

# Personal Systems Reference IBM ThinkPad Notebooks 1992 to 2001 - withdrawn

January 2001 - Version 214



### IBM ThinkPad® 240 - withdrawn

| IBM® ThinkPad®  |  |   |   |
|---|--|---|---|
| Processor<br>Processor features<br>L2 cache<br>Diskette drive<br>CD-ROM<br>DVD-ROM                        | No upgrade / processor of 128KB / onboard (full sp External 3.5" 1.44MB / co Option: External CD-ROM   | 100, 366, or 400MHz <sup>1</sup> /66MHz system bus<br>in Ball Grid Array (H-PBGA)<br>eed) / synchronous pipelined burst / ECC /<br>incompart / included<br>M / via Portable Drive Bay and 24X-10X <sup>5</sup> CD<br>M / via Portable Drive Bay and DVD-ROM U   | case and cable<br>ROM UltraslimBay Drive  |
| Type-model<br>Processor<br>Disk - size / ms<br>Preload (see side)   | \$\inp 2609-21U Celeron 300MHz 6.4GB <sup>4</sup> / 13ms read / Ultra Windows 98 <sup>7</sup> 9 June 1999 / February 2000  | S< 2609-31U Celeron 366MHz a DMA/33 or PIO Mode 4 Windows 987 SE  | S< 2609-41U Celeron 400MHz 12.0GB / 12ms read / ATA-66 or PIO4 Windows 987 SE   |
| Display - size and type<br>Display - technology   |  | m) <b>/ Active Matrix</b><br>efresh (typical) / 50 to 110 nits<br>s colors / 250 to 1 contrast (typical)  |   |
| Graphics - controller Graphics - features   | 2MB / SGRAM (embedde   | <b>128XD™</b> (NM2160C) / 128-bit accelerator / d) / color space conversion RT <sup>26</sup> / 180 degree tilt / no multiple-monitor su   | DDC2B / pport / ext SVGA to 1024x768 with 65,536 colors   |
| Memory - std / max<br>Memory - features   | <b>64MB</b> / 192MB <sup>33</sup><br>SDRAM / non-parity / 66M<br>1 available socket for JED  | -   | ed to WINDOWS OF PRELOADIR  |
| Disk controller / disk<br>Keyboard  | disk for upgrade (by remov   | one internal disk / customer can remove ing three screws on base) size of current standard ThinkPad keyboard  | Online User's Guide   |
| Pointing  | TrackPoint® / Press-to-Selsensitivity / spare caps   | ect / Release-to-Select / dragging / click pac  | ThinkPad Configuration Program     ThinkPad Utilities     ThinkPad on the Net   |
| Dimensions<br>Weight <sup>2</sup><br>Case material  | Approximately 2.98 lbs (1.   | ic inches) / 260mm x 202mm x 26.6mm<br>35 kg) with battery and disk<br>n™ casing / Top: carbon-fiber reinforced plas<br>ced plastic   | Access ThinkPad     IBM Update Connector     RingCentral Fax     IBM Registration   |
| Battery - type<br>Battery - life <sup>10</sup><br>Charge time <sup>10</sup>                               | Li-lon (3 cell) / intelligent / 21U: 1.9 hrs 31U: 1.8 hrs Optional 6 cell battery 3.8 3.5 hrs on / 3.0 hrs off   | left side<br>s 41U: 1.7 hrs<br>hrs (21U) or 3.6 hrs (31U) or 3.4 hrs (41U)  | IBM Global Network Dialer     Netscape Communicator     PC-Doctor     ConfigSafe®   |
| Architecture  Docking station Port replicator PC Card Std slots USB / serial / parallel Other features    | Texas Instruments® TI121:<br>PCI 2.1/32-bit / 33MHz (EISA (diskette, serial, parall<br>None<br>None (all standard ports a<br>1 Type I or 1 Type II / Card<br>One USB / one 9 pin; 1658     | ,   | R, I/O)   |
| Video (TV) out MPEG decoder Data/fax modem Audio Speaker Audio features Audio in/out jacks Infrared ports | None None (software support for 56K³7 V.90 / integrated in Lucent 1646 / not voice-c 16-bit SoundBlaster Pro™ One internal speaker (.5 v Internal microphone / Fn+Microphone jack (mono) / | or MPEG-1 in Windows 98) system / Mini PCI Type IIIb / apable support / ESS 1946 / PCI / full duplex  |   |
| Security Limited warranty <sup>11</sup>   | Power-on password / setu   | p password / disk password / security keyhord EasyServ <sup>TM31</sup> (door-to-door depot repair   |   |
| Service options <sup>15</sup>   | On-site <sup>32</sup> , M-F, 8-5, next b   | us day (72 cities) / serv up to 5 yrs from purch  | ase daté  |
| 640x480 16M 1<br>800x600 16M 1<br>1024x768* 64K 6   | f 2GB<br>If remaining space<br>startup brings up IBM   | - 64MB SO DIMM 3.3v NP SDRAM - 128MB SO DIMM 3.3v NP SDRAM 0 - 12GB disk, 12ms read, ATA-66 - High-capacity 6-cell Li-lon Battery - Ultraslim 56 watt AC Adapter (3-prong) - V.90 PC Card Modem with XJACK <sup>24</sup> - V.90 56K PC Card Modem with Cellular Capability <sup>24</sup> - 10/100 Ethernet CardBus PC Card - 10/100 EtherJet plus 56K modem <sup>37</sup> - Turbo 16/4 Token-Ring PC Card II 3 Smart Card Security Kit - IBM Portable Drive Bay (UltraslimBay) 3 - Zip 100MB UltraslimBay Drive 3 SuperDisk LS-120 UltraslimBay Drive - 24X-10X CD-ROM UltraslimBay Drive 0 - 24X-10X CD-ROM UltraslimBay Drive | 7L1507   24 hour / 7 day <sup>30</sup> telephone, bulletin<br>DL1929   board, fax, electronic, and Internet<br>5K8890   (www.ibm.com/pc/us) support |

| IBM <sup>®</sup> ThinkPad <sup>®</sup>   |   |  |   |   |   |  |
|--|---|--|---|---|---|--|
| Processor<br>L2 cache<br>Diskette drive<br>CD-ROM<br>LS-120 and CD-RW                                | Celeron: 128KB / onboard<br>External 3.5" 1.44MB / cor<br>Option: External via USB  | 50MHz¹ or Intel Mobile Pentium <sup>o</sup> (at processor speed); Pentium nects to left side with FDD port / port or via Portable Drive Bay 200 ble Drive Bay 2000 and drive option  | n <i>III:</i> <b>256KB</b> / onbo<br>includes case and<br>00 and 24X-10X <sup>5</sup> C     | ard (at prod<br>d cable<br>:D-ROM Ulti  | cessor speed)<br>rabay 2000 Drive   |  |
| Type-model<br>Processor<br>Disk - size / ms<br>Preload (see side)<br>Available date                  | 2609-51U<br>Celeron 450MHz<br>6.0GB <sup>4</sup> / 13ms read / Ultra<br>Windows 98 <sup>7</sup> SE<br>June 2000                     | Windows 2000<br>June 2000  | 2609-61U<br>Pentium III 500M<br>12.0GB / 12ms re<br>Windows 98 <sup>7</sup> SE<br>June 2000 | Hz  <br>ad / ATA-66   | <b>2609-62U Pentium III 500MHz</b> 6 or PIO4 <b>Windows 2000</b> June 2000                                    |  |
| Display - size and typ<br>Display - technology   | e <b>10.4" TFT color</b> (264.16mn<br><b>SVGA</b> / 800x600 / 15ms re<br>16.7 million simultaneous o                                | n) / Active Matrix<br>fresh (typical) / 50 to 110 nits<br>colors / 150 to 1 contrast (typical)   |   |   |   |  |
| Graphics - controller Graphics - features  |   | + SM712G™ / DDC2B /<br>I) / color space conversion / multi<br>T <sup>26</sup> / 180 degree tilt / external SV0   |   |   |   |  |
| Memory - std / max<br>Memory - features  | <b>64MB</b> / 192MB <sup>33</sup><br>SDRAM / non-parity / <b>100M</b><br>1 available socket for JED                                 | -  | ory soldered to   |   |   |  |
| Disk controller / disk<br>Keyboard   | EIDE / PCI 2.1 / supports disk for upgrade (by removing   | one internal disk / customer can re  | emove   | - Microsof<br>Edition   | NDOWS 98 PRELOAD <sup>16</sup> t® Windows® 98 Second lser's Guide   |  |
| Pointing   | <u> </u>  | ect / Release-to-Select / dragging   | / click pace /  | <ul><li>ThinkPac</li><li>ThinkPac</li><li>Access</li></ul>  |   |  |
| Dimensions<br>Weight <sup>2</sup><br>Case material   | 10.2 x 8.0 x 1.05" (86 cubi 51U/52U: approximately 2 61U/62U: approximately 3 IBM ThinkPad UltraCarbon Bottom: glass-fiber reinford | late Connector<br>or<br>afe®<br>.ntiVirus™ (OEM Version)<br>I Manageability Services (web)   |   |   |   |  |
| Battery - type<br>Battery - life <sup>10</sup>   | 51U/52U: Li-Ion (3 cell); 6   | 1U/62U: Li-Ion (6 cell); All: intelli  | gent / left side  | ♦ Lotus® S ♦ Recovery   | e Selections CD<br>martSuite® Millennium CD<br>y CD-ROM (Windows 98)<br>y CD-ROM (Windows 95) <sup>7</sup>    |  |
| Charge time <sup>10</sup> Architecture   | 3.5 hrs on / 3.0 hrs off<br>Intel 440MX PCIset (8244)   | BMX) / combines Host Bridge and  |   | √ Recovery  | y CD-ROW (Willdows 95)  |  |
| Docking station<br>Port replicator<br>PC Card Std slots<br>USB / serial / parallel<br>Other features | PCI 2.1 / 32-bit / 33MHz (EISA (diskette, serial, parall<br>None<br>None (all standard ports al<br>1 Type I or 1 Type II / Cardl    | ,  | udio, modem) ned Video support  | • WINDOWS 2000 PRELOAD¹6  - Windows 2000® Professional  • ThinkPad Utilities  • Online User's Guide  • ThinkPad Configuration Program  • PC-Doctor  • ConfigSafe  • Norton AntiVirus™ (OEM Version) |   |  |
| Video (TV) out<br>Data/fax modem<br>Audio<br>Speaker   | None<br><b>56K</b> <sup>37</sup> V.90 / Mini PCI Type<br>16-bit SoundBlaster Pro™<br>AC97 codec<br>One internal speaker (.5 w       | support / CS4281 PCI audio / CS  | S4297A  | <ul> <li>IBM Upd</li> <li>Universa</li> <li>Software</li> <li>Lotus® S</li> </ul>   | late Connector I Manageability Services (web) Selections CD ImartSuite® Millennium CD y CD-ROM (Windows 2000) |  |
| Audio features<br>Audio in/out jacks<br>Infrared ports   | Microphone jack (mono) /  | nsért and Fn+Delete volume con<br>headphone jack (stereo) / line-in<br>' IrDA 1.1 compatible / up to 4Mb   | jack (stereo)   | ♦ Recovery  | y CD-ROM (Windows NT) <sup>40</sup>   |  |
| Security   |   | password / disk password / secu  |   |   |   |  |
| Limited warranty <sup>11</sup><br>Service options <sup>15</sup>                                      | Service upgrades available  | ad EasyServ <sup>™31</sup> (door-to-door dep<br>based on specific ThinkPad purd  | chased  |   |   |  |
| Color depth LCD  | External Monitor  | OPTIONS  |   |   | FEATURES  |  |
| 640x480 16M 1<br>800x600 16M 1<br>1024x768* 64K 6<br>1280x1024                                       | 60Hz 70Hz 75Hz 85Hz<br>6M 16M 16M<br>6M 16M 16M<br>64K 64K 64K<br>  | <ul> <li>- 32MB SO DIMM 100MHz NP S</li> <li>- 64MB SO DIMM 100MHz NP S</li> <li>- 128M SO DIMM 100MHz NP S</li> <li>- 12GB disk, 12ms read, ATA-66</li> <li>- High capacity 6-cell Li-lon Batt</li> <li>- Ultraslim 72 watt AC Adapter</li> </ul> | SDRAM 20L0254<br>SDRAM 20L0255<br>S 05K9245<br>ery 02K6580<br>02K6699                       | warranty<br>Personaliz<br>Wired for N<br>DMI 2.0-co<br>PC 99-com  | ed web-based support<br>Management 1.1a compliant<br>Impliant<br>Inpliant                                     |  |
| * Virtual screen mod   | e on 10.4" LCD  | <ul><li>DC Auto Adapter</li><li>V.90 56K Intern Modem with G</li></ul>   | 02K3381   | ACPI read   | y (APM enabled)<br>de, User's Reference, Windows  |  |
| All models: - C: drive is FAT16 of - D: drive is FAT32 o   |   | - V.90 Sok intern with G<br>- 10/100 EtherJet™ CardBus Ad<br>- IBM 16/4 Token-Ring CardBus<br>- Smart Card Security Kit<br>- IBM Portable Drive Bay 2000   | apter 34L5301   | OS manu<br>System Sta<br>Reset swite<br>Plug and F  | ual, and Quick Reference Card<br>atus Indicators<br>ch on bottom<br>Play 1.0a                                 |  |
| Pressing F1 during s<br>BIOS Setup Utility<br>Disks are S.M.A.R.T.                                   | startup brings up IBM   | <ul> <li>- IBM MultiPort USB Hub</li> <li>- IBM 340MB microdrive</li> <li>- IBM USB Portable CD-ROM DI</li> <li>- IBM USB Mobile Mouse</li> </ul>  | 00N8215<br>00N8073<br>rive 33L5151<br>33L3243   | Standby, s<br>hibernation<br>ENERGY S<br>Internation  | suspend, redisafe, and<br>on modes<br>STAR compliant<br>al Warranty Service <sup>14</sup>                     |  |
| - ThinkPad Proven™<br>www.ibm.com/pc/u   | solutions <sup>12</sup> (visit  | - IBM USB Numeric Keypad   | 33L3225   | electronic  | mXtra <sup>®, 39</sup><br>7 day <sup>30</sup> telephone, fax,<br>c, and Internet<br>n.com/pc/us) support      |  |
|  |   |  |   |   |   |  |

#### III ThinkPad 300, 500, 700, 700C - withdrawn

| IBM® ThinkPad®:   | <b>≈ 300</b>   | <b>≈ 500</b>  | <b>×700</b>   | × 700C  |
|---|--|---|---|---|
|   | monochrome   | sub-notebook  | monochrome  | color TFT   |
| Processor type<br>Processor speed<br>Memory cache<br>Coprocessor socket<br>Diskette drive   | 80386 SL<br>25 MHz<br>64 KB external<br>Yes (for 387 SL)<br>3.5" 1.44 MB                   | 80486 SLC2<br>50/25 MHz<br>16 KB internal<br>No<br>External 3.5" 1.44 MB  | 80486 SLC   | 80486 SLC <b>25 MHz</b> 16 KB internal Yes (for 387 SL) 3.5" 1.44 MB  |
| Price (retail USD) Type - model Hard drive - size Hard drive - speed Available date Withdrawal date   | \$ 1,999<br>2615-065<br><b>80 MB</b>   | \$1,999<br>2603-081<br>85 MB<br>15 ms<br>June 93<br>Dec 93<br>\$2,499<br>2603-171<br>170 MB<br>15 ms<br>June 93<br>Aug 93<br>Dec 93 | \$ 2,750<br>9552-300<br><b>82 MB 122 MB 17 ms O</b><br>Oct 92<br>Oct 93  Oct 93   | \$ 4,350<br>9552-30B<br><b>120 MB</b> 17 ms O<br>Oct 92<br>Oct 93   |
| Display - type Display - grey scales Display - techology Display - light source Display - size (diag) Display - contrast ratio 180 degree display tilt                    | VGA mono 64 grey scales STN LCD - Side-lit 9.5 inch 13 to 1 Yes                            | VGA mono<br>64 grey scales<br>STN<br>LCD - backlit<br>7.4 inch<br>18 to 1<br>Yes (external SVGA)                                    | VGA mono 64 grey scales STN LCD - backlit 9.5 inch 18 to 1 Yes  | VGA color<br>256 colors 640x480<br>Thin film transistor<br>Active matrix<br>10.4 inch<br>100 to 1<br>Yes          |
| Memory - std / max<br>Mem - sockets empty<br>SIMM/ICs available   | 4 / 12 MB 80 ns<br>2 sockets (parity)<br>2, 8 MB SIMMs                                     | 4 / 12 MB 80 ns<br>1 socket (non-parity)<br>4, 8 MB ICs (3.3 volt)  | 4 / 16 MB 80 ns<br>2 sockets (parity)<br>2, 4, 8 MB ICs   | 4 / 16 MB 80 ns<br>2 sockets (parity)<br>2, 4, 8 MB ICs   |
| Keyboard / # of keys<br>Fn key functions<br>Keyboard slope<br>Mouse/pointing<br>Ext keyboard support  | Full size alp/num/ 82<br>Yes (back panel)<br>Miniature (option)<br>Yes<br>12 (in any appl) | 90% size alp/num/ 81<br>11 (in any appl)<br>No<br><b>TrackPoint II™</b><br>No   | Full size alp/num/ 84 None 8 degrees (legs) TrackPoint II Yes (with opt cable)  | Full size alp/num/84<br>None<br>8 degrees (legs)<br><b>TrackPoint II</b><br>Yes (with opt cable)                  |
| Dimensions Cubic inches Carrying case Color Weight (with battery)   | 12.1 x 8.5 x 1.7"<br>175 inches<br>Blk nylon (option)<br>Charcoal grey<br>5.9 pounds       | 10.1 x 7.2 x 1.6"<br>116 inches<br>Blk nylon (option)<br>Black<br>3.8 pounds  | 11.7 x 8.3 x 1.9"<br>185 inches<br>Blk nylon (option)<br>Black<br>6.5 pounds  | 11.7 x 8.3 x 2.2"<br>214 inches<br>Blk nylon (option)<br>Black<br>7.6 pounds                                      |
| Battery - type Batt - life (per battery) Charge time - on / off Battery - options   | Nickel hydride<br>3 to 10 hours<br>10 hrs / 2 hrs<br>None                                  | Sealed lead acid<br>3 to 9 hours<br>2.5 hrs / 1.2 hrs<br>Nickel hydrid (\$49)   | Nickel hydride<br>3.8 to 7.5 hours<br>3 hrs / 2 hrs<br>Yes - status indicator   | Nickel hydride<br>2 to 4 hours<br>1.5 hrs / 1.4 hrs<br>Yes - status indicator                                     |
| Architecture External AT/MCA port Comm Crtrdge (1 card) Docking Station Port replicator Modem/serial slot PCMCIA 2.01 slots Visible LEDs - closed Serial / parallel ports | AT bus No No (fast parallel) No Yes None Modem only Yes - batt charge Yes / Yes (EPP)      | AT bus No No No No No Type I or 1 Type II Yes Yes (cable) / Yes (EPP)   | Micro Channel®<br>Yes<br>Yes (black)<br>Yes (3550-002) blk<br>Yes (black)<br>Yes<br>None<br>Yes<br>Yes / Yes (DMA)                            | Micro Channel<br>Yes<br>Yes (black)<br>Yes (3550-002) blk<br>Yes (black)<br>Yes<br>None<br>Yes<br>Yes / Yes (DMA) |
| APM-aware BIOS<br>Other features<br>Preinstalled software<br>Warranty   | APM-aware BIOS Hrdw security loop None 1 year - carry in or EasyServ (opt onsite)          | APM-aware BIOS Hibernation mode DOS 5.02, PRODIGY® 1 year - carry in or EasyServ (opt onsite)                                       | APM-aware BIOS<br>Hrdw security loop<br>DOS 5.02, PRODIGY<br>3 year - carry in or<br>EasyServ (opt onsite)<br>with 360, 750, 755. The 700/720 | APM-aware BIOS Hrdw security loop DOS 5.02, PRODIGY 3 year - carry in or EasyServ (opt onsite)                    |

The 700/720 family hard disks, batteries, and docking station are NOT compatible with 360, 750, 755. The 700/720 memory IS compatible with 360, 750, 755.

#### **FEATURES OF 500**

Most powerful sub-notebook with 486SLC2 Lightweight 3.8 pounds

Hibernation mode saves memory to the hard drive and shuts system off External VGA is SVGA (to 800 x 600) Std external floppy (9 oz) plugs into back Personalized nameplate in molded indentation

Coupon book with \$4,000 in savings Self charging battery with integrated wall plug and no memory effect (081, 171)

ThinkPad 500 models 081 and 171 withdrawn due to problems with the sealed lead acid battery and replaced by models 08N and 17N with a nickel hydride battery

#### **FEATURES OF 300**

Upgradeable to TFT active color; 8.4"
Ethernet on planar for 10baseT,10base2
Upgradeable to 120 MB (80 MB version)
External VGA is SVGA (to 1024 x 768)
2 level password security
Hot key setup in any application
Standby mode and rest mode
Rest mode lasts up to 2 weeks

#### FEATURES OF 700/700C and 720/720C

3 year international warranty 700/720 mono upgradeable to TFT color 700/700C upgradeable to 486SLC2 50/25 Upgradeable to 120, 160, 240, or 340 MB Removable hard disk Pressure activated TrackPoint II

Optional battery w/ power status indicators Quick Charger holds 2 batt; discharge button Coupon book with \$4,000 in savings

#### **FEATURES OF ALL PRODUCTS**

Suspend/resume mode; battery life indicator Non-disruptive battery exchange Simultaneous LCD and external CRT US EPA Energy Star compliant International warranty IBM or dealer warranty/service 30 day money back guarantee 24 hour / 7 day fax support 24 hour / 7 day bulletin board support 24 hour / 7 day telephone support at 1-800-772-2227

### THE ThinkPad 310 (EMEA) - withdrawn

| IBM <sup>®</sup> ThinkPad <sup>®</sup> :   | <b>×</b> 310   | <b>×</b> 310   | × 310D   |  |  |  |
|--|--|--|--|--|--|--|
|  | 11.3" Dual Scan SVGA col   |  |  | SVGA color / 10 x CD-ROM   |  |  |
| Processor type Processor upgrade L2 cache External FDD port Diskette drive CD-ROM drive Code name  | None 256 KB / write-back / direction   | 54CSLM) / 64 bit to transfers to L2<br>et mapped / 7 ns / sychronous pipe<br>with standard external diskette on<br>eft side)<br> None (upgrade available)<br> LaCrosse   | elined burst<br>CD-ROM-based m<br>External 3.5" 1.44 | y<br>nodel; or use if upgrade to CD-ROM)<br>· MB (connect to rear)<br>notable(left side) / CAV   |  |  |
| Disk - size / ms<br>Disk controller  |  | 1 / supports one internal disk   | 2600-200   |  |  |  |
| . ,  | 11.3" Dual Scan SVGA cold  |  | 11.3" Dual Scan S                                    |  |  |  |
| Display - techology  | 11.3" SVGA color / 640x4   | 80 or 800x600<br>Dual Scan / 30 to 1 contrast ratio  |  | / 640x480 or 800x600 / 65,536 sim colors active matrix / 100 to 1 contrast ratio   |  |  |
| Graphics - controller<br>Graph - arch/data path<br>Gaphics - features<br>Graphics - external<br>Memory - std / max   | C&T™ 65550 HiQV32™ / 64 PCI 2.1 / interpolation / colo<br>Simultaneous LCD and CR<br>External SVGA to 1024x76    | 4 bit SVGA accelerator / 1 MB EDC<br>or space conversion<br>RT / 180 degree tilt / Zoomed Video  | DRAM / 70 ns   | WINDOWS 95 PRELOAD  - Microsoft Windows 95 OSR2 (FAT16)  |  |  |
| Memory - features<br>Memory - upgrade  | 60 ns / non-parity / 3.3 volt<br>1 socket available for two  | / EDO / memory installed from bot<br>JEDEC 144 pin EDO SO-DIMM o   | ttom of system                                       | Notebook Manager     PhoenixCard Manager     (no diskette factory)   |  |  |
| Keyboard / # of keys<br>Keyboard slope<br>Pointing device<br>Palm rest   | TrackPoint III™ / no drag lo   | remains flat (no sloop) / no liftup k  |  | 1. IBM Anti-Virus     2. IntelliQuest Registration Mailer     3. ThinkPad Customization Icon     - Lotus SmartSuite CD-ROM   |  |  |
| Dimensions<br>Weight   | 11.7 x 8.9 x 1.9" (198 cubi<br>6.6 pounds (3.0 kg)   | 6.6 pounds (3.0 kg)  | 7.0 lbs (3.2 kg)                                     | Recovery CD-ROM with boot diskett     Windows 95 CD-ROM (no installation)  |  |  |
| Battery - type<br>Battery - life<br>Charge time - on / off   | 2.5 hours<br>3.5 to 10 hrs / 2.8 hrs / no n  | tery unique to 310 / insert from righton-disruptive battery exchange   |  |  |  |  |
| Architecture  Docking Station Port replicator  | PCI 2.1 / 32-bit / 33MHz (E<br>NS PC87336VJG (diskette<br>None<br>None   | e, seriál, parallel) / TI PCI1131 Ca   | rdBus (PCI)  |  |  |  |
| PCMCIA™ slots  Serial / parallel ports  Other features   | CardBus 32-bit PCI / Zoor<br>One 9 pin; 16550A / one (IE<br>Universal AC Adapter 3 pro<br>APM-aware BIOS / APM 1 | pe III / PCMCIA 2.1 compatible / Poned Video support in lower slot<br>EEE P1284-A, EPP, ECP, bidirectiong (45 watts) with barrel connectors.<br>2 / Selectable boot / Acer BIOS  | ional)<br>or (slim) /                                |  |  |  |
| Video in/out<br>MPEG decoder<br>Data/fax modem<br>Audio support  | Internal stereo speakers / .   | ee MIDI FM synthesis / Yamaha Y<br>5 watt / Fn key volume control  |  |  |  |  |
| Audio jacks<br>Telephone<br>Infrared ports   | None None  | output jack (3.5 mm) / stereo mic ja   | аск (3.5 mm)   |  |  |  |
| Security   | Diskette and disk write prof   | o password (for Notebook Manage<br>tect and disable /<br>back (Kensington™ cable lock)   | er and BIOS Utility)/                                | Disk is not removable, but it can be upgraded via a dealer or service center   |  |  |
| Preinstalled software<br>Warranty  | Windows 95 with application 1 year - carry-in  | ons (listed on right)  |  | (not customer installable).  System does not have non-disruptive   |  |  |
| BIOS Utility is entered by holding F2 while the ThinkPad logo is displayed after power on.  Fn +F1 = Hot key help Fn +F2 = Brightness/contrast Fn + arrows = Adjust brightness/contrast Fn +F3 = LCD/CRT/Simultaneous Fn +F4 = Fuel gauge Fn +F5 = Audio volume Fn + arrows = Adjust volume Fn + F6 = Power mgmt and system info Fn +F7 = Standby Fn +F8 = Hibernation Fn + Esc = Close Hot key icon |  | mpatible in ThinkPad 310 family:  2.1GB HDD 13/14 ms (user upgradeable)  NiMH Battery  AC Adapter, 3 prong w/o power cord  AC Adapter, 3 prong with US power cord  11J8699  11J8635  11J8635  11J8635  11J8637  10 x CD-ROM w/ external FDD/cable  dealer installable only)  PCMCIA 28.8Kbps International  2.1GH MS (user upgradeable)  11J8639  11J8635  11J8637  11J8676  42H4319 |  | báttery exchange. Battery can be changed while system is off, in hibernation, or under AC power.  FEATURES OF 310 MODELS  Plug and Play 1.0a Standby and hibernation modes Color LED indicator US EPA Energy Star compliant Personalized nameplate indention |  |  |
|  |  |  |  |  |  |  |

### ThinkPad® 310E and 310ED (EMEA) - withdrawn

| Ponchum MMX *13366MHz   Pentium MMX *1336MHz   Pentium MMX *13366MHz   Pentium          | IBM <sup>®</sup> ThinkPad <sup>®</sup> : | 310E<br>12.1" Dual Scan SVGA color     | 310E<br>11.3" TFT SVGA color                  | 310ED                                   | SVGA color / 10X CD-ROM                      |  |  |  |
|---|--|--|---|---|--|--|--|--|
| None Consost originate consost          | Processor type                           |  |   |   |  |  |  |  |
| Document of the property of th          | Processor upgrade                        |  |   | p childrin willix is                    | 55/00MH12                                    |  |  |  |
| eternal FDD port (works with standard external diskette on CD-ROM-based model, or use if upgrade to CD-ROM) (setter drive internal 3.5 1.44MB (c) net if the controller internal 3.5 1.44MB (c) net if the con          | Processor features                       | MMX technology / P55CLM /              | 64-bit to transfers to L2 cache a             | and memory                              |  |  |  |  |
| Internal 3.5° 1.44MB (con left side) None (upgrade available)  2600-800  21.1° SVGA color / 640 x 480 or 800 x 600 x 6          | L2 cache                                 | 256KB / write-back / direct m          | apped / 7ns / sychronous pipeli               | ned burst                               | and all annuals (Company day to OD DOM)      |  |  |  |
| D-ROM drive doen name LaCrosses-2 LaCrosse          |  |  |   |   |  |  |  |  |
| dename LaCrosses-2  LaCrosses-2  LaCrosses-2  LaCrosses-2  LaCrosses-2  Jeppe - model elegical (see side)  Jeppe - model elegical (see side)  Jeppe - model elegical (see side)  Windows 95 OSR2  Jeppe - model elegical (see side)  Splay - size and type 12.1* "Dual Scan SVGA color   11.3* TFT SVGA color   12.1* Dual Scan SVGA color   12.1* Dual Scan SVGA color   12.1* Dual Scan SVGA color   12.1* SVGA          |  |  | side)   |   |  |  |  |  |
| 2600-600   2600-500             | Code name                                |  |   |   | ootable (left side) / O/tv                   |  |  |  |
| price model (alega edical (see side) (alega ed          | Price                                    |  |   |   |  |  |  |  |
| island (see side) island / withdrawn date isk - sizz of ms sk - sizz of ms spally - sizz of ms spally - sizz on ms spally           |  | 2600-400                               | 2600-600                                      | 2600-500                                |  |  |  |  |
| 1.686 */13mr sead; 14ms read; 14ms write / PIO Mode 4 / SMART EIDE / Lownsater / PCI2 1.7 supports one internal disk scontroller spilay - techology   | Preload (see side)                       | Windows 95 OSR2                        |   |   |  |  |  |  |
| sisk controller sipplay - feechology sipplay - feed sipplay - feechology sipplay sipplay - feechology sipplay sipplay - feechology sipplay si          |  |  |   |   |  |  |  |  |
| splay - sterohology splay - technology splay - tech          |  | 1.6GB <sup>4</sup> / 13ms read; 14ms w | rite / PIO Mode 4 / SMAR I                    |   |  |  |  |  |
| Spalay - techology   2.1 * SVGA color / 640 x 480 or 800 x 600   256 simultaneous colors / Dual Scan / 300 to 1 contrast ratio   2.56 simultaneous colors / Dual Scan / 300 to 1 contrast ratio   3.60 x 1.00 x 1             |  |  |   | 1                                       |  |  |  |  |
| 256 simultaneous colors / Dual Scan / 30 to 1 contrast ratio   Black Matrix TFT - active matrix / 100 to 1 contrast ratio raph-is - features may have active and the property of the property           | Display - size and type                  |  |   |   |  |  |  |  |
| raph- a-rich/data path PcI 2.1 / Interpolation / color space conversion   Simultaneous LCD and CRT / 180 degree titl / Zoomed Video support   External SVGA to 1024x/68 with 256 colors   Simultaneous LCD and CRT / 180 degree titl / Zoomed Video support   External SVGA to 1024x/68 with 256 colors   Simultaneous LCD and CRT / 180 degree titl / Zoomed Video support   Simultaneous LCD and CRT / 180 degree titl / Zoomed Video support   Simultaneous LCD and CRT / 180 degree titl / Zoomed Video support   Simultaneous LCD and CRT / 180 degree titl / Zoomed Video support   Simultaneous LCD and CRT / 180 degree titl / Zoomed Video support   Simultaneous LCD and CRT / 180 degree titl / Zoomed Video support   Simultaneous LCD and CRT / 180 degree titl / Zoomed Video support   Simultaneous LCD and CRT / 180 degree titl / Zoomed Video support   Simultaneous LCD and CRT / 180 degree titl / Zoomed Video support   Simultaneous LCD and CRT / 180 degree titl / Zoomed Video support   Simultaneous LCD and CRT / 180 degree titl / Zoomed Video support   Simultaneous LCD and CRT / 180 degree titl / 200 menory installed in one of two sockets   Simultaneous LCD and CRT / 180 degree titl / 200 menory installed in one of two sockets   Simultaneous LCD and CRT / 180 degree titl / 200 menory installed in one of two sockets   Simultaneous LCD and CRT / 180 degree titl / 200 menory installed in one of two sockets   Simultaneous LCD and CRT / 180 degree titl / 200 menory installed in one of two sockets   Simultaneous LCD and CRT / 180 degree titl / 200 menory installed in one of two sockets   Simultaneous LCD and CRT / 180 degree titl / 200 menory installed in one of two sockets   Simultaneous LCD and CRT / 180 degree titl / 200 menory installed in one of two sockets   Simultaneous LCD and CRT / 180 degree trans   180 de          | Display - techology                      |  |   |   |  |  |  |  |
| spinise - features registries registries registries registers regi          | Graphics - controller                    |  |   | DRAM/70ns                               |  |  |  |  |
| risphics - external  External SVGA to 1024x768 with 256 colors  emory - 15d May 16MB / one 16MB SO-DIMM is installed in one of two sockets emory - tip returns a control of the second o          |  |  |   |   |  |  |  |  |
| emory - staf / max emory - upgrade semory -          |  |  |   | support                                 |  |  |  |  |
| emory - grade syboard /# of keys expboard stage in the syboard of # of keys expboard of # of keys exploard of # of keys exploard of # of keys exploard emains fill at (no sloop) / no liftup keyboard of # of keys exploared palm rest / keyboard support (no optional cable)  Irace palm rest / keybo          |  |  |   |   |  |  |  |  |
| emory - upgrade  spokpoard # of keys Full size alphnum # 08 sex bys (9 Fn key functions)  spokpoard # of keys Full size alphnum # 08 sex ys (9 Fn key functions)  large palm rest / keyboard remains flat (no sloop) / no liftup keyboard  mensions the fine fine form fill / no are fall for some fill in the fill of the fil          |  |  |   |   | WINDOWS 95 PRELOAD <sup>16</sup>             |  |  |  |
| Full size alp/num / 85 keys (9 Fn key functions) alrage palm resix / seyboard remains flat (no stoop) / no liftup keyboard alrage palm resix / seyboard remains flat (no stoop) / no liftup keyboard alrage palm resix / seyboard remains flat (no stoop) / no liftup keyboard alrage palm resix / seyboard remains flat (no stoop) / no liftup keyboard alrage palm resix / setternal keyboard support (no optional cable) the setting resided palm resix / setternal keyboard support (no optional cable) 11.7 x 8.9 x 2.0° (208 cubic inches) / 298 mm x 227 mm x 49 mm 4.0 mm x 49 mm 4.0 hours 3.0 hours 3.5 to 10 fns / 2.0 fns / no no-disruptive battery exchange briatery - tipe Chitecture Chitecture Chicklam slots Chicklam slots CardBus 32-bit PCI / Zoomed Video support in lower slot One 9 pin; 16550A / none (IEEE P1284-A, EPP.ECP, bidirectional) Universal AC Adapter 3 prong (45 watts) with barrel connector (slim) / APM-aware BIOS / APM 1.2 / Selectable boot / Acer ® BIOS  Wone One One 9 pin; 16550A / none (IEEE P1284-A, EPP.ECP, bidirectional) Universal AC Adapter 3 prong (45 watts) with barrel connector (slim) / APM-aware BIOS / APM 1.2 / Selectable boot / Acer ® BIOS  Wone One One One One One One One One One O   |  |  |   |   | - Microsoft Windows 95 OSR2 (FAT16)          |  |  |  |
| pyboard slope ointing device aim rest integrated palm rest / keyboard cremains flat (no sloop) / no liftup keyboard support (no optional cable) integrated palm rest / keyternal keyboard support (no optional cable) integrated palm rest / keyternal keyboard support (no optional cable) integrated palm rest / keyternal keyboard support (no optional cable) integrated palm rest / keyternal keyboard support (no optional cable) integrated palm rest / keyternal keyboard support (no optional cable) integrated palm rest / keyternal keyboard support (no optional cable) integrated palm rest / keyternal keyboard support (no optional cable) integrated palm rest / keyternal keyboard support (no optional cable) integrated palm rest / keyternal keyboard support (no optional cable) integrated palm rest / keyternal keyboard support (no optional cable) integrated palm rest / keyternal keyboard support (no optional cable) integrated palm rest / keyternal keyboard support (no optional cable) integrated palm rest / keyternal keyboard support (no optional cable) integrated palm rest / keyternal keyboard support (no optional cable) integrated palm rest / keyternal keyboard support (no optional cable) integrated palm rest / keyternal keyboard support (no optional cable) integrated palm rest / keyternal keyboard support (no optional cable) integrated palm rest / keyternal keyboard support (no optional cable) integrated palm rest / keyternal keyboard support (no optional cable) integrated palm rest / keyternal rest / keyte          |  |  | ·   | 5, 15, 01 JZIVID                        | - Notebook Manager                           |  |  |  |
| initing device aim rest integrated palm rest / external keyboard support (no optional cable) integrated palm rest / external keyboard support (no optional cable) integrated palm rest / external keyboard support (no optional cable) integrated palm rest / external keyboard support (no optional cable) integrated palm rest / external keyboard support (no optional cable) integrated palm rest / external keyboard support (no optional cable) integrated palm rest / external keyboard support (no optional cable) integrated palm rest / external keyboard support (no optional cable) integrated palm rest / external keyboard support (no optional cable) integrated palm rest / external keyboard support in committed palms of the power of the           |  |  |   | evboard                                 |  |  |  |  |
| latin rest   Integrated palm rest / external keyboard support (no optional cable)   22 mm x 49 mm   | Pointing device                          |  |   | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |  |  |  |  |
| Intensions   11.7 x 8.9 x 2.0" (208 cubic inches) / 298 mm x 227 mm x 49 mm   6.6 pounds (3.0 kg)   6.6 pounds (3.0 kg)   6.6 pounds (3.0 kg)   6.6 pounds (3.0 kg)   3.0 hours   3.0 ho            | Palm rest                                |  |   | able)                                   |  |  |  |  |
| Feight   6.6 pounds (3.0 kg)   6.6 pounds (3.0 kg)   7.1 lbs (3.2 kg)   3.0 hours   3.0             | Dimensions                               | 11.7 x 8.9 x 2.0" (208 cubic ir        | nches) / 298 mm x 227 mm x 49                 | mm                                      |  |  |  |  |
| marge time - on / off MiMH / non-intelligent / battery unique to 310 / insert from right side with the control of the cut of the cu           | Weight <sup>2</sup>                      | 6.6 pounds (3.0 kg)                    | 6.6 pounds (3.0 kg)                           | 7.1 lbs (3.2 kg)                        |  |  |  |  |
| attery - type NiMH / non-intelligent / battery unique to 310 / insert from right side richitecture ISA (audio, diskette, serial, parallel) / L1® Aladdin III M1521/M1523 chipset PCI2.1/32-bit/33M12/EIDE, graphics, PCMCIA\ NS PC87336VJG (diskette, serial, parallel) / TI PCI1131 CardBus (PCI) None None None OKCIA™ slots 2 Type I or 2 Type II or 1 Type III / PCMCIA 2.1 compatible / PC Card Standard 95 CardBus 32-bit PCI / Zoomed Video support in lower slot cardBus 32-bit PCI / Zoomed Video support in lower slot pin; 16550A / on e (IEEE P1284-A, EPP, ECP, bidirectional) Universal AC Adapter 3 prong (45 watts) with barrel connector (slim) / APM-aware BIOS / APM 1.2 / Selectable boot / Acer® BIOS ata/fax modern None None 16-bit audio chip / 18 voice MIDI FM synthesis / Yamaha YMF715 Internal stereo speakers / .5 watt / Fn key volume control udio jacks Input jack (3.5 mm) / stereo output jack (3.5 mm           | Battery - life                           | 3.0 hours                              | 3.5 hours                                     | 3.0 hours                               | W95/W31/DOS device drivers,                  |  |  |  |
| includes Setup Boot Diskette)  ISA (audio, diskette, serial, parallel) / ALI* Aladdin III M1521/M1523 chipset PCI2.1/32-bit/33MH2/EIDE, graphics, PCMCIA)  NS PC87336VJG (diskette, serial, parallel) / TI PCI1131 CardBus (PCI)  None  OCKIGIA** slots  2 Type Ior 2 Type II or 1 Type III / PCMCIA 2.1 compatible / PC Card Standard 95  CardBus 32-bit PCI / Zoomed Video support in lower slot  One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)  Universal AC Adapter 3 prong (45 watts) with barrel connector (slim) /  APM-aware BIOS / APM 1.2 / Selectable boot / Acer* BIOS  deo in/out  APM-aware BIOS / APM 1.2 / Selectable boot / Acer* BIOS  deo in/out  None  PEG decoder  None  Alici sudio chip / 18 voice MIDI FM synthesis / Yamaha YMF715  Internal stere ospeakers / .5 watt / Fn key volume control  udio jacks Input jack (3.5 mm) / stereo output jack (3.5 mm) / stereo mic jack (3.5 mm) / stereo mic jack (3.5 mm) / stereo with jack (3.5 mm) / stereo          | Charge time - on / off                   |  |   |   |  |  |  |  |
| ISA (audio, diskette, serial, parallel) / ALL* Aladdin III M1521/M1523 chipset PCI(2.1/32-bit/338hV_2(EIDE, graphics, PCMCIA)  NS PC87336VJG (diskette, serial, parallel) / TI PCI1131 CardBus (PCI)  None None None None None ACMCIA** slots  2 Type I or 2 Type II or 1 Type III / PCMCIA 2.1 compatible / PC Card Standard 95 CardBus 32-bit PCI / Zoomed Video support in lower slot  PCG CardBus 32-bit PCI / Zoomed Video support in lower slot Universal AC Adapter 3 prong (45 watts) with barrel connector (slim) / APM-aware BIOS / APM 1.2 / Selectable boot / Acer* BIOS  deo in/out APM-aware BIOS / APM 1.2 / Selectable boot / Acer* BIOS  deo in/out APM-aware BIOS / APM 1.2 / Selectable boot / Acer* BIOS  deo in/out None None  16-bit audio chip / 18 voice MIDI FM synthesis / Yamaha YMF715 Internal stereo speakers / .5 watt / Fn key volume control Input jack (3.5 mm) / stereo output jack (3.5 mm) / stereo mic jack (3.5 mm)  Bios internal stereo speakers / .5 watt / Fn key volume control Input jack (3.5 mm) / stereo output jack (3.5 mm)  Power-on password / Setup password (for Notebook Manager and BIOS Utility) / diskette and disk write protect and disable / security keyhole / electronicpersonalization  Power-on password / Setup password (for Notebook Manager and BIOS Utility) / diskette and disk write protect and disable / security keyhole / electronicpersonalization  Power-on password / Setup password (for Notebook Manager and BIOS Utility) / diskette and disk write protect and disable / security keyhole / electronicpersonalization  Power-on password / Setup password (for Notebook Manager and BIOS Utility) / diskette and disk write protect and disable / security keyhole / electronicpersonalization  Power-on password / Setup password (for Notebook Manager and BIOS Utility) / diskette and disk write protect and disable / security keyhole / electronicpersonalization  Power-on password / Setup password (for Notebook Manager and BIOS Utility) / diskette and disk write protect and disable / security keyhole / electronicpersonali           | Battery - type                           |  |   |   |  |  |  |  |
| NS PC87336VJG (diskette, serial, parallel) /TI PCI1131 CardBus (PCI)  None None None None None None None Non  | Architecture                             | ISA (audio, diskette, serial, pa       | arallel) / ALI <sup>®</sup> Aladdin III M1521 | /M1523 chipset                          | melades octup boot biskette)                 |  |  |  |
| ocking Station None CMCIA™ slots CardBus 32-bit PCI/Zoomed Video support in lower slot One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) Universal AC Adapter 3 prong (45 waits) with barrel connector (slim) / APM-aware BIOS / APM 1.2 / Selectable boot / Acer® BIOS  deo in/out PEG decoder Ata/fax modem Udio support Udio jacks Jelephone None None Varies and disk write protect and disable / security keyhole / electronic personalization  verinstalled software mitted warranty¹¹¹ Power-on password / Setup password (for Notebook Manager and BIOS Utility)/ diskette and disk write protect and disable / security keyhole / electronic personalization  Wicrosoft® Windows® 95 with applications (listed on right) 1 year - carry-in  BIOS Utility is entered by holding F2 while the Pin + F2 = Brightness/contrast in + arrows = Adjust brightness/contrast in + F3 = LDD/CRT/Simultaneous in + F4 = Fuel gauge in + F5 = LDD/CRT/Simultaneous in + F4 = Fuel gauge in + F5 = Audio volume in + F6 = Power mgmt and system info in + F6 = Power mgmt and system info in + F7 = Standby in + F8 = Hibernation in + F8 = Hibernation in + ESC = Close Hot key icon  None  2 Type I or 1 Type III / PCMCIA 2.1 compatible / PC Card Standard 95 CardBus 3.2 hit PCI/Zoomed Video support in lower slot One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) Universal AC Adapter 3 prong bloot / Acer® BIOS  None None None None None None None Non  |  |  |   | -ID (DOI)                               |  |  |  |  |
| Once pricipicator CMCIA™ slots 2 Type II or 1 Type III / PCMCIA 2.1 compatible / PC Card Standard 95 CardBlus 32-bit PCI / Zoomed Video support in lower slot Once 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) Universal AC Adapter 3 prong (45 watts) with barrel connector (slim) / APM-aware BIOS / APM 1.2 / Selectable boot / Acer® BIOS decoder None None None None None None Input jack (3.5 mm) / stereo output jack (3.5 mm) / stereo mic jack (3.5 mm) None Input jack (3.5 mm) / stereo output jack (3.5 mm) / stereo mic jack (3.5 mm) /           | Docking Station                          |  | eriai, parallei) / 11 PCI1131 Car             | aBus (PCI)                              |  |  |  |  |
| CMCÍA™ slots  CardBus 32-bit PCI / Zoomed Video support in lower slot One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) Universal AC Adapter 3 prong (45 watts) with barrel connector (slim) / APM-aware BIOS / APM 1.2 / Selectable boot / Acer® BIOS  deo in/out PEG decoder None None None 16-bit audio chip / 18 voice MIDI FM synthesis / Yamaha YMF715 Internal stereo speakers / .5 watt / Fn key volume control udio jacks lepthone None Power-on password / Setup password (for Notebook Manager and BIOS Utility)/ diskette and disk write protect and disable / security keyhole / electronic personalization  Perintalled software internative by holding F2 while the ThinkPad logo is displayed after power on. Fn + F1 = Brightness/contrast Fn + F2 = Brightness/contrast Fn + F3 = LCD/CRT/Simultaneous Fn + F4 = Fuel gauge Fn + F2 = Brightness/contrast Fn + F3 = LCD/CRT/Simultaneous Fn + F3 = LCD/CRT/Simultaneous Fn + F6 = Power mgmt and system info Fn + F7 = Standby Fn + F8 = Hibernation  |  |  |   |   |  |  |  |  |
| Decid parallel ports ther features  One 9 pin; 16550 A / one (IEEE P1284-A; ÈPP, ECP, bidirectional) ther features  Universal AC Adapter 3 prong (45 watts) with barrel connector (slim) / APM-aware BIOS / APM 1.2 / Selectable boot / Acer® BIOS  deo in/out PEG decoder ata/fax modem Vone ata/fax modem Vone 16-bit audio chip / 18 voice MIDI FM synthesis / Yamaha YMF715 Internal stereo speakers / .5 watt / Fn key volume control ulio ipacks elephone None frared ports None  Power-on password / Setup password (for Notebook Manager and BIOS Utility) / diskette and disk write protect and disable / security keyhole / electronic personalization  Microsoft® Windows® 95 with applications (listed on right) 1 year - carry-in  BIOS Utility is entered by holding F2 while the Fin + F1 = Hot key help ThinkPad logo is displayed after power on. ThinkPa          | PCMCIA™ slots                            |  | III / PCMCIA 2.1 compatible / PC              | Card Standard 95                        |  |  |  |  |
| Universal AC Adapter 3 prong (45 watts) with barrel connector (slim) / APM-aware BIOS / APM 1.2 / Selectable boot / Acer® BIOS  deo in/out None  PEG decoder None ata/fax modem Universal AC Adapter 3 prong (45 watts) with barrel connector (slim) / APM-aware BIOS / APM 1.2 / Selectable boot / Acer® BIOS  deo in/out None 16-bit audio chip / 18 voice MIDI FM synthesis / Yamaha YMF715 Internal stereo speakers / .5 watt / Fn key volume control Internal stereo Speakers / .5 watt / Fn key volume control Internal stereo Speakers / .5 watt / Fn key volume control Internal stereo Speakers / .5 watt / Fn key volume control Internal stereo Speakers / .5 watt / Fn key volume control Internal stereo Speakers / .5 watt / Fn key volume control Internal st          |  |  |   |   |  |  |  |  |
| APM-aware BIOS / APM 1.2 / Selectable boot / Acer® BIOS  deo in/out None PEG decoder  | Serial / parallel ports                  |  |   |   |  |  |  |  |
| dec in/out PEG decoder None None None Adjust volume Fig. 14 = Fig. Brightness/contrast Fig. 15 = Fig. Brightness/contrast Fig. 15 = Fig. Brightness/contrast Fig. 15 = Fig. Brightness/contrast          | Other features                           | APM aware BIOS / APM 1.2               | (45 watts) with barrel connecto               | r (slim) /                              |  |  |  |  |
| atal/fax modem vidio support  atal/fax mode vidio support  atal/fax vidio support  atal/fax vidio vidio vidio support  atal/fax vidio vi           | \ /: -  : - / - · · +                    |  | / Selectable boot / Acei Bios                 |   |  |  |  |  |
| Ata/fax modem udio support  16-bit audio chip / 18 voice MIDI FM synthesis / Yamaha YMF715 Internal stereo speakers / .5 watt / Fn key volume control Input jack (3.5 mm) / stereo output jack (3.5 mm) / stereo mic jack (3.5 mm)  Power-on password / Setup password (for Notebook Manager and BIOS Utility) / diskette and disk write protect and disable / security keyhole / electronic personalization  Perinstalled software mitted warranty <sup>11</sup> Power- carry-in  Microsoft® Windows® 95 with applications (listed on right)  Poyer - carry-in  Microsoft® Windows® 95 with applications (listed on right)  Poyer - carry-in  OPTIONS  - 2.1GB disk, 13/14ms (user upgradeable) of the part of |  |  |   |   |  |  |  |  |
| 16-bit audio chip / 18 voice MIDI FM synthesis / Yamaha YMF715 Internal stereo speakers / .5 watt / Fn key volume control Input jack (3.5 mm) / stereo output jack (3.5 mm) / stereo mic jack (3.5 mm) None frared ports None Power-on password / Setup password (for Notebook Manager and BIOS Utility)/ diskette and disk write protect and disable / security keyhole / electronic personalization  reinstalled software mited warranty¹¹¹ year - carry-in  BIOS Utility is entered by holding F2 while the ThinkPad logo is displayed after power on. Fn + F1 = Hot key help Fn + F2 = Brightness/contrast Fn + arrows = Adjust brightness/contrast Fn + F3 = LCD/CRT/Simultaneous Fn + F4 = Fuel gauge Fn + F5 = Audio volume Fn + F5 = Audio volume Fn + F6 = Power mgmt and system info Fn + F7 = Standby Fn + F7 = Standby Fn + F8 = Hibernation Fn + F8 = Blibernation Fn + F8 = Close Hot key icon Fn + F8 +   |  |  |   |   |  |  |  |  |
| Input jack (3.5 mm) / stereo output jack (3.5 mm) / stereo mic jack (3.5 mm)  None  Power-on password / Setup password (for Notebook Manager and BIOS Utility) / diskette and disk write protect and disable / security keyhole / electronic personalization  Microsoft® Windows® 95 with applications (listed on right)  1 year - carry-in  Microsoft® Windows® 95 with applications (listed on right)  1 year - carry-in  Microsoft® Windows® 95 with applications (listed on right)  1 year - carry-in  Microsoft® Windows® 95 with applications (listed on right)  1 year - carry-in  Microsoft® Windows® 95 with applications (listed on right)  1 year - carry-in  Microsoft® Windows® 95 with applications (listed on right)  1 year - carry-in  Microsoft® Windows® 95 with applications (listed on right)  1 year - carry-in  Microsoft® Windows® 95 with applications (listed on right)  1 year - carry-in  Microsoft® Windows® 95 with applications (listed on right)  1 year - carry-in  Microsoft® Windows® 95 with applications (listed on right)  1 year - carry-in  Microsoft® Windows® 95 with applications (listed on right)  1 year - carry-in  Microsoft® Windows® 95 with applications (listed on right)  1 year - carry-in  No suspend mode; has standby and hibernation mode  2 2.1GB disk, 13/14ms (user upgradeable)  3 2.2GB disk, 13/14ms (user upgradeable)  4 NiMH Battery  4 A C Adapter, 3 prong without power cord  5 11,38636  1           | Audio support                            |  | MIDI FM synthesis / Yamaha Y                  | MF715                                   |  |  |  |  |
| Power-on password / Setup password (for Notebook Manager and BIOS Utility) / diskette and disk write protect and disable / security keyhole / electronic personalization  Microsoft® Windows® 95 with applications (listed on right)  Teinstalled software mited warranty¹¹¹  |  |  |   |   |  |  |  |  |
| Frainted ports  Power-on password / Setup password (for Notebook Manager and BIOS Utility)/ diskette and disk write protect and disable / security keyhole / electronic personalization  Frainted warranty <sup>11</sup> BIOS Utility is entered by holding F2 while the ThinkPad logo is displayed after power on.  Frain + F1 = Hot key help Frain + F2 = Brightness/contrast Frain + F3 = LCD/CRT/Simultaneous Frain + F3 = LCD/CRT/Simultaneous Frain + F4 = Fuel gauge Frain + F5 = Audio volume Frain + F6 = Power mgmt and system info Frain + F7 = Standby Frain + F8 = Hibernation Frain + F8 = Close Hot key icon Frain + F8 = Clos | Audio jacks                              |  | tput jack (3.5 mm) / stereo mic ja            | ıck (3.5 mm)                            |  |  |  |  |
| Power-on password / Setup password (for Notebook Manager and BIOS Utility) diskette and disk write protect and disable / security keyhole / electronic personalization  Microsoft® Windows® 95 with applications (listed on right)  1 year - carry-in  Microsoft® Windows® 95 with applications (listed on right)  1 year - carry-in  Define F1 = Hot key help ThinkPad logo is displayed after power on.  Sin + F2 = Brightness/contrast ThinkPad logo is displayed after power on.  Sin + F3 = LCD/CRT/Simultaneous ThinkPad logo is displayed after power on.  Sin + F4 = Fuel gauge ThinkPad logo is displayed after power on.  Sin + F5 = Audio volume ThinkPad logo is displayed after power on.  Sin + F4 = Fuel gauge ThinkPad logo is displayed after power on.  Sin + F5 = Audio volume ThinkPad logo is displayed after power on.  Sin + F6 = Power mgmt and system info thinkPad logo is displayed after power on.  Sin + F6 = Power mgmt and system info thinkPad logo is displayed after power on.  Sin + F6 = Power mgmt and system info thinkPad logo is displayed after power on.  Sin + F6 = Power mgmt and system info thinkPad logo is displayed after power on.  Sin + F6 = Power mgmt and system info thinkPad logo is displayed after power on.  Sin + F6 = Power mgmt and system info thinkPad logo is displayed after power on.  Sin + F6 = Power mgmt and system info thinkPad logo is displayed after power on.  Sin + F6 = Power mgmt and system info thinkPad logo is displayed after power on.  Sin + F6 = Power mgmt and system info thinkPad logo is displayed after power on.  Sin + F6 = Power mgmt and system info thinkPad logo is displayed after power on.  Sin + F6 = Power mgmt and system info thinkPad logo is displayed after power on.  Sin + F6 = Power mgmt and system info thinkPad logo is displayed after power on.  Sin + F6 = Power mgmt and system info thinkPad logo is displayed after power on.  Sin + F6 = Power mgmt and system info thinkPad logo is displayed after power on.  Sin + F6 = Power mgmt and system info thinkPad logo is displayed after power on.  Si          |  |  |   |   |  |  |  |  |
| diskette and disk write protect and disable / security keyhole / electronic personalization  Microsoft® Windows® 95 with applications (listed on right)  1 year - carry-in  Microsoft® Windows® 95 with applications (listed on right)  1 year - carry-in  OPTIONS  System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.  No suspend mode; has standby and hibernation mode  1 1138639  1 138639  1 138639  1 138639  1 138639  1 138639  1 138639  1 138639  1 138639  1 138639  1 138639  1 138639  1 138636  1 138639  1 138639  1 138639  1 138639  1 138639  1 138639  1 138639  1 138639  1 138639  1 138639  1 138639  1 138639  1 138636  1 138639  1 138637  1 138639            |  |  | account (for Notaback Marier                  | r and PIOC I Itility //                 | -  |  |  |  |
| electronic personalization  reinstalled software mited warranty <sup>11</sup> Microsoft® Windows® 95 with applications (listed on right)  1 year - carry-in  OPTIONS  Coptions  | Security                                 |  |   |   |  |  |  |  |
| System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.  System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.  System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.  System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.  System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.  No suspend mode; has standby and hibernation mode  11,18639  11,18639  11,18639  11,18639  11,18639  11,18639  11,18639  11,18639  11,18639  11,18639  11,18630  11,18637  11,18639  11,1           |  |  | . aa diodolo / ocodiny Reynole /              |   |  |  |  |  |
| mited warranty¹¹ 1 year - carry-in  BIOS Utility is entered by holding F2 while the ThinkPad logo is displayed after power on.  Fn + F1 = Hot key help Fn + F2 = Brightness/contrast Fn + F3 = LCD/CRT/Simultaneous Fn + F4 = Fuel gauge Fn + F5 = Audio volume Fn + F5 = Audio volume Fn + F6 = Power mgmt and system info Fn + F7 = Standby Fn + F8 = Hibernation Fn + F8 = Close Hot key icon  DPTIONS  OPTIONS  11,38643 11,38639 11,38639 11,38639 11,38639 11,38639 11,38639 11,38639 11,38639 11,38639 11,38639 11,38639 11,38639 11,38639 11,38639 11,38639 11,38639 11,38639 11,38639 11,38639 11,38637 11,38639 1           | Preinstalled software                    | <u> </u>                               | applications (listed on right)                |   |  |  |  |  |
| SIOS Utility is entered by holding F2 while the FinhikPad logo is displayed after power on.  SIOS Utility is entered by holding F2 while the FinhikPad logo is displayed after power on.  FinhikPad logo is displayed after power on.  Finh + F1 = Hot key help   | Limited warranty <sup>11</sup>           |  | appsationio (notod on right)                  |   |  |  |  |  |
| OPTIONS  SIOS Utility is entered by holding F2 while the ThinkPad logo is displayed after power on.  Fn + F1 = Hot key help Fn + F2 = Brightness/contrast Fn + arrows = Adjust brightness/contrast Fn + F3 = LCD/CRT/Simultaneous Fn + F5 = Audio volume Fn + F5 = Audio volume Fn + F6 = Power mgmt and system info Fn + F7 = Standby Fn + F8 = Hibernation Fn + F8 = Close Hot key icon  OPTIONS  No suspend mode; has standby and hibernation mode 11J8643 05K8864 11J8639 11J8639 11J8636 11J8637 11J8639 11J8639 11J8636 11J8636 11J8636 11J8636 11J8636 11J8637 11J8639 11J8639 11J8639 11J8630 11J86           | •  | - ,                                    |   |   |  |  |  |  |
| Fin + F1 = Hot key help Fin + F2 = Brightness/contrast Fin + F3 = LCD/CRT/Simultaneous Fin + F4 = Fuel gauge Fin + F5 = Audio volume Fin + F7 = Standby Fin + F7 = Standby Fin + F8 = Hibernation Fin + F8 = Hibernation Fin + F8 = Close Hot key icon Fin + F8 = Close Hot key icon Fin + F8 = Close Hot key icon Fin + F1 = Hot key help Fin + F2 = Brightness/contrast Fin + F2 = Brightness/contrast Fin + F3 = LCD/CRT/Simultaneous Fin + F3 = LCD/CRT/Simultaneous Fin + F4 = Fuel gauge Fin + F5 = Audio volume Fin + F6 = Power mgmt and system info Fin + F6 = Power mgmt and system info Fin + F8 = Hibernation Fin + F8 = Hibernation Fin + F8 = Hibernation Fin + F8 = Close Hot key icon Fin + F8 = Close Hot key icon Fin + F8 = Hibernation Fin + F8 = Close Hot key icon Fin + F8 = Hibernation Fin + F8 = Close Hot key icon Fin + F9 = Hot key help Fin + F1 = Hot key help Fin + F2 = Brightness/contrast Fin + F2 = Brightness/contrast Fin + F3 = LCD/CRT/Simultaneous Fin + F3 = LCD/CRT/Simultaneous Fin + F4 = Fuel gauge Fin + F5 = Audio volume Fin + F5 = Audio volume Fin + F6 = Power mgmt and system info Fin + F7 = Standby Fin + F8 = Hibernation Fin + F8 = Hibernati           | BIOS Utility is entered                  | by holding F2 while the                | OPTIONS                                       |   |  |  |  |  |
| Fn + F1 = Hot key help Fn + F2 = Brightness/contrast Fn + F3 = LCD/CRT/Simultaneous Fn + F4 = Fuel gauge Fn + F5 = Audio volume Fn + F6 = Power mgmt and system info Fn + F7 = Standby Fn + F8 = Hibernation Fn + F8 = Hibernation Fn + F8 = Close Hot key icon Fn + F8 = Close Hot key icon Fn + F8 = Close Hot key icon Fn + F1 = Hot key help Fn + F1 = Hot key help Fn + F1 = Hot key help Fn + F2 = Brightness/contrast Fn + F2 = Brightness/contrast Fn + F3 = LCD/CRT/Simultaneous Fn + F3 = LCD/CRT/Simultaneous Fn + F4 = Fuel gauge Fn + F5 = Audio volume Fn + F7 = Standby Fn + F6 = Power mgmt and system info Fn + F7 = Standby Fn + F8 = Hibernation Fn + F9 = Standby Fn + F9           |  | aved after power on.                   |   | da a bla ) 44 10040                     |  |  |  |  |
| Factures  - NiMH Battery - NiMH Battery - AC Adapter, 3 prong without power cord - 16MB SO DIMM 3.3v NP EDO 64-bit, gold - 11J8639 - 11J8636 - 10J8636 - 10           |  | - 2.                                   |   |   | hibernation mode                             |  |  |  |
| - AC Adapter, 3 prong without power cord 11J8699 - 16MB SO DIMM 3.3v NP EDO 64-bit, gold 11J8636 - 16MB SO DIMM 3.3v NP EDO 64-bit, gold 11J8636 - 32MB SO DIMM 3.3v NP EDO 64-bit, gold 11J8636 - 32MB SO DIMM 3.3v NP EDO 64-bit, gold 11J8637 - 10X CD-ROM w/ external FDD/cable (dealer installable only) - 20X-8X Portable CD-ROM 1969010 - 16 + F8 = Hibernation - + F8 = Close Hot key icon - AC Adapter, 3 prong without power cord 11J8699 - 11J8636 - 32MB SO DIMM 3.3v NP EDO 64-bit, gold 11J8637 - 10X CD-ROM w/ external FDD/cable (dealer installable only) - 20X-8X Portable CD-ROM 1969010 - 20X-8X Portable Stereo CD-ROM 1969011 - PCMCIA 33.6Kbps International Data/Fax 42H4319 - PCMCIA 33.6Kbps Modem w/ XJACK 55H6759  |  | 1016                                   |   |   | EEATLIDES                                    |  |  |  |
| Fin + F3 = LCD/CRT/Simultaneous Fin + F4 = Fuel gauge Fin + F5 = Audio volume Fin + F6 = Power mgmt and system info Fin + F7 = Standby Fin + F8 = Hibernation Fin + Esc = Close Hot key icon Fin + Esc = Close Hot key icon Fin + F3 = LCD/CRT/Simultaneous Fin + F4 = Fuel gauge Fin + F5 = Audio volume Fin + F5 = Audio volume Fin + F6 = Power mgmt and system info Fin + F7 = Standby Fin + F8 = Hibernation Fin + F8 = Hibernation Fin + F8 = Close Hot key icon Fin + F9 = Close Hot key icon Fin + F1 = Close Hot key icon Fin + F2 = Close Hot key icon Fin + F3 = LCD/CRT/Simultaneous Fin + F4 = Fuel gauge Fin + F5 = Audio volume Fin + F5 = Audio volume Fin + F6 = Power mgmt and system info Fin + F7 = Standby Fin + F8 = Hibernation Fin + F9 = Close Hot key icon Fin + F9 = Audio volume Fin + F1 = Standby Fin + F1 = Standby Fin + F2 = Close Hot key icon Fin + F3 = Fuel gauge Fin + F1 = Fuel gauge Fin + F2 = Audio volume Fin + F1 = Fuel gauge Fin + F2 = Fuel gauge Fin + F2 = Fuel gauge Fin + F3 = Fuel gauge Fin + F2 = Fuel gauge Fin + F3 = Fuel gauge Fin + F3 = Fuel gauge Fin + F2 = Fuel gauge Fin + F3 = Fuel gauge Fin + F3 = Fuel gauge Fin + F2 = Fuel gauge Fin + F3 = Fuel gauge Fin + F2 = Fuel gauge Fin + F3 = Fuel gauge Fin + F3 = Fuel gauge Fin + F2 = Fuel gauge Fin + F3 =            |  |  | C Adapter, 3 prong without now                | er cord 11J8699                         |  |  |  |  |
| - 32MB SO DIMM 3.3v NP EDO 64-bit, gold - 11J8637 - 10X CD-ROM w/ external FDD/cable            | $Fn + F3 = LCD/CR^2$                     | T/Simultaneous   - 16                  | 6MB SO DIMM 3.3v NP EDO 64-bi                 | t, gold 11J8636                         |  |  |  |  |
| - 1 + F5 = Audio volume - 1 + F6 = Audio volume - 2 + Audio volume - 3 + Audio volume - 4 + Audio volume - 5 + Audio volume - 6 + Audio volume - 7 + F6 = Power mgmt and system info - 9 - 20X-8X Portable CD-ROM - 20X-8X Portable Stereo CD-ROM - 20X-8X Portable Stereo CD-ROM - 9 - 20X-8X Portable Stereo CD-ROM - 20X-8X Portable Stereo CD-ROM - 9 - 20X-8           | Fn + F4 = Fuelgauge                      | ge   - 32                              |   |   |  |  |  |  |
| Fin + F8 = Hibernation Fin + F8 = Close Hot key icon  Color Historia Histo           |  |  |   | able 11J8676                            | ENERGY STAR compliant                        |  |  |  |
| -n + F7 = Standby -n + F8 = Hibernation -n + Esc = Close Hot key icon -20X-8X Portable Stereo CD-ROM -9CMCIA 33.6Kbps International Data/Fax 42H4319 -9CMCIA 33.6Kbps Modem w/ XJACK -9CMCIA 34.6Kbps Modem w/ XJACK -9CMCIA            |  | Volunto                                |   | 1060010                                 |  |  |  |  |
| -n + F8 = Hilbernation          |  |  |   |   | International Warranty Service <sup>14</sup> |  |  |  |
| Fn + Esc = Close Hot key icon  - PCMCIA 33.6Kbps Modem w/ XJACK  55H6759  24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet  |  |  |   |   |  |  |  |  |
| y Dogi u, iax, ciccli offic, and interfict  |  |  |   |   |  |  |  |  |
| INWWW IIIII COMMONICE CHANAIT   | 0.000110                                 |  | -   |   | (www.ibm.com/pc/us) support                  |  |  |  |
| IBM and dealer warranty/service   |  |  |   |   |  |  |  |  |
|   |  |  |   |   |  |  |  |  |
| All trademarks are the property of their respective own   |  |  |   |   | 1  |  |  |  |

### **TEM ThinkPad® 310E and 310ED (EMEA) - Spring 1998 - withdrawn**

| IBM <sup>®</sup> ThinkPad <sup>®</sup> :  | 310E   | 310E   | 310ED                         | N/O.1 / O.D. D.O.1   |
|---|--|--|-------------------------------|--|
| Processor type  | 12.1" Dual Scan SVGA color Pentium® MMX™ 166/66MHz¹  | 12.1" TFT SVGA color   | 12.1" Dual Scan S             | SVGA color / CD-ROM  |
| Processor upgrade   | None   |  |                               |  |
| Processor features  | MMX technology / P55CLM / 6  | 4-bit to transfers to L2 cache                                   | and memory                    |  |
| L2 cache<br>External FDD port   | 256KB / write-back / direct map  |  |                               | odel; or use if upgrade to CD-ROM)   |
| Diskette drive  | Internal 3.5" 1.44MB (on left sid  |  |                               | IMB (connect to rear)  |
| CD-ROM drive  | None (dealer upgrade available   | e) ´   | 20X-8X5 x CD-R0               | OM / bootable (left side) / CAV  |
| Price Type - model Preload (see side)   | 2600-A00<br>Windows 95 OSR2  | 2600-C00   | 2600-B00                      |  |
| Avail / withdrawn date<br>Disk - size / ms  | March 1998 / September 1998<br><b>2.1GB</b> <sup>4</sup> / 13ms read; 14ms writ  | re / PIO Mode 4 / SMART  |                               |  |
| Disk controller   | EIDE / busmaster / PCI 2.1 / su  |  |                               |  |
| Display - size and type   | 12.1" Dual Scan SVGA color   | 12.1" TFT SVGA color   | 12.1" Dual Scan               | SVGA color   |
| Display - techology   | 12.1" SVGA color / 640 x 480 c<br>256 simultaneous colors / Dua  |  |                               | 640 x 480 or 800 x 600 / 65,536 sim colors active matrix / 100 to 1 contrast ratio                     |
| Graphics - controller<br>Graphics - memory<br>Graph - arch/data path<br>Gaphics - features<br>Graphics - external | C&T™ 65550 HiQV32™ / 64-bit \$ 1MB EDO DRAM / 70ns PCI 2.1 / interpolation / color sp simultaneous LCD and CRT / 1 External SVGA to 1024 x 768 w | ace conversion<br>80 degree tilt / Zoomed Video                  | support                       |  |
| Memory - std / max  | <b>16MB</b> / 64MB   |  | <b>32MB</b> / 64MB            | WINDOWS OF PDELOADIS   |
| Memory - implement<br>Memory - features<br>Memory - upgrade   | One 16MB SO-DIMM is installe<br>60ns / non-parity / 3.3 volt / EDO<br>1 socket available for two JED   | O / memory installed from bott                                   | om of system                  | WINDOWS 95 PRELOAD <sup>16</sup> - Microsoft Windows 95 OSR2 (FAT16)  - Internet Explorer 4.0          |
| Keyboard / # of keys  | Full size alp/num / 85 keys (9 F   | n key functions)   |                               | Notebook Manager     (no diskette factory)   |
| Keyboard slope  | Large palm rest / keyboard rem   | ains flat (no sloop) / no liftup k                               | eyboard                       | - (no diskette factory)<br>1. IBM Anti-Virus   |
| Pointing device<br>Palm rest  | TrackPoint® III / no drag lock ke<br>Integrated palm rest / external k   |  | rahla)                        | IntelliQuest Registration Mailer   |
| Dimensions  | 11.7 x 8.9 x 2.0" (208 cubic inc   | hes) / 298 mm x 227 mm x 50                                      | mm                            | ThinkPad Customization Icon     CD-ROMs included in shipping carton:     Application CD ROM (includes) |
| Weight <sup>2</sup>   | 6.6 pounds (3.0 kg)<br>3.0 hours   | 6.6 pounds (3.0 kg)<br>2.8 hours                                 | 6.9 lbs (3.1 kg)<br>3.0 hours | Application CD-ROM (includes W95/W31/DOS device drivers.   |
| Battery - life<br>Charge time - on / off  | 3.5 to 10 hrs / 2.0 hrs / no non-c   |  | 13.0110018                    | preloaded applications)  |
| Battery - type  | NiMH / non-intelligent / battery   |  | t side                        | - Windows 95 CD-ROM (no installation;  |
| Architecture  | ISA (audio, diskette, serial, par<br>PCI 2.1 / 32-bit / 33 Mhz (EIDE<br>NS PC87336VJG (diskette, ser   | , graphics, PCMCIA)  |                               | includes Setup Boot Diskette)  |
| Docking Station   | None   |  |                               |  |
| Port replicator<br>PCMCIA™ slots  | None<br>2 Type I or 2 Type II or 1 Type II   | L/PCMCIA 2.1 compatible / PC                                     | Card Standard 95              |  |
| 1 Cilion Colors   | CardBus 32-bit PCI / Zoomed  | Video support in lower slot                                      |                               |  |
| Serial / parallel ports<br>Other features   | One 9 pin; 16550A / one (IEEE<br>Universal AC Adapter 3 prong (<br>APM-aware BIOS / APM 1.2 / 3  | P1284-A, EPP, ECP, bidirection (45 watts) with barrel connectors | onal)<br>or (slim) /          |  |
| Video in/out  | None   |  |                               |  |
| MPEG decoder<br>Data/fax modem  | None<br>None   |  |                               |  |
| Audio support   | 16-bit audio chip / 18 voice MI  | IDI FM synthesis / Yamaha Y                                      | MF715                         |  |
|   | Internal stereo speakers / .5 wa   | tt / Fn key volume control                                       |                               |  |
| Audio jacks<br>Telephone<br>Infrared ports  | Input jack (3.5 mm) / stereo outp<br>None<br>None  | out jack (3.5 mm) / stereo mic ja                                | ack (3.5 mm)                  |  |
| Security  | Power-on password / Setup pas  | seword (for Notebook Manage                                      | r and RIOS I Itility//        |  |
|   | diskette and disk write protect a electronic personalization   | and disable / security keyhole /                                 |                               | System does not have non-disruptive  |
| Preinstalled software<br>Limited warranty <sup>11</sup>   | Microsoft® Windows® 95 with ap 1 year - carry-in   | oplications (listed on right)                                    |                               | battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.       |
| BIOS Utility is entered<br>ThinkPad logo is displ   | d by holding F2 while the layed after power on.  | OPTIONS GB disk 13/14ms (user upgrad                             | deable) 11J8643               | No suspend mode; has standby and hibernation mode  |
| Fn + F1 = Hot key h   | neln - 3.20  | GB disk 13/14ms (user upgrad                                     | deable) 05K8864               | FEATURES   |
| Fn + F2 = Brightnes   | ss/contrast   - NIIV   | IH Battery<br>Adapter, 3 prong without pow                       | 11J8639<br>rer cord 11J8699   | Plug and Play 1.0a   |
| Fn + arrows = Adjust<br>Fn + F3 = LCD/CR  | 161  | MB SO DIMM 3.3v NP EDO 64-b                                      | it, gold 11J8636              | Standby and hibernation modes  |
| Fn + F4 = Fuelgau   | ge - 32N   | NB SO DIMM 3.3v NP EDO 64-b                                      | it, gold 11J8637              | Color LÉD indicator  |
| Fn + F5 = Audio vo  | ľume   | ( CD-ROM w/ external FDD/ca<br>dealer installable only)          | able 11J8676                  | ENERGY STAR compliant Personalized nameplate indention   |
| Fn + arrows = Adjust  | . volulile   | (-8X CD-ROM w/ external FD                                       | D/cable 05K8867               | International Warranty Service14   |
| Fn + F6 = Power m<br>Fn + F7 = Standby  | (c   | dealer installable only)   |                               | IBM SystemXtra™  |
| Fn + F8 = Hibernati   | ion - 20X  | (-8X Portable CD-ROM<br>(-8XPortable Stereo CD-ROM               | 1969010<br>1969011            | 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet                               |
| Fn + Esc = Close Ho   |  | MCIA 33.6Kbps International I                                    |                               | (www.ibm.com/pc/us) support  |
|   | - PCI  | MCIA 33.6Kbps Modem w/ XJ  | IACK 55H6759                  | IBM and dealer warranty/service  |
|   |  |  |                               |  |
|   | '  |  |                               | arks are the property of their respective owners   |

### **運知 ThinkPad® 310ED (Retail models) - withdrawn**

| IBM <sup>®</sup> ThinkPad <sup>®</sup> :  | ≈ 310ED  |   | × 310ED   |  |  |  |  |
|---|--|---|---|--|--|--|--|
| Processor type Processor upgrade Processor features L2 cache External FDD port Diskette drive CD-ROM drive  | 256KB / write-back / dir<br>External FDD port (work<br>External 3.5" 1.44MB (c   | CLM / 64-bit to transect mapped / 7ns / ks with standard exconnect to rear)   | Pentium MMX 166/66MHz sfers to L2 cache and memory sychronous pipelined burst tternal diskette on CD-ROM-based m 20X-8X5 CD-ROM / bootable (left sid  | ,  |  |  |  |
| Price Type - model UPC code Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller  | 2600-50U<br>087944375975<br>Windows 95 OSR2<br>November 1997 / May 19<br>1.6GB <sup>4</sup> / 13ms/14ms / F  | 087944375975 087944395997 O87944395997  |   |  |  |  |  |
| Display - size and type   | 12.1" Dual Scan SVGA   | color   |   |  |  |  |  |
| Display - techology   | 12.1" SVGA color / 640<br>256 simultaneous color   |   |   |  |  |  |  |
| Graphics - controller<br>Graph - arch/data path<br>Gaphics - features<br>Graphics - external  | C&T™ 65550 HiQV32™ /<br>PCI 2.1 / interpolation / c  | /64-bit SVGA accel<br>color space convers<br>CRT / 180 degree t   | erator / 1MB EDO DRAM / 70ns<br>sion<br>ilt / Zoomed Video support  |  |  |  |  |
| Memory - std / max<br>Memory - features<br>Memory - upgrade   |  | olt / EDO / memory  | 32MB / 64MB / one SO-DIMM used installed from bottom of system O SO-DIMM of 8, 16, or 32MB  | WINDOWS 95 PRELOAD <sup>16</sup> - Microsoft Windows 95 OSR2 (FAT16)   |  |  |  |
| Keyboard / # of keys Keyboard slope Pointing device Palm rest   | Full size alp/num / 85 ke  | ys (9 Fn key function<br>ard remains flat (no<br>lock keys  | ons)<br>sloop) / no liftup keyboard   | - Internet Explorer 4.0 - AOL, AT&T WorldNet, CompuServ - Media Player - ActiveMovie (MPEG-1, AVI) - Video for Windows   |  |  |  |
| Dimensions  | 11.7 x 8.9 x 2.0" (208 cu  |   |   | - CD Audio Player  |  |  |  |
| Weight <sup>2</sup> Battery - life Charge time - on / off Battery - type  | 7.1 lbs (3.2 kg) 3.0 hours 3.5 to 10 hrs / 2.0 hrs / n NiMH / non-intelligent / b  | o non-disruptive ba   |   | - MIDI Sequencer 1. Lotus® SmartSuite 97 - WordPro Work Processor - 1-2-3 Spreadsheet - Freelance Graphics   |  |  |  |
| Architecture  Docking Station Port replicator PCMCIA™ slots  Serial / parallel ports Other features   | PCI 2.1 / 32-bit / 33MHz<br>NS PC87336VJG (diske<br>None<br>None<br>2 Type I or 2 Type II or 1<br>CardBus 32-bit PCI / Zc<br>One 9 pin; 16550A / one | z (EIDE, graphics, I<br>ette, serial, parallel<br>Type III / PCMCIA z<br>comed Video supp<br>(IEEE P1284-A, E<br>prong (45 watts) wi                | ) / TI PCI1131 CardBus (PCI)  2.1 compatible / PC Card Standard 95  ort in lower slot PP, ECP, bidirectional) ith barrel connector (slim) /   | - Approach Database - Organizer Scheduler - ScreenCam 2. IBM Anti-Virus 3. PointCast (with ThinkPad Channel) 4. ThinkPad Customization Icon 5. Notebook Manager 6. Ergonomics 7. IntelliQuest Registration Mailer 8. Password Protected Marketing Demo   |  |  |  |
| Video in/out<br>Data/fax modem<br>Audio support<br>Audio jacks  | Internal stereo speakers<br>Input jack (3.5 mm) / ster   | : / .5 watt / Fn key v  | 56Kbps PC Card modem<br>  ActionTec® DataLink / K56flex™<br>  hesis / Yamaha YMF715<br>  olume control<br>  mm) / stereo mic jack (3.5 mm)  | 9. PhoenixCard Manager - (no diskette factory) CD-ROMs included in shipping carton: - Application CD-ROM (includes Lotus SmartSuite 97, W95/W31/DOS device drivers, preloaded applications)  |  |  |  |
| Telephone<br>Infrared ports   | None<br>None   |   |   | - Windows 95 CD-ROM (no installation; includes Setup Boot Diskette)  |  |  |  |
| Security  |  | rotect and disable /  | Notebook Manager and BIOS Utility)/<br>'security keyhole /  | , ,  |  |  |  |
| Preinstalled software<br>Limited warranty <sup>11</sup>   | Microsoft® Windows® 95<br>1 year - carry-in  | with applications (   | listed on right)  | System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.   |  |  |  |
| BIOS Utility is entered<br>ThinkPad logo is disp  | d by holding F2 while the layed after power on.  | - 2 1GR diek 13/  | OPTIONS 14ms (user upgradeable) 11J8643   | No suspend mode; has standby and hibernation mode  |  |  |  |
| Fn + F1 = Hot key help Fn + F2 = Brightness/contrast Fn + arrows = Adjust brightness/contrast Fn + F3 = LCD/CRT/Simultaneous Fn + F4 = Fuel gauge |  | <ul> <li>3.2GB disk 12n</li> <li>NiMH Battery</li> <li>AC Adapter, 3  </li> <li>16MB SO DIMM</li> <li>32MB SO DIMM</li> <li>PCMCIA 33.6K</li> </ul> | ns (user upgradeable) 05K8864<br>11J8639<br>prong, US pwr cord, 45 wa 11J8702<br>M 3.3v NP EDO 64-bit, gold 11J8636<br>M 3.3v NP EDO 64-bit, gold 11J8637<br>bps International Data/Fax 42H4319<br>bps Modem w/ XJACK 55H6759 | Plug and Play 1.0a Standby and hibernation modes Color LED indicator ENERGY STAR compliant Personalized nameplate indention Year 2000 ready International Warranty Service <sup>14</sup> 24 hour /7 day telephone, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support IBM and dealer warranty/service |  |  |  |
|   |  |   |   |  |  |  |  |

#### IIIX ThinkPad 345 (non-US) - withdrawn

| IBM® ThinkPad®:  | <b>≈345CS</b> dual scan color   | ≈ <b>345C</b><br>TFT color  |   |   | ad 345 is a fast, lightweight, full function, dual scan color notebook at a very  |  |
|--|---|---|---|---|---|--|
| Processor type Processor speed Memory cache Coprocessor socket Processor / L2 upgrade Diskette drive Removable CD-ROM        | InteIDX4<br>75/25 MHz / 3.3 volt<br>16 KB internal (no L2 cach<br>Integrated in DX4   | e)  | 1   | attractive price point  □ Entry priced ThinkPad  □ Large color 10.4" dual scan or TFT display  □ Fast IntelDX4 75/25 MHz  □ Lightweight (5.2 or 5.5 pounds)  □ TrackPoint III |   |  |
| Price Type - model IDE disk - size Hard drive - speed Avail / withdrawn date   | \$ 2610-EYF 2610-EYG 360 MB 540 MB 13 ms 13 ms Sep 1995 / Jan 1996  | \$ 2610-FYF 360 MB 13 ms Sep 1995 / Apr   | \$<br>2610-FYG<br><b>540 MB</b><br>13 ms<br>1996                                  |   |   |  |
| Display - type Display - colors Display - techology Display - diagonal size Display - contrast ratio 180 degree display tilt | VGA color / 640 x 480<br>256 simultaneous colors<br>Dual Scan - passive matrix<br>10.4 inch<br>20 to 1<br>Yes                 | VGA color / 64<br>256 simultaneo<br>Black Matrix TI<br>10.4 inch<br>100 to 1<br>Yes |   |   |   |  |
| Graphics - controller<br>Graphics - vendor<br>Graph - arch/data path   | WD90C24A Rev C with 1 M<br>Western Digital / External S<br>VL-Bus local bus / 32 bit / S                                      | SVGA to 1024 x 768  |   | to 60 Hz  | )   |  |
| Memory - std / max<br>Mem - sockets empty<br>Mem - options available   | 4 MB / 20 MB 70 ns / non-<br>1 socket<br>4, 8, 16 MB IC DRAM  | parity / 5 volt   | Memory upgraded<br>1 open socket for<br>memory card for 2                         | IC DRAM   |   |  |
| Keyboard / # of keys<br>Fn key functions<br>Keyboard slope<br>Mouse/pointing<br>Ext keyboard support                         | Full size alp/num / 85 keys 7 (in any appl) None TrackPoint III™ (no drag lo Yes (with optional cable)                        |   |   |   | PREINSTALLED APPLICATIONS - IBM PC DOS 7.0  |  |
| Dimensions<br>Cubic inches<br>Color<br>Weight (with battery)   | 11.7 x 8.3 x 1.9"<br>184 inches<br>Black<br>5.2 pounds  | 11.7 x 8.3 x 2.0"<br>194 inches<br>Black<br>5.5 pounds                              |   |   | - Windows 3.11 - IBM PC Card Director for PCMCIA - IBM ThinkPad Demo - ThinkPad features; Diskette Factory 1. Lotus® cc:Mail, for the IBM Global® |  |
| Battery - type<br>Batt - life (per battery)<br>Charge time - on / off  | Nickel hydride (NiMH) / non<br>2.5 to 5 hours<br>2 hrs / 1.5 hr   | i-intelligent   | Fn key functions: - Fuel guage (batter) - Standby mode                            | ery)  | network, 2. Lotus Organizer 1.12 3. Lotus ScreenCam 1.0,  |  |
| Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports                                       | AT bus (ISA) None None 1 Type I or 1 Type II or 1 Tyes (one 9 pin) 16550A / Y   |   | - Suspend mode - Audio volume - LCD or CRT or b - Power managem - Hibernation mod | nent mod  | 4. Triton CoSession™ Host, 5. PRODIGY®, 6. SofNet FaxWorks™ 3.0 7. AlphaNet™ FollowFax™ 8. Sedona REPRINT™ 9. Video for Windows™ 1.1 Runtime      |  |
| Other features Audio support Security  | APM-aware BIOS / Selecta<br>AC adapter, 35 watts, world<br>Audio beep only<br>Power-on password<br>Locking device keyhole (Ke | dwide, 3 pin, not wallı   |   |   | J. VIGOTOL WINDOWS 1.1 IXUITINE   |  |
| Preinstalled software<br>Warranty<br>Warranty options  | IBM DOS 7.0, Windows™ 3<br>1 year - ThinkPad EasySer<br>None  |   | ted to right:   |   |   |  |
| The ThinkPad 345 fam   | nily has the same   | Options for 345:  |   |   | FEATURES OF 345 FAMILY  |  |

#### The ThinkPad 345 family has the same physical design as the ThinkPad 340

PC Card Director™ (EasyPlaying) is preinstalled and on the utility diskette for DOS, Windows and OS/2. It provides:

- automatic config of many PCMCIA cards;
- visual/audible confirmation of insertion/ removal of cards;
- ability to automatically launch an appl (e.g. async emulation) when card inserted;
- status and info on PCMCIA cards installed.

Easy-Setup is entered by holding F1 when turning on. Easy-Setup, BIOS, and diagnostics are located in flash memory.

Hard disk and diskette drive are not removable. Keyboard does not lift up.

- 92G7232 4 MB IC DRAM 70 ns Parity - 8 MB IC DRAM 70 ns Parity 92G7233
- 6 MB IC DRAM 70 ns Parity 92G7233 4 MB IC DRAM 70 ns non-Parity 92G7236 8 MB IC DRAM 70 ns non-Parity 92G7237 16 MB IC DRAM 70 ns non-Parity 92G7424
- NiMH Battery Pack (Worldwide) 85G7637 NIMH Battery Pack (Worldwide) 85G7637 NiMH Battery Pack (Japan) 95G7638 NiMH Battery Pack (EMEA) 85G7605 35 watt AC Adapter (Worldwide) 85G6680 35 watt AC Adapter (Japan) 85G6682 35 watt AC Adapter (EMEA) 85G6683

IC DRAM parity memory from the above options will work but without parity

#### FEATURES OF 345 FAMILY

3 power saving modes: standby, suspend, and hibernation

Personalized nameplate in molded indentation Battery life indicator

Non-disruptive battery exchange US EPA Energy Star compliant

#### **HELPWARE**

International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM or dealer warranty/service Online Housecall (remote diagnostics) 30 day money back guarantee

ThinkPad EasyServ™: customer calls 1-800-565-3344 in Canada, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is

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#### III ThinkPad 350, 350C, 500, 510Cs - withdrawn

| IBM® ThinkPad®:  | <b>≈ 350</b>  | ≈ 350C  | <b>≈500</b>   |   | ≫510Cs   |  |
|--|---|---|---|---|--|--|
|  | monochrome  | passive color   | sub-notebook  | (   | color sub-notebook   |  |
| Processor type<br>Processor speed<br>Memory cache<br>Coprocessor socket<br>Diskette drive  | All: 80486 SL (no math<br>All: 25 MHz<br>All: 8 KB internal (no L2<br>All: No<br>All: 3.5" 1.44 MB                | ,   | 80486 SLC2<br>50/25 MHz<br>16 KB interna<br>No<br>External 3.5'   | ,   | Blue Lightning 486<br>50/25 MHz<br>16 KB internal (no L2<br>No<br>External 3.5" 1.44 M                       | 2 cache)   |
| Price (retail USD) Type - model Hard drive - size Hard drive - speed Avail / withdrawal date   | \$1,499<br>2618-J0A<br>125 MB<br>15 ms<br>June 93 / withd Sep 94  | \$1,599 \( \) \$1,999 \( \) 2618-N0A 2618-P0A 250 MB 15 ms 12 ms June 93 / withd Sep 94   | 2603-08N 2<br>85 MB 1   | <b>70 MB</b><br>5 ms                      | \$1,799 <b>\( \)</b> 2604-C2U <b>200 MB</b> 17 ms June 94 / w May 95   | Fn+F2 = Fuelguage<br>Fn+F3 = Setup<br>Fn+F4 = Suspend<br>Fn+F5 = Speaker<br>Fn+F6 = Sysrequest   |
| Display - type Display - grey scales Display - techology Display - light source Display - size (diag) Display - contrast ratio 180 degree display tilt | VGA mono<br>64 grey scales<br>STN<br>LCD - Backlit<br>9.5 inch<br>18 to 1<br>Yes (external SVGA)                  | VGA color<br>256 colors 640 x 480<br>STN - passive matrix<br>LCD - Backlit<br>9.2 inch<br>13 to 1; Single scan<br>Yes (external SVGA)   | VGA mono<br>64 grey scale<br>STN<br>LCD - backlit<br>7.24 inch<br>18 to 1<br>Yes (externa   |   | STN - passive matrix<br>LCD - backlit  | Fn+F7 = CRT/LCD<br>) Fn+F8 = Rev video<br>x Fn+F9 = Num Lock<br>Fn+F10= Scroll Lock<br>Fn+F11= Print Scrn<br>Fn+F12= Hibernation<br>A) |
| Graphics - controller<br>Graphics - vendor<br>Graphics - arch/data path  | All: Chips & Tecnologie   |   | WD90C26<br>Western Digit<br>ISA 16 bit  | tal                                       | WD90C24A2 / 1 MB<br>Western Digital<br>VL-Bus / VESA 32 b  |  |
| Memory - std / max<br>Mem - sockets empty<br>Mem - options available   | All: 4 / 20 MB 80 ns<br>All: 1 socket (non-pari<br>All: 4, 8, 16 MB SIMMs   |   | 4 / 12 MB 80<br>1 socket (no<br>4, 8 MB ICs (   | on-parity)                                | 4 / 20 MB 80 ns<br>1 socket (non-parity<br>4, 8, 16 MB ICs (3.3)   |  |
| Keyboard / # of keys Fn key functions Keyboard slope Mouse/pointing Ext keyboard support   | All: Full size alp/num/ 8 All: 2 (in any appl) All: Yes (back panel) All: TrackPoint II™ All: Yes (with opt cable | size alp/num/ 85 above keyboard on any appl) Fn+F1= Configuration of the back panel |   | /num/ 81<br>pl)                           | 90% size alp/num/ 8<br>15 (in any appl)<br>No<br><b>TrackPoint II</b><br>Yes (on MultiPort)                  | 1  |
| Dimensions Cubic inches Carrying case Color Weight (with battery)  | 11.7 x 8.3 x 1.9"<br>184 inches<br>Many options<br>Black<br>5.2 pounds  | 11.7 x 8.3 x 2.0"<br>194 inches<br>Many options<br>Black<br>5.8 pounds  | 10.1 x 7.2 x 1<br>116 inches<br>Many options<br>Black<br>3.4 pounds / 3   | 3   | Many options   | Fn+Q=Inc brightness<br>Fn+A=Dec brightness<br>Fn+W=Inc contrast<br>Fn+S=Dec contrast   |
| Battery - type<br>Batt - life (per battery)<br>Charge time - on / off  | Nickel hydride (NiMH)<br>2.7 to 9 hours<br>2 hrs / 1 hr   | Nickel hydride (NiMH)<br>2 to 7.5 hours<br>2 hrs / 1 hr   | Nickel hydrid<br>3.5 to 9 hours<br>3 hrs / 1.5 hrs  | 3 '                                       | Nickel hydride (NiMl<br>2.5 to 8 hours<br>2.5 hrs / 1.5 hrs  | H) Enter Setup by<br>CTRL+ALT+F3<br>from DOS prompt  |
| Architecture Docking Station Port replicator Modem/serial slot PCMCIA 2.01 slots Visible LEDs - closed Serial / parallel ports                         | All: AT bus (ISA) All: No All: No All: Modem only All: 1 Type I or 1 Type II All: Yes                             |   | AT bus (ISA) No (withdrawn 500 No had sealed lead No acid battery) 1 Type I or 1 Type II Yes Yes (cable) / Yes (EPP)  AT bus (ISA) No Yes (MultiPort ships standard) No 1 Type I or 1 Type II Yes Yes (MultiPort) / Yes (EPP) |   | ,<br>I   |  |
| APM-aware BIOS<br>Other features   | All: APM-aware BIOS All: Wallmount AC adapter   |   | APM-aware E   | BIOS                                      | APM-aware BIOS<br>Microsaver™ securit  | v connector  |
| Preinstalled software  | All: Personalized nameplate in indentation All: Coupon book with \$4,000 in savings All: IBM DOS 5.02, PRODIGY®   |   | Hibernation m<br>Personalized<br>Coupon book<br>IBM DOS 6.1<br>After July 1 o<br>17N: see b   | nameplate<br>w/sav<br>,PRODIGY<br>only on | Hibernation mode<br>Personalized namep<br>Personal greeting so<br>IBM DOS 6.3, Windo<br>Demo, and 8 appls li | plate in indentation<br>creen at startup<br>ows 3.1,   |
| Warranty   | All: 1 year - carry in or   | EasyServ (opt onsite)   | 1 year - carry<br>EasyServ (o   | in or                                     | 1 year - carry in or<br>EasyServ (optional   | onsite for \$40 a year)  |

#### FEATURES OF 500 and 510Cs

500: External cable has 2 connectors for serial port and external diskette drive510: External cable has 1 connector for external diskette drive (serial port on

MultiPort).

**MultiPort:** A port replicator with connectors for diskette drive, external display, mouse/ keyboard, and serial device (ships with 510Cs). Plugs into 160 pin connector on back.

3 power saving modes: doze, suspend, hibernation

Batteries in 500 and 510Cs are NOT compatible

## SOFTWARE PREINSTALLED ON 500-17N (after July 1, 1994) and 510Cs

IBM DOS 6.3, Windows 3.1, Demo, and 8 appls:

① Lotus cc:Mail, ② Lotus Organizer 1.12, ③ Lotus ScreenCam 1.0, ④ Official Airline Guide Flight Disk 1.0, ⑤ Triton CoSession Host, ⑥ PRODIGY, ⑦ America Online,

® SofNet FaxWorks 3.0

EasyPlaying (PC Card Director™) is preloaded and on the utility diskette for DOS, Windows and OS/2; it provides status and info on PCMCIA cards installed. In Windows and OS/2, it can register an appl for PCMCIA cards and execute them automatically. Auto Configurator and Memory Device Driver enables supported PCMCIA cards by sensing them automatically (so do not need to install their device drivers).

#### **FEATURES OF ALL PRODUCTS**

Suspend/resume mode; battery life indicator Non-disruptive battery exchange Simultaneous LCD and external CRT US EPA Energy Star compliant International travelers warranty IBM or dealer warranty/service 30 day money back guarantee 24 hour / 7 day fax support 24 hour / 7 day bulletin board support 24 hour / 7 day telephone support at 1-800-772-2227

ThinkPad 500 memory (4, 8 MB IC 3.3 volt) is compatible with ThinkPad 510Cs.

ThinkPad 510Cs MultiPort is NOT compatible with ThinkPad 500.

#### **運** ThinkPad 355 - withdrawn

| IBM <sup>®</sup> ThinkPad <sup>®</sup> :   | 355<br>monochrome   | 355Cs<br>dual scan co   | olor                                      | 355C<br>TFT cold  | or   |   |  |
|--|---|---|---|---|--|---|--|
| Processor type Processor speed Memory cache Coprocessor socket Removable diskette  | All: 80486 SX (no math cop<br>All: 33MHz 3.3 volt (SL Ei<br>All: 8KB internal (no L2 ca<br>All: No<br>All: 3.5" 1.44MB O                                | orocessor)<br>nhanced)  | 5001                                      | 11 1 6016   | ,,   | ALL 355 MODELS Liftable (pop-up) keyboards  |  |
| Price (retail USD)<br>Type - model<br>Removable disk - size<br>Hard drive - speed<br>Available date  | \$1,899<br>2619-115<br><b>125MB 1</b><br>15ms <b>1</b><br>June 94   | \$2,599<br>2619-K20<br><b>170MB</b> 15ms O<br>June 94   | 2619-K20                                  |   |  | and remove: ① diskette drive ② disk ③ battery ④ memory  |  |
| Display - type Display - grey scales Display - techology Display - light source Display - size (diag) Display - contrast ratio 180 degree display tilt Graphics - controller   | VGA mono 64 grey scales 640 x 480 STN LCD - Backlit 9.5 inch 18 to 1 Yes  All: WD90C24A2 with 1ME   | VGA mono         VGA color           64 grey scales 640 x 480         256 colors 640 x 480           STN         STN - passive matrix           LCD - Backlit         LCD - Backlit           9.5 inch         9.5 inch           18 to 1         20 to 1           Yes         Yes |   |   | lor<br>rs 640 x 480<br>tive matrix<br>acklit   |   |  |
| Graphics - vendor<br>Graph - arch/data path<br>Memory - std / max<br>Mem - sockets empty   | All: Western Digital / Extern All: VL-Bus / 32-bit VESA I All: 4 / 20MB 70ns All: 1 socket (non-parity) All: 4, 8, 16MB ICs (5.0 vol                    | nal SVGA to 1024<br>ocal bus / Simulta  | ex768 with 256 color<br>Ineous LCD and CR | rs<br>RT  | reduce weight, @ (CDPD), @ (3550 (on screen TV/VC other third party o                    | n be removed ⊕ to to to insert cellular modem Conly) to insert TV Tuner CR playback), or ⊕ to adoptions.                          |  |
| Keyboard / # of keys<br>Fn key functions<br>Keyboard slope<br>Mouse/pointing<br>Ext keyboard support   | All: Full size alp/num/ 85 All: 10 (in any appl) All: Yes (legs pop out) All: TrackPoint II™ All: Yes (with optional cable                              | Fn + F2 = Fuel guage Fn + Fn + F3 = Standby Fn + Fn + F4 = Suspend Fn + Fn + F5 = Audio off/down Fn +   |   |   |  | Ext display/LCD Reverse video (mono) Hi-intensity text (mono) Power mgmt Hibernation mode   |  |
| Dimensions Cubic inches Carrying case Color Weight (with battery)  | 11.7 x 8.3 x 1.7"<br>165 inches<br>Many options<br>Black<br>5.6 pounds  | 194 inches<br>Many options I<br>Black I   |   |   | I.7 x 8.3 x 1.9"<br>35 inches<br>any options<br>ack<br>1 pounds                          |   |  |
| Battery - type Batt - life (per battery) Charge time - on / off  | Nickel hydride<br>4.6 to 10 hours<br>2 hrs / 1.5 hr   | Nickel hydride N 3 to 7 hours 3   |   |   | /dride<br>nours<br>5 hr  |   |  |
| Architecture Docking Station Port replicator Data/fax modem PCMCIA 2.01 slots Serial / parallel ports  | All: AT bus (ISA) All: No All: No All: 2400 data / 4800 receive fax / 9600 send fax All: 1 Type I or 1 Type II or 1 Type III All: Yes (one 9 pin) / Yes |   |   | 8<br>1<br>1   | and 755) is optional. T<br>is lower cost, easy to o<br>switch control is requi           | standard in ThinkPad 75<br>The ThinkPad 355 batter<br>use because no storage<br>red, and shows % of<br>pared to hours of remainin |  |
| Other features Security  | All: APM-aware BIOS / Sel<br>All: Wallmount AC adapter<br>All: Hibernation mode sa<br>All: Power-on password / h  | without powercon  | sk and shuts off syst                     | tem   |  | otional Security Base   |  |
| Preinstalled software  | All: MS DOS 6.21, Window<br>① Works for Windows,<br>③ ThinkPad Index, ④ C   | ② ThinkPad Fitne  | ess,                                      | •   |  | ·   |  |
| Warranty   | <ul><li>⑤ Triton CoSessions™</li><li>All: 1 year - carry in to reta</li></ul>   |   |   |   | ofNet FaxWorks™ 3.0  | )   |  |
| 755. EasyPlaying (PC Card preinstalled and on the  | ily has the same ThinkPad 360, 750, and Director™) is utility diskette for DOS,   | Compatible in all 355, 360, 750, and 755 family: - Hard disks (170, 250, 340, 540, 810MB) - 1.44MB diskette drive - CDPD Mobile Communications Module - Keyboard/mouse connector  |   |   | 3 power saving mode<br>and hibernation<br>Personalized namep<br>External VGA is ISO      | es: standby, suspend,<br>plate in molded indentation<br>capable (75Hz)<br>170MB, 250MB, 340MB,                                    |  |
| Vindows and OS/2; it provides status and infon PCMCIA cards installed. In Windows and OS/2, it can register an appl for PCMCIA cards not execute them automatically. Auto configurator and Memory Device Driver nables supported PCMCIA cards by sensing nem automatically (so do not need to install neir device drivers). This utility ships with hinkPads 355, 360, 510Cs, and 755 family.  ThinkPad 750 and 755 options compatible ONLY in ThinkPad 35C: |   |   | 355<br>I 510Cs                            | 540MB, 810MB (al<br>Battery life indicator<br>Non-disruptive batter<br>US EPA Energy Star<br>IBM or retailer warr<br>30 day money back<br>24 hour / 7 day fax se<br>24 hour / 7 day teller<br>1-800-7772-2227 | ry exchange<br>r compliant<br>anty/service<br>guarantee<br>support<br>etin board support |   |  |
|  | o, BIOS, and diagnostics  | compatible ONLY<br>TV tuner   | in ThinkPad 355C:                         |   | 1 000-1112-2221  |   |  |

| IBM® ThinkPad®:  | <b>≈ 360</b>  | ≫360Cs   | ×360C  | ×360P   | ★ Traveling Multimedia   |  |  |  |
|--|---|--|--|---|--|--|--|--|
|  | monochrome  | dual scan color  | TFT color  | color pen   | preconfigured system   |  |  |  |
| Processor type Processor speed Memory cache Coprocessor socket Removable diskette  | All: 80486 SX (no math<br>All: 33 MHz 3.3 volt (\$<br>All: 8 KB internal (no L<br>All: No<br>All: 3.5" 1.44 MB ①              | A preconfigured,<br>multimedia 360Cs;<br>Available June 94;<br>Withdrawn May 1995<br>Part #2337290                               |  |   |  |  |  |  |
| Price (retail USD) Type - model Removable disk - size Hard drive - speed Available date  | \$1,899 \$2,299<br>2620-00D 2620-00F<br><b>170 MB 340 MB 1</b><br>15 ms  14 ms  May 94 / withd May 95                         | \$2,349 \$2,749<br>2620-20D 2620-20F<br><b>170 MB  340 MB  1</b><br>15 ms  14 ms  0  | 15 ms O 14 ms O  | \$2,899 \$3,399<br>2620-50D 2620-50F<br><b>170 MB  340 MB  1</b><br>15 ms  14 ms  3<br>June 94 / withd Dec 95             | \$5,299<br>Included with the IBM<br>Traveling Multimedia:<br>Hardware:   |  |  |  |
| Display - type Display - grey scales Display - techology Display - light source Display - size (diag) Display - contrast ratio 180 degree display tilt   | VGA mono<br>64 grey scales 640 x 480<br>STN<br>LCD - Backlit<br>9.5 inch<br>18 to 1<br>Yes                                    | VGA color<br>256 colors 640 x 480<br>STN - passive matrix<br>LCD - Backlit<br>9.5 inch <b>Dual scan</b><br>20 to 1<br>Yes        | VGA color<br>256 colors 640 x 480<br>TFT - active matrix<br>LCD - Backlit<br>8.4 inch<br>100 to 1<br>Yes | VGA color<br>256 colors 640 x 480<br>STN - passive matrix<br>LCD - Backlit<br>9.5 inch <b>Dual scan</b><br>18 to 1<br>Yes | - 360Cs (all features<br>listed on left)<br>- 16 bit Mwave® audio<br>chip on adapter card<br>- Stereo in/out jacks<br>- 340 MB removable<br>hard disk<br>- 8 MB memory (4 MB |  |  |  |
| Graphics - controller<br>Graphics - vendor<br>Graph - arch/data path   |   | MB DRAM / Graphics \ kternal SVGA to 1024 x GA local bus / Simultane   | 768 with 256 colors  | Incudes untethered stylus to write on pen-enabled screen  | std + 4 MB IC DRAM) - 14.4 Data/Fax modem (PCMCIA)   |  |  |  |
| Memory - std / max<br>Mem - sockets empty<br>Mem - options available   | All: 4 / 20 MB 70 ns<br>All: 1 socket (non-par<br>All: 4, 8, 16 MB ICs (5.0   | ity) cellular modem<br>O volts) screen TV/VCR  |  | to insert TV Tuner (on the third party options.   | - Dock I (Docking Station) - CD-ROM/XA - double speed and Kodak  |  |  |  |
| Keyboard / # of keys Fn key functions Keyboard slope Mouse/pointing Ext keyboard support   | All: Full size alp/num/8 All: 10 (in any appl) All: Yes (legs pop out) All: TrackPoint II™ All: Yes (with optional of         | All: Yes (legs pop out) Fn + F4 = Suspend Fn + F9 = Hi-intensity text (mono) Fn + F5 = Audio off/down Fn + F11 = Power mgmt      |  |   |  |  |  |  |
| Dimensions Cubic inches Carrying case Color Weight (with battery)  | 11.7 x 8.3 x 1.7"<br>165 inches<br>Many options<br>Black<br>5.6 pounds  | 11.7 x 8.3 x 2.0"<br>194 inches<br>Many options<br>Black<br>6.2 pounds   | 11.7 x 8.3 x 1.9"<br>185 inches<br>Many options<br>Black<br>6.1 pounds                                   | 11.7 x 8.3 x 2.1"<br>204 inches<br>Many options<br>Black<br>6.8 pounds  | Software: - Asymetrix® COMPEL™ (on screen multimedia presentations) - Asymetrix MediaBlitz!™ (library of media clips)  |  |  |  |
| Battery - type<br>Batt - life (per battery)<br>Charge time - on / off  | Nickel hydride<br>4.6 to 10 hours<br>2 hrs / 1.5 hr   | Nickel hydride<br>3 to 7 hours<br>2 hrs / 1.5 hr   | Nickel hydride<br>3.5 to 7 hours<br>2 hrs / 1.5 hr   | Nickel hydride<br>3.3 to 7 hours<br>2 hrs / 1.5 hr  | - LapLink® V<br>- Picture Factory™<br>- TalkWorks™   |  |  |  |
| Architecture Docking Station Port replicator Modem/serial slot PCMCIA 2.01 slots Serial / parallel ports   | All: AT bus (ISA) All: Yes (Dock I and II; All: Yes (Port Replicate All: No All: 2 Type I or 2 Type All: Yes (one 9 pin) / Ye | - Sound Effects Library™<br>- ClickART™ 2000<br>ALL 360 MODELS<br>Liftable (pop-up)<br>keyboard to access<br>and remove diskette |  |   |  |  |  |  |
| Other features Security  | All: Hibernation mode   | oter without powercord versives memory to disk a   | and shuts off system   | 00 watts<br>/ PCMCIA card lock / Op   | drive, disk, battery, and memory   |  |  |  |
| Preinstalled software  All: IBM DOS 6.3, Windows 3.1, Demo, and 8 applications:  ① Lotus © cc:Mail, e-mail for Advantis® network, ② Lotus Organizer 1.12, ③ Lotus ScreenCam 1.0, ④ Official Airline Guide Flight Disk® 1.0, ⑤ Triton CoSessions™ Host, ⑥ PRODIGY®, ⑦ America Online™, ⑥ SofNet FaxWorks™ 3.0  Warranty  All: 1 year - carry in or EasyServ (optional onsite for \$40) / International travelers warranty |   |  |  |   |  |  |  |  |
| The Think Ded 200 fem  |   | Compatible in all 360  | •  | FEATURES OF SOO   |  |  |  |  |

The ThinkPad 360 family has the same physical design as the ThinkPad 750 and 755.

EasyPlaying (PC Card Director™) is preinstalled and on the utility diskette for DOS. Windows and OS/2; it provides status and info on PCMCIA cards installed. In Windows and OS/2, it can register an appl for PCMCIA cards and execute them automatically. Auto Configurator and Memory Device Driver enables supported PCMCIA cards by sensing them automatically (so do not need to install their device drivers). This utility ships with ThinkPads 360, 510Cs, and 755 family.

Easy-Setup is entered by holding F1 when turning on. Easy-Setup, BIOS, and diagnostics are located in Flash memory.

Compatible in all 360, 750, and 755 family:

- Hard disks (170, 250, 340, 540, 810 MB)
- 1.44 MB diskette drive
- Dock I and Dock II
- Port Replicator I and Port Replicator II
- CDPD Mobile Module (not pen models)
- FDD (diskette) External Attachment kit
- Keyboard/mouse connector
- 360 battery does not work in ThinkPad 750/ 755, but 750/755 battery will work in 360
- Quick Charger
- AC Adapter

Memory from ThinkPad 350, 500, and 510Cs is NOT compatible in 360. IC Memory from ThinkPad 700, 720, 750, and 755 will work but without parity.

ThinkPad 750 and 755 options compatible ONLY in ThinkPad 360C: - TV tuner and AD card

#### **FEATURES OF 360 FAMILY**

3 power saving modes: standby, suspend, and hibernation

Personalized nameplate in molded indentation External VGA is ISO capable (75 Hz)

Upgradeable disks: 170 MB, 250 MB, 340MB,

540 MB, 810 MB (all 2.5 inch) Battery life indicator

Non-disruptive battery exchange US EPA Energy Star compliant

International travelers warranty IBM or dealer warranty/service

30 day money back guarantee

24 hour / 7 day fax support 24 hour / 7 day bulletin board support

24 hour / 7 day telephone support at 1-800-772-2227

Winstone 94 for 360C = 26.4

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. STN = Super twisted nematic; □ = Upgradeable; ○ = Removable

All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (360THINK) Compiled by Roger Dodson, IBM. December 1995

#### III ThinkPad 360CSE / CE - withdrawn

| IBM <sup>®</sup> ThinkPad <sup>®</sup> :  | ≈ 360CSE<br>dual scan col  | lor                           |  | <b>×360CE</b><br>TFT color                                  |            |                            | Th   |  | CSE / CE is   | the same as the   |
|---|--|-------------------------------|--|---|------------|----------------------------|--|--|---|---|
| Processor type  | 80486 DX2  |                               |  |   |            | 3(                         | 60   | J (Oldel Illode  | 360CSE / CE   |   |
| Processor speed<br>Memory cache<br>Coprocessor socket<br>Removable diskette<br>Removable CD-ROM   | 50/25 MHz<br>8 KB internal<br>Integrated in  |                               |  | 3 diskette  |            | 486S<br>No m               | o, Dual<br>SX - 33<br>nath co              | l scan<br>MHz<br>p pos   | , TFT, Pen<br>sible<br>models                                       | Dual scan, TFT<br>486DX2 - 50/25 MHz<br>Integrated math cop<br>170, 340, 540 MB std<br>More preloaded appls |
| Price (retail USD) Type - model Removable disk - size Hard drive - speed Available date Display - type  | \$ 2,399 *\u00e4<br>2620-80D<br>170 MB \u00e4<br>14 ms \u00a3<br>Oct 94 / without  | drawn Dec 95                  | \$ 3,049 <b>\( \)</b> 2620-80G <b>540 MB</b> \( \) 14 ms \( \) | \$2,799<br>2620-90D<br>170 MB 14 ms O<br>Oct 94 / with      | drawn De   | F 2<br>D 5<br>O 1<br>ec 95 | 3,449<br>2620-96<br><b>540 ME</b><br>14 ms | 0G<br>3 🔲  | Liftable (  | L 360 MODELS<br>(pop-up) keyboard to<br>nd remove diskette<br>sk, battery, and                              |
| Display - colors<br>Display - techology<br>Display - size (diag)<br>Display - contrast ratio<br>180 degree display tilt                             | 256 simultan<br>Dual scan -<br>9.5 inch<br>20 to 1<br>Yes  | eous colors<br>passive matrix |  | 256 simultan<br>TFT - active<br>8.4 inch<br>100 to 1<br>Yes | eous colo  |                            |  | exter<br>Kit' (ii<br>to the  | nally via the oncludes cable  | tette drive can be used optional 'FDD External e and enclosure; \$135) ator Model I and II and              |
| Graphics - controller<br>Graphics - vendor<br>Graph - arch/data path  | Western Dig<br>VL-Bus local  | bus / 32 bit / \$             | SVGA to 1024 x<br>Simultaneous LO                              |   | colors (up | to 75                      | Hz)  | Diskette drive can be removed ① to reduce weight ② to insert cellular modem (CDPD) ③ to insert TV Tuner (for on screen TV and VCR playback) ④ to insert 2.88 MB diskette ⑤ to add other third party options  PREINSTALLED APPLICATIONS  - IBM PC DOS 6.3 - Windows 3.11 - IBM PC Card Director for PCMCIA - IBM ThinkPad Demo - Online Users Guide - ThinkPad features 1. Lotus® cc:Mail, e-mail for Advantis® |   |   |
| Memory - std / max<br>Mem - sockets empty<br>Mem - options available  | 1 socket<br>4, 8, 16 MB I  | Cs                            | -parity / 5.0 volt   |   |            |                            |  |  |   |   |
| Keyboard / # of keys Fn key functions Keyboard slope Mouse/pointing Ext keyboard support  | Full size alp/<br>8 (in any app<br>Yes (legs por<br>TrackPoint I<br>Yes (with opt  | p out)<br>II™                 |  |   |            |                            |  |  |   |   |
| Dimensions<br>Cubic inches<br>Color<br>Weight (with battery)  | 11.7 x 8.3 x 2<br>194 inches<br>Black<br>6.2 pounds  | 2.0"                          |  | 11.7 x 8.3 x 185 inches<br>Black<br>6.1 pounds              | 1.9"       |                            |  |  |   |   |
| Battery - type<br>Batt - life (per battery)<br>Charge time - on / off   | Nickel hydrid<br>2.9 to 7 hours<br>2 hrs / 1.5 hr  | s `´´                         |  | Nickel hydric<br>3.2 to 7 hour<br>2 hrs / 1.5 hr            | s ` ´      |                            |  | 2. L   | etwork,<br>otus Organiz   | er 1.12,  |
| Architecture Docking Station Port replicator Modem/serial slot PCMCIA™ 2.1 slots Serial / parallel ports  | AT bus (ISA) Dock I and II Port Replicator I and II No 2 Type I or 2 Type II or 1 Type III Yes (one 9 pin) 16550B / Yes (EPP)  |                               |  |   |            |                            |  | 4. C<br>5. T<br>6. P<br>7. A   | riton CoSess<br>RODIGY <sup>®,</sup><br>merica Onlin<br>ofNet FaxWo | Guide Élight Disk <sup>®</sup> 1.0,<br>sion™ Host,<br>e <sup>sм</sup> ,                                     |
| Other features Security   | APM-aware BIOS / Selectable boot Some models will have Wallmount AC adapter without powercord with retractable prongs, 30 watts Hibernation mode saves memory to disk and shuts off system Power-on password / Hard disk password / Hardware security loop / PCMCIA card lock / Optional Security Base |                               |  |   |            |                            | 10. S<br>11. F<br>12. A<br>13. S<br>14. C  | econd Natur<br>arallon <sup>®</sup> Rep<br>IphaNet™ Fo<br>edona REPR<br>OMPEL™ Pe  | llowFax™  |   |
| Preinstalled software Warranty  IBM DOS 6.3, Windows™ 3.11, and all appls listed to right: 1 year - carry in or EasyServ (optional onsite for \$40) |  |                               |  |   |            |                            |  |  |   |   |
| The ThinkPad 360 fami   | ly has the san   | ne                            | Compatible in a  | Il 360 family, 3  | 60CSE/     | CE,                        |  |  | FEATURES  | OF 360 FAMILY   |

physical design as the ThinkPad 750 and 755

PC Card Director™ (EasyPlaying) is preinstalled and on the utility diskette for DOS, Windows and OS/2. It provides:

- ① automatic config of many PCMCIA cards;
- visual/audible confirmation of insertion/ removal of cards:
- ability to automatically launch an appl (e.g. async emulation) when card inserted;

  status and info on PCMCIA cards installed.

Easy-Setup is entered by holding F1 when turning on. Easy-Setup, BIOS, and diagnostics are located in flash memory. 755

|  | All | All        | C/        |           |  |  |  |
|--|-----|------------|-----------|-----------|--|--|--|
| Battery compatibility:                   | 360 | <u>750</u> | <u>CS</u> | <u>CD</u> |  |  |  |
| 84G2392 360 NiMH battery                 | / Y | Ν          | Ν         | Ν         |  |  |  |
| 66G2846 750 NiMH battery                 |     | Υ          | Υ         | Ν         |  |  |  |
| 85G1513 NiMH Batt Pack                   | ΙN  | Ν          | Ν         | Υ         |  |  |  |
| Y = battery supported; N = not supported |     |            |           |           |  |  |  |

750 family, 755 family, 755CSE / CE, 755CD:
- Disks: 170 MB IDE disk 66G2849
250 MB IDE disk 84G2391 340 MB IDE disk 66G2849 540 MB IDE disk 84G2150 810 MB IDE disk 84G8250 Dock I (1 slot / 1 bay) 3450001 Dock II (2 slot / 2 bay) 84G3587 Port Replicator I (w/ PCMCIA) 66G3510 Port Replicator II 1.44 MB diskette 66G3520 std in newer

Options for 360 (not pen), 360CSE / CE, 750 (not pen), 755, 755CSE / CE: CDPD Mobile module 71G2560

2.88 MB diskette

Memory from ThinkPad 350, 500, and 510Cs is NOT compatible in 360. IC Memory from ThinkPad 700, 720, 750, and 755 will work but without parity.

66G0108

Options only for TFT models - 360C, 360CE, 750C, 755C, 755CE, 755CD - TV Tuner 66G3689

#### FEATURES OF 360 FAMILY

3 power saving modes: standby, suspend, and hibernation

Personalized nameplate in molded indentation External VGA is ISO capable (75 Hz)

Upgradeable disks: 170 MB, 250 MB, 340MB, 540 MB, 810 MB (all 2.5 inch)

Battery life indicator

Non-disruptive battery exchange US EPA Energy Star compliant

#### **HELPWARE**

1 year warranty International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM or dealer warranty/service Online Housecall (remote diagnostics) 30 day money back guarantee

#### III ThinkPad 360PE - withdrawn

| IBM <sup>®</sup> ThinkPad <sup>®</sup> :  |   |   | PE has the same features as 360CSE except:   |   |  |  |
|---|---|---|--|---|--|--|
| Processor type Processor speed Memory cache Coprocessor socket Removable diskette Removable CD-ROM          | 80486 DX2<br>50/25 MHz 3.3 volt (SL E<br>8 KB internal (no L2 cach<br>Integrated in 486DX2<br>3.5" 1.44 MB O / supports<br>None |   | <ul> <li>Display folds do</li> <li>16 bit audio cod</li> <li>Audio in and au</li> <li>PenDOS, Pen W</li> </ul>   | teryless stylus (pen)<br>lown to flat position to write on<br>dec (vs no audio) |  |  |
| Price (retail USD) Type - model Removable disk - size Hard drive - speed Avail / withdrawn date             |   | 0-BOG<br><b>MB□</b> ○<br>ns   |  |   | ALL 360 MODELS  Liftable (pop-up) keyboard to access and remove diskette drive, disk, battery, and                                       |  |
| Display - type<br>Display - colors<br>Display - techology<br>Display - size (diag)<br>Display - pen enabled |   | st ratio<br>ds flat / includes untethered   | d batteryless stylus   | Port Replicator Model I and II and Dock I                                       |  |  |
| Graphics - controller<br>Graphics - vendor<br>Graph - arch/data path  |   | MB DRAM<br>SVGA to 1024 x 768 with 25<br>Simultaneous LCD and CRT   |  |   |  |  |
| Memory - std / max<br>Mem - sockets empty<br>Mem - options available  | 4 MB / 20 MB 70 ns / noi<br>1 socket<br>4, 8, 16 MB ICs   | n-parity / 5.0 volt   |  |   |  |  |
| Keyboard / # of keys Fn key functions Keyboard slope Mouse/pointing Ext keyboard support                    | Full size alp/num / 85 key<br>8 (in any appl)<br>Yes (legs pop out)<br>TrackPoint II™<br>Yes (with optional cable)              | Memory options:  4 MB IC DRAM 70 ns 5v 8 MB IC DRAM 70 ns 5v 16 MB IC DRAM 70 ns 5v 4 MB IC DRAM 70 ns 5v | parity 92G7233<br>parity 92G7234   |   | REINSTALLED APPLICATIONS M PC DOS 6.3  |  |
| Dimensions<br>Cubic inches<br>Color<br>Weight (with battery)  | 11.7 x 8.3 x 2.1"<br>204 inches<br>Black<br>6.8 pounds  | 8 MB IC DRAM 70 ns 5v<br>16 MB IC DRAM 70 ns 5v   | non-parity 92G7237   | - Pe<br>- IB<br>- W   | enDOS <sup>®</sup> 2.2<br>M ThinkWrite 1.21<br>indows 3.11<br>indows for Pen computing <sup>®</sup> 1.0<br>M PC Card Director for PCMCIA |  |
| Battery - type<br>Batt - life (per battery)<br>Charge time - on / off                                       | Nickel hydride (NiMH)<br>3 to 7 hours<br>2 hrs / 1.5 hr   |   |  | - O   | nline Users Guide  ninkPad features  otus® cc:Mail, for the IBM Global®  |  |
| Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports                      | AT bus (ISA)<br>Dock I and II<br>Port Replicator I and II<br>2 Type I or 2 Type II or 1<br>Yes (one 9 pin) / Yes (EP            |   |  | 2. Lo<br>3. Lo<br>4. Of<br>5. Tr  | etwork<br>otus Organizer 1.12<br>otus ScreenCam 1.0<br>fficial Airline Guide Flight Disk <sup>®</sup> 1.0<br>riton CoSession™ Host       |  |
| Audio support<br>Audio in/out jack<br>Other features  | Input jack / output jack<br>APM-aware BIOS / Select<br>AC adapter, 35 watts, wor<br>Hibernation mode saves i                    | lwide, not wallmount<br>memory to disk and shuts off:   | 7. Ar<br>8. So<br>9. Ta  | econd Nature Screen Saver   |  |  |
| Preinstalled software   | unit, prevents opening key<br>IBM DOS 6.3, Windows™   | d disk password / Hardware se<br>/board) / PCMCIA card lock / 0<br>3.11, pen op systems, and al           | 11. Farallon <sup>®</sup> Replica <sup>™</sup> 12. AlphaNet <sup>™</sup> FollowFax <sup>™</sup> 13. Sedona REPRINT <sup>™</sup> 14. COMPEL <sup>™</sup> Personal Edition |   |  |  |
| Warranty Warranty options   | 1 year - ThinkPad EasySe<br>Onsite via special bid only   | erv only<br>//ThinkPad EasyServ Overn   | ight Repair Option   |   | euters <sup>s™</sup> Money <sup>®</sup> Network<br>onologue™   |  |
| The ThinkPad 360 fami physical design as the family.  PC Card Director™ (Fa                                 |   | Compatible in all 360 family, all 755 family: - Disks: 170 MB IDE 250 MB IDE                              | ,  |   | FEATURES OF 360 FAMILY saving modes: standby, suspend, pernation   |  |

PC Card Director™ (EasyPlaying) is preinstalled and on the utility diskette for DOS, Windows and OS/2. It provides:

- automatic config of many PCMCIA cards;
   visual/audible confirmation of insertion/
- removal of cards:
- ability to automatically launch an appl (e.g.
- async emulation) when card inserted;

  status and info on PCMCIA cards installed.

Easy-Setup is entered by holding F1 when turning on. Easy-Setup, BIOS, and diagnostics are located in flash memory.

#### ThinkPad 360PE supported batteries:

- 360 NiMH battery 84G2392 750 NiMH battery750 QuickCharger 66G2846 66G2843

|   | 250 MB IDE                    | 84G2391      |
|---|-------------------------------|--------------|
|   | 340 MB IDE                    | 66G2849      |
|   | 540 MB IDE                    | 84G2150      |
|   | 810 MB IDE                    | 84G8250      |
| - | Dock I (1 slot / 1 bay)       | 3545001      |
| - | Dock II (2 slot / 2 bay)      | 3546001      |
| - | Port Replicator I (w/ PCMCIA) | 66G3510      |
| - | Port Replicator II            | 66G3520      |
| - | 1.44 MB diskette              | std in newer |

#### Options for 360PE:

AC Adapter, 35 watts 85G6680 AC Adapter, 40 watts AC Adapter, 40 w, wallmount Car Battery Adapter 49G2165 84G2148 49G2167

Memory from ThinkPad 350, 500, and 510Cs is NOT compatible in 360. IC DRAM memory from ThinkPad 700, 720, 750, and 755 will work but without parity.

Personalized nameplate in molded indentation External VGA is ISO capable (75 Hz)

Upgradeable disks: 170 MB, 250 MB, 340MB, 540 MB, 810 MB (all 2.5 inch)

Battery life indicator

Non-disruptive battery exchange US EPA Energy Star compliant

#### **HELPWARE**

1 year warranty International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM or dealer warranty/service Online Housecall (remote diagnostics) 30 day money back guarantee

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. □ = Upgradeable; ○ = Removable; ≈ = Withdrawn from marketing

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#### IIIM ThinkPad 365 (non-CD-ROM models) - withdrawn

| IBM® ThinkPad®:  |   |   | <b>≈ 3</b>  |  |  | ThinkPad 365 strengths:   |                              |
|--|---|---|---|--|--|---|------------------------------|
| Processor<br>Processor upgrade<br>Memory cache<br>Diskette drive<br>CD-ROM   | Cyrix Cx486DX4™ 75/25 MHz / integrated math coprocessor None 8 KB in DX4 (write back) / no L2 cache Internal 3.5" 1.44 MB (not removeable)  Extensive software pre Infrared port  Optional Port Replicat                        |   |   |  |  | <ul> <li>Entry-priced notebook</li> <li>Extensive software preload</li> <li>Infrared port</li> <li>Optional Port Replicator with b charger and palm rest</li> </ul>   | attery                       |
| Display - diagonal size<br>Display - type<br>Display - colors<br>Display - contrast<br>Graphics - controller<br>Graphics - memory<br>Graphics - external<br>Graph - arch/data path | SelSys Win 95 Sel 340 MB 340 MB 540 13 ms / EIDE 13 Nov 1995 / Jun 96 Nov 10.4" Dual scan VGA color / 640 x 480 256 simultaneous color 30 to 1 Chips and Technologie 512 KB DRAM External SVGA to 1024 VL-Bus 2.0 local bus / 3 | 5712 41H8661<br>Sys MB 540 MB<br>ms / EIDE<br>1995 / Jun 96<br>5<br>5 5 1 65545<br>x 768 w/ 256 cc<br>2 bit / Simultan            | Sele<br>540 I<br>13 m<br>Nov<br>10.4 VGA<br>262,<br>100 I<br>Chip<br>1 ME<br>colors ( | or14 ctaSystem MB ss / EIDE 95 / Jun 96 ' Black Matrix color / 640 x 144 simultane to 1 s and Technol B DRAM up to 70 Hz LCD and CRT | eous colors<br>ogies 65545                               | SELECTASYSTEM PRELOA  - IBM DOS 7.0  - Windows 3.11  - OS/2® Warp 3.0 (dual boot) with selected BonusPak applications  - IBM PC Card Director™ 1.4  - IBM ThinkPad Demo  - Online Users Guide  - ThinkPad features; Diskette Fa  1. Lotus® cc:Mail™, e-mail for IBM Network  2. Lotus Organizer™  3. Lotus ScreenCam™  4. Triton CoSession™ Host  5. PRODIGY® | ctory                        |
| Memory - std / max<br>Memory - upgrade<br>Keyboard / # of keys<br>Keyboard slope<br>Pointing<br>Ext keyboard support   | 8 MB / 24 MB 70 ns / 1<br>1 socket for one JEDEC<br>Full size alp/num / 85 (<br>Yes (legs pop out)<br>TrackPoint III™<br>Yes (with option cable of  | C 72 pin SO DIN<br>B Fn key function  | access and remove battery (and upgrade memory and                                     |  |  | 6. SofNet FaxWorks™ 7. Video For Windows™ Runtime 8. Puma TranXit™ 9. Compuserv for Windows 10. NetFinity for Windows and OS/2  | 2                            |
| Dimensions (cubic in)<br>Weight (with battery)<br>Battery - type<br>Battery - life<br>Charge time - on / off   | 11.7 x 8.3 x 2.0" (194 c<br>5.9 pounds<br>NiMH/non-intelligent<br>3 to 9 hours<br>6 hrs / 2 hrs   | ubic inches)  |   | removable<br>ounds   |  | <ul> <li>WINDOWS 95 PRELOAD</li> <li>Microsoft Windows 95</li> <li>IBM ThinkPad Demo</li> <li>Online Users Guide</li> </ul>   |                              |
| Architecture  Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features   | ISA (audio, PCMCIA, d<br>VL-Bus 2.0 / 32 bit / 25<br>None<br>Port Replicator and Cha<br>2 Type I or 2 Type II or<br>One 9 pin; 16550A / on  | MHz (graphics)<br>arger (with built<br>1 Type III<br>e (IEEE P1284,   | er (with built-in battery charger and palm rest)                                      |  |  | <ul> <li>ThinkPad features; Diskette Fad</li> <li>Lotus<sup>®</sup> cc:Mail<sup>™</sup>, e-mail for IBM network</li> <li>Lotus Organizer<sup>™</sup></li> <li>Lotus ScreenCam<sup>™</sup></li> <li>Triton CoSession<sup>™</sup> Host</li> <li>PRODIGY<sup>®</sup></li> <li>SofNet FaxWorks<sup>™</sup></li> </ul>   | ctory<br>Global <sup>®</sup> |
| MPEG decoder<br>Data/fax modem<br>Audio support<br>Audio in/out jacks<br>Infrared ports  | None<br>None<br>None<br>None<br>Infrared port in back/  | IrDA 1.0 comp   | atible  | e / up to 115 K  | bps  | 7. Puma TranXit™ 8. Compuserve for Windows  |                              |
| Security   | Power-on password / S<br>(Kensington™ MicroSa   | on password / Supervisor password / Locking device keyhole<br>gton™ MicroSaver™ cable lock) / keyboard lock (requires Kensington) |   |  |  |   |                              |
| Preinstalled software<br>Warranty  | Choice of two preloaded configurations (listed to right)  1 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in   |   |   |  |  |   |                              |
| optional second batte  | battery charger for an  | - 16 MB SC  | DIMN<br>DIMN  | 13.3v non-parit<br>13.3v non-parit   | y 72 pin 92G7287<br>y 72 pin 92G7293<br>) Mode 3 38H6306 | Bish is not somewhat (like 755/700)   |                              |

replication.

The Port Replicator can charge a battery whether or not a ThinkPad is connected to it. When the ThinkPad is attached to the Port Replicator, it will attempt to recharge the battery in ThinkPad first (if there is one) before charging the battery in the Port Replicator.

Port Replicator and Charger connectors:

- Serial (RS-232, 9 pin) Parallel (EPP, ECP, 25 pin)
- External display (15 pin)
- Keyboard
- Mouse
- Diskette drive (26 pin) Game with MIDI support (15 pin)
- Audio in (3.5 mm)
- Audio out (3.5 mm)
- DC input connector

Spare battery connector (to charge 2nd battery)

- 810 MB EIDE HDD 13 ms PIO Mode 442H4012
- 1.08 GB EIDE HDD 13 ms Mode 4 69H7956
- Port Replicator and Charger 38H6303
- NiMH Battery Pack 38H6304
- Setup is entered by Ctrl + Alt + F11 from any

full-screen DOS prompt

Fn + F2 = Battery guage

Fn + F3 = Standby

Fn + F4 = Suspend

Fn + F7 = LCD/CRT/Simultaneous

Fn + F8 = Reverse video

Fn + F11 = Powermgmt

Fn + F12 = Hibernation

PgUp = Speaker enable PgDn = Speaker disable

System enters hibernation mode when keyboard is lifted up.

Disk is not removable (like 755/760 systems), but it can be upgraded via tools

#### FEATURES OF 365 MODELS

Product Map LED indicator panel Plug and Play 1.0a Non-disruptive battery exchange Doze, standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM or dealer warranty/service Online Housecall (remote diagnostics) 30 day money back guarantee

#### III ThinkPad 365 (CD-ROM models) - withdrawn

| IBM® ThinkPad®:  |  |   | <b>≈ 36</b>   |  |   | TI  | hinkPad 365 (CD-ROM models) strengths  |
|--|--|---|---|--|---|---|--|
|  | 10.4" dual scan - C  |   |   | TFT - CD-RC  |   | ی ا   | Entry-priced CD-ROM notebook   |
| Processor<br>Processor upgrade   | None   | · ·   | 5/25 MHz / integrated math coprocessor  |  |   | •   | Integrated audio, microphone, speaker<br>Simultaneous external diskette  |
| Memory cache Diskette (not internal) CD-ROM (not remove)   | External 3.5" 1.44 M   |   | of systen   |  | aneously w/ CD-ROM<br>nt loaded / ATAPI | •   | Joystick/MIDI port Infrared port   |
| Price Type - model all 2625 Part number Preload (see side) Disk - capacity Disk - ms / interface Avail / withdrawn date Display - diagonal size Display - type Display - color Display - contrast Graphics - controller Graphics - external Graph - arch/data path Memory - std / max Mem - upgrade Keyboard / # of keys Keyboard slope Pointing | 38H5724 SelectaSystem 540 MB 13 ms / EIDE Nov 1995 / Jun 96 10.4" Dual scan VGA color / 640 x 256 simultaneous c 30 to 1 Chips and Technol External SVGA to VL-Bus 2.0 local bu 8 MB / 24 MB 70 t 1 socket for one JE  | 480<br>colors<br>ogies™ 65545 with<br>1024 x 768 w/ 256 c         | 13 ms<br>Nov 9<br>10.4"<br>VGA 0<br>262,1-<br>100 to<br>1 MB DI<br>colors up<br>neous L<br>volt / fa<br>MM of 4 | 726 taSystem IB s/ EIDE 5/Jun 96 Black Matrix color / 640 x 44 simultane 1 RAM p to 70 Hz CD and CRT ist page or 16 MB  Liftable (po | eous colors                             | 1<br>1<br>2<br>3<br>4<br>5<br>6<br>7<br>8   | SELECTASYSTEM PRELOAD  - IBM DOS 7.0  - Windows 3.11  - OS/2® Warp 3.0 (dual boot) with selected BonusPak applications - IBM PC Card Director™ 1.4  - IBM ThinkPad Demo  - Online Users Guide - ThinkPad features; Diskette Factory  - Lotus® cc:Mail™, e-mail for IBM Global®  Network  - Lotus Organizer™  - Lotus ScreenCam™  - Triton CoSession™ Host  - PRODIGY®  - SofNet FaxWorks™  - Video For Windows™ Runtime  - Puma TranXit™  - Companyer for Windows® |
| Pointing Ext keyboard support Dimensions (cubic in)  |  | ble or Port Replicat  | or)   | disk);   | not removable                           |   | Compuserv for Windows     NetFinity for Windows and OS/2   |
| Weight (with battery) Battery - type Battery - life Charge time - on / off   | 6.4 pounds   | 6.4 pounds   6.3 pounds<br>NiMH/non-intelligent<br>2.5 to 9 hours |   |  |   |   | WINDOWS 95 PRELOAD  - Microsoft Windows 95  - IBM ThinkPad Demo  |
| Architecture  Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features   | ISA (audio, PCMCIA, diskette, serial, parallel, 240 pin external expansion) VL-Bus 2.0 / 32 bit / 25 MHz (graphics, disk) None Port Replicator and Charger (with built-in battery charger and palm rest) 2 Type I or 2 Type II or 1 Type III One 9 pin; 16550A / one (IEEE P1284, EPP, ECP, bidirectional)                           |   |   |  | 3 4                                     | - Online Users Guide<br>- ThinkPad features; Diskette Factory<br>- Lotus® cc:Mail™, e-mail for IBM Global®<br>Network<br>2. Lotus Organizer™<br>3. Lotus ScreenCam™<br>4. Triton CoSession™ Host<br>5. PRODIGY® |  |
| MPEG decoder<br>Data/fax modem<br>Audio support<br>Audio in/out jacks  | APM-aware BIOS / Universal AC adapter (35 watts) / Phoenix™ BIOS  None None 16 bit audio chip / 18 voice MIDI FM Synthesis / ESS1688 with OPL3 Internal speaker / .5 watt / dial volume control / internal microphone Input jack (stereo) / microphone jack / output jack (stereo) Joystick/MIDI port (includes Joystick/MIDI cable) |   |   |  |   | 6   | . FRODIGT<br>S. SofNet FaxWorks™<br>Z. Puma TranXit™<br>S. Compuserve for Windows  |
| Infrared ports   | •  | ack / IrDA 1.0 comp   |   | •  | •                                       | -   |  |
| Security   |  | rd / Supervisor pass<br>roSaver™ cable lock                       |   |  |   |   |  |
| Preinstalled software<br>Warranty  |  | eaded configurations<br>EasyServ (optional                        |   |  | otion) or carry-in                      |   |  |
| The Port Replicator a cable management, a optional second batte installed on the system  | battery charger for a<br>ry, a palm rest when  | an -4 MB SC   | DIMM<br>DIMM  | 3.3v non-parit<br>3.3v non-parit   | y 72 pin 92G7287<br>y 72 pin 92G7293    | Di  | sk is not removable (like 755/760  |

installed on the system, and has complete port replication.

The Port Replicator can charge a battery whether or not a ThinkPad is connected to it. When the ThinkPad is attached to the Port Replicator, it will attempt to recharge the battery in ThinkPad first (if there is one) before charging the battery in the Port Replicator.

Port Replicator and Charger connectors:

- Serial (RS-232, 9 pin) Parallel (EPP, ECP, 25 pin) External display (15 pin)
- Keyboard
- Mouse
- Diskette drive (26 pin) Game with MIDI support (15 pin)
- Audio in (3.5 mm)
- Audio out (3.5 mm)
- DC input connector

Spare battery connector (to charge 2nd battery)

- 720 MB EIDE HDD 13 ms PIÓ Mode 3 38H6306 | systems), but it can be upgraded via tools - 810 MB EIDE HDD 13 ms PIO Mode 442H4012
- 1.08 GB EIDE HDD 13 ms Mode 4 69H7956
- Port Replicator and Charger 38H6303 - NiMH Battery Pack 38H6304

Setup is entered by Ctrl + Alt + F11 from any full-screen DOS prompt

Fn + F2 = Battery guage

Fn + F3 = Standby

Fn + F4 = Suspend

Fn + F7 = LCD/CRT/Simultaneous

Fn + F8 = Reverse video

Fn + F11 = Powermgmt

Fn + F12 = Hibernation

PgUp = Speaker enable PgDn = Speaker disable

System enters hibernation mode when keyboard is lifted up.

#### **FEATURES OF 365 MODELS**

Product Map LED indicator panel Plug and Play 1.0a Non-disruptive battery exchange Doze, standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM or dealer warranty/service Online Housecall (remote diagnostics) 30 day money back guarantee

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. 

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#### ThinkPad 365E - withdrawn

|  |   |   | _ |  |  |
|--|---|---|---|--|--|
| IBM® ThinkPad®;  |   |   | l |  |  |
| Processor<br>Processor upgrade<br>Memory cache<br>Diskette drive<br>CD-ROM                                   | IBM 5x86c <sup>™</sup> 100/33 MHz (Cyrix) / integrated math coprocessor<br>None<br>16 KB in 5x86c (write back) / no L2 cache<br>Internal 3.5" 1.44 MB (not removeable)<br>None (can not upgrade)  |   |   |  |  |
| Price Type - model Preload (see side) Disk - capacity Disk - ms / interface Available date Withdrawn date    | 2625-W9A<br>Windows 95<br><b>540 MB</b><br>13 ms / EIDE / PIO Mode 3<br>May 1996<br>October 1996  |   |   |  |  |
| Display - diagonal size<br>Display - type<br>Display - colors<br>Display - contrast                          | 10.4" Dual scan<br>VGA color / 640 x 480<br>256 simultaneous colors<br>30 to 1  |   |   |  |  |
| Graphics - controller<br>Graphics - memory<br>Graphics - external<br>Graph - arch/data path                  | Chips and Technologies™ 65545<br>1 MB DRAM<br>External SVGA to 1024 x 768 w/ 256 colors up to 70 Hz<br>1 VL-Bus 2.0 local bus / 32 bit / Simultaneous LCD and CRT / 180 degree tilt   |   |   |  |  |
| Memory - std / max<br>Memory - upgrade   | 8 MB / 24 MB 70 ns / non-parity / 3.3 volt / fast page<br>1 socket for one JEDEC 72 pin SO DIMM of 4 or 16 MB   |   |   |  |  |
| Keyboard / # of keys<br>Keyboard slope<br>Pointing<br>Ext keyboard support                                   | Full size alp/num / 85 (8 Fn key functions) Yes (legs pop out) TrackPoint III™ Yes (with option cable or Port Replicator)  Liftable (pop-up) keybo access and remove batt (and upgrade memory a disk); diskette drive is n  |   |   |  |  |
| Dimensions (cubic in)<br>Weight (with battery)<br>Battery - type<br>Battery - life<br>Charge time - on / off | 11.7 x 8.3 x 2.0" (194 cubic inches)<br>5.9 pounds<br>NiMH/non-intelligent<br>2.5 hours<br>6 hrs / 2 hrs  | removable   | J |  |  |
| Architecture  Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features       | ISA (audio, PCMCIA, diskette, serial, parallel, 100 pin external expansion) VL-Bus 2.0 / 32 bit / 25 MHz (graphics, disk) None Port Replicator and Charger (with built-in battery charger and palm rest) 2 Type I or 2 Type II or 1 Type III One 9 pin; 16550A / one (IEEE P1284, EPP, ECP, bidirectional) APM-aware BIOS / Universal AC adapter (35 watts) / Phoenix™ BIOS |   |   |  |  |
| MPEG decoder<br>Data/fax modem<br>Audio support<br>Audio in/out jacks<br>Infrared ports                      | None None None None Infrared port in back / IrDA 1.0 compatible   | ,   |   |  |  |
| Security   | Power-on password / Supervisor password / (Kensington™ MicroSaver™ cable lock) / key  | Locking device keyhole board lock (requires Kensington) |   |  |  |
| Preinstalled software<br>Warranty  | Windows 95 with utilities and applications (lis<br>1 year - ThinkPad EasyServ (optional Overni  |   |   |  |  |

The Port Replicator and Charger provide cable management, a battery charger for an optional second battery, a palm rest when installed on the system, and has complete port replication.

The Port Replicator can charge a battery whether or not a ThinkPad is connected to it. When the ThinkPad is attached to the Port Replicator, it will attempt to recharge the battery in ThinkPad first (if there is one) before charging the battery in the Port Replicator.

Port Replicator and Charger connectors:

- Serial (RS-232, 9 pin) Parallel (EPP, ECP, 25 pin) External display (15 pin)
- Keyboard
- Mouse
- Diskette drive (26 pin)Game with MIDI support (15 pin)
- Audio in (3.5 mm)
- Audio out (3.5 mm)
- DC input connector
- Spare battery connector (to charge 2nd battery)

Options for ThinkPad 365:

- 4 MB SO DIMM 3.3v non-parity 72 pin 92G7287 16 MB SO DIMM 3.3v non-parity 72 pin 92G7293
- 810 MB EIDE HDD 13 ms Mode 4 42H4012
- 1.08 GB EIDE HDD 13 ms Mode 4 69H7956
- Port Replicator and Charger (old) 38H6303
- replaced by 75H7529
- NiMH Battery Pack 38H6304
- 35 watt AC Adapter 2 pin 85G6719

Setup is entered by Ctrl + Alt + F11 from any full-screen DOS prompt

Fn + F2 = Battery guage Fn + F3 = Standby

Fn + F3 = Standy Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous

Fn + F8 = Reverse video Fn + F11 = Powermgmt

Fn + F12 = Hibernation= Speaker enable PgUp PğDn = Speaker disable

Disk is not removable (like 755/760 systems), but it can be upgraded via a screwdriver

System enters hibernation mode when keyboard is lifted up

#### **WINDOWS 95 PRELOAD**

Optional Port Replicator with battery

Microsoft Windows 95

charger and palm rest

Online Users Guide

ThinkPad 365 strengths: Entry-priced notebook Extensive software preload

Infrared port

- Diskette Factory
- PC Card Director 1.4
- Triton™ CoSession™ Host
- Puma TranXit™
- NetFinity for Windows CompuServ™ for Windows

#### FEATURES OF 365 MODELS

Product Map LED indicator panel Plug and Play 1.0a Non-disruptive battery exchange Doze, standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)

#### **証 ThinkPad 365ED - withdrawn**

| IBM <sup>®</sup> ThinkPad <sup>®</sup> :  | 365ED  10.4" dual scan - CD-ROM  10.4" |  |  |  |  |
|---|--|--|--|--|--|
| Processor<br>Processor upgrade<br>Memory cache<br>Diskette (not internal)<br>CD-ROM (not remove)          | IBM 5x86c <sup>™</sup> 100/33 MHz (Cyrix) / integrated None 16 KB in 5x86c (write-back) / no L2 cache External 3.5" 1.44 MB (connects to back of syste 5.25" CD-ROM / 4 x speed / multi-session /  | m) / use simultaneously w/ CD-ROM  |  |  |  |
| Price Type - model Preload (see side) Disk - capacity Disk - ms / interface Available date Withdrawn date | 2625-W9G<br>Windows 95<br><b>540 MB</b><br>13 ms / EIDE / PIO Mode 3<br>May 1996<br>October 1996   |  |  |  |  |
| Display - diagonal size<br>Display - type<br>Display - color<br>Display - contrast                        | 10.4" Dual scan<br>VGA color / 640 x 480<br>256 simultaneous colors<br>30 to 1   |  |  |  |  |
| Graphics - controller<br>Graphics - external<br>Graph - arch/data path                                    | Chips and Technologies™ 65545 with 1 MB DRAM External SVGA to 1024 x 768 w/ 256 colors up to 70 Hz  VL-Bus 2.0 local bus / 32 bit / Simultaneous LCD and CRT / 180 degree tilt   |  |  |  |  |
| Memory - std / max<br>Mem - upgrade   | 8 MB / 24 MB 70 ns / non-parity / 3.3 volt / fast page<br>1 socket for one JEDEC 72 pin SO DIMM of 4 or 16 MB  |  |  |  |  |
| Keyboard / # of keys<br>Keyboard slope<br>Pointing<br>Ext keyboard support                                | Full size alp/num / 85 (8 Fn key functions) Yes (legs pop out) TrackPoint III™ Yes (with option cable or Port Replicator)  | Liftable (pop-up) keyboard to access and remove battery (and upgrade memory and disk); |  |  |  |
| Dimensions (cubic in) Weight (with battery) Battery - type Battery - life Charge time - on / off          | 11.7 x 8.3 x 2.0" (194 cubic inches)<br>6.4 pounds<br>NiMH/non-intelligent<br>2.3 hours<br>6 hrs / 2 hrs   | CD-ROM is not removable  |  |  |  |
| Architecture  Docking Station Port replicator PCMCIATM 2.1 slots Serial / parallel ports Other features   | USA (audio, PCMCIA, diskette, serial, parallel, 240 pin external expansion) VL-Bus 2.0 / 32 bit / 25 MHz (graphics, disk) None Port Replicator and Charger (with built-in battery charger and palm rest) 2 Type I or 2 Type II or 1 Type III One 9 pin; 16550A / one (IEEE P1284, EPP, ECP, bidirectional) APM-aware BIOS / Universal AC adapter (35 watts) / Phoenix™ BIOS  |  |  |  |  |
| MPEG decoder Data/fax modem Audio support  Audio in/out jacks Infrared ports                              | None None 16 bit audio chip / 18 voice MIDI FM Synthesis / ESS1688 with OPL3 Internal speaker / .5 watt / dial volume control / internal microphone Input jack (stereo) / microphone jack / output jack (stereo) Joystick/MIDI port (includes Joystick/MIDI cable) Infrared port in back / IrDA 1.0 compatible / up to 115 Kbps  |  |  |  |  |
| Security  | Power-on password / Supervisor password / (Kensington™ MicroSaver™ cable lock) / keyl  | Locking device keyhole   |  |  |  |
| Preinstalled software<br>Warranty   | Windows 95 with utilities and applications (lis<br>1 year - ThinkPad EasyServ (optional Overni   | ted to right)  |  |  |  |

ThinkPad 365 (CD-ROM models) strengths:

- **□** Entry-priced CD-ROM notebook
- Integrated audio, microphone, speaker
- Simultaneous external diskette
- Joystick/MIDI port
- Infrared port
- MPC2 compliant

#### **WINDOWS 95 PRELOAD**

- Microsoft Windows 95
- Online Users Guide
- Diskette Factory PC Card Director 1.4
- Triton CoSession™ Host
- Puma TranXit™
- NetFinity for Windows
- CompuServ™ for Windows

The Port Replicator and Charger provide cable management, a battery charger for an optional second battery, a palm rest when installed on the system, and has complete port replication.

The Port Replicator can charge a battery whether or not a ThinkPad is connected to it. When the ThinkPad is attached to the Port Replicator, it will attempt to recharge the battery in ThinkPad first (if there is one) before charging the battery in the Port Replicator.

Port Replicator and Charger connectors:

- Serial (RS-232, 9 pin)
- Parallel (EPP, ECP, 25 pin) External display (15 pin)
- Keyboard
- Mouse
- Diskette drive (26 pin)
- Game with MIDI support (15 pin)
- Audio in (3.5 mm)
- Audio out (3.5 mm)
- DC input connector
- Spare battery connector (to charge 2nd battery)

Options for ThinkPad 365:

- 4 MB SO DIMM 3.3v non-parity 72 pin 92G7287 16 MB SO DIMM 3.3v non-parity 72 pin 92G7293
- 810 MB EIDE HDD 13 ms Mode 4 1.08 GB EIDE HDD 13 ms Mode 4 42H4012
- 69H7956
- (old) 38H6303 - Port Replicator and Charger
  - replaced by 75H7529 38H6304
- NiMH Battery Pack - 35 watt AC Ádapter - 2 pin 85G6719

Setup is entered by Ctrl + Alt + F11 from any full-screen DOS prompt

Fn + F2 = Battery guage

Fn + F3 = StandbyFn + F4 = Suspend

Fn + F7 = LCD/CRT/Simultaneous

Fn + F8 = Reverse video Fn + F11 = Powermgmt

Fn + F12 = Hibernation

PgUp = Speaker enable

PğDn = Speaker disable

System enters hibernation mode when keyboard is lifted up

Disk is not removable (like 755/760 systems), but it can be upgraded via a screwdriver

#### **FEATURES OF 365 MODELS**

Product Map LED indicator panel Plug and Play 1.0a Non-disruptive battery exchange Doze, standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/sérvice Online Housecall (remote diagnostics)

ThinkPad EasyServ™: customer calls IBM HelpCenter, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround).

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### IIM ThinkPad 365X - withdrawn

| IBM® ThinkPad®:  | ≈ 365X  |   |  | Key diff   | erences between 36  | 65E and 365X:                                |  |  |
|--|---|---|--|--|---|--|--|--|
|  | 10.4" SVGA TFT or DSTN  |   |  |  | 365E 365X   |  |  |  |
| Processor type Processor upgrade L2 cache Diskette drive External FDD port Internal CD-ROM   | Pentium® 100/66 / 64-bit<br>None<br>None (not upgradeable)<br>Internal 3.5" 1.44MB ○ (not<br>External FDD port (used if<br>None standard / 4 x CD-RO  | ot removabl<br>purchase CI                                      | e)   | 100/33MHz<br>st page (to 24MB)<br>graphics and disk<br>GA 640x480 LCD<br>disk standard           | Pentium 100, 120, 133<br>8MB EDO (to 40MB)<br>PCI graphics and disk<br>SVGA 800x600<br>810MB or 1.08GB disk   |  |  |  |
| Price Type - model Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller  | 2625-6E7<br><b>Windows 95</b><br>May 1996 / January 1997<br><b>810MB</b> / 13ms m / PIO Mc<br>EIDE / busmaster / PCI 2.1  |   | 2625-7E7<br>Windows 95<br>May 1996 / January 1997<br>one internal disk   | - No integrated audio 16-bit audio<br>Phoenix BIOS IBM BIOS with<br>Easy Setup a<br>ThinkPad Fea |   |  |  |  |
| Display - size and type<br>Display - techology   | 10.4 inch DSTN color<br>SVGA / 640x480 or 800x6<br>Dual scan<br>256 sim colors / 25 to 1 con  |   | 10.4 inch TFT color<br>SVGA / 640x480 or 800x600<br>Black Matrix TFT - active ma<br>65.536 simultaneous colors /   | atrix  | contrast ratio  |  |  |  |
| Graphics - controller<br>Graph - arch/data path<br>Gaphics - features  |   | bit SVGA ac   | ccelerator / 1MB fast page DRA<br>24x768 w/ 256 colors   |  |   |  |  |  |
| Memory - std / max<br>Memory - features  | <b>8MB</b> / 40MB<br>70ns / non-parity / 3.3 volt   | / EDO / 1 so  | ocket for one JEDEC 144 pin  | EDO SO   | DIMMs of 8, 16, or  | 32MB   |  |  |
| Keyboard / # of keys<br>Keyboard slope<br>Pointing / palm rest   | Full size alp/num / 85 (6 Fr<br>Yes (legs pop out)<br><b>TrackPoint III™</b> / external k   | •   | ns)<br>oport (w/ option cable or Port Re   | eplicator)   |   | VS 95 PRELOAD<br>ows 95                      |  |  |
| Dimensions Weight Battery - type Battery - life (1 batt)   | 11.7 x 8.3 x 1.9" (185 cu in)<br>6.0 pounds (2.7 kg)<br>NiMH/non-intelligent<br>2.5 hours   | remove  | (pop-up) keyboard to access<br>battery (and upgrade memory<br>skette drive is not removable  | ory and - ThinkPad Features  |   |  |  |  |
| Charge time - on / off   | 1.5 hrs / 1.2 hrs   | us sadal s  | and Hall Cafeered IV   |  | 1. Triton CoSession™ Host 2. Compuserv for Windows 3. NetFinity for Windows 95 4. Puma TranXit™ - Lotus SmartSuite 96 CD-ROM  |  |  |  |
| Architecture  Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features   | 2 Type I or 2 Type II or 1 Tyl<br>One 9 pin; 16550A / one (IE   | EIDE, graph<br>r (with built-i<br>pe III<br>EEE P1284- <i>I</i> | ics) n battery charger and palm res  | ,  |   |  |  |  |
| Video in/out<br>MPEG decoder<br>Data/fax modem<br>Audio support<br>Audio in/out jacks<br>Infrared ports  | None<br>None<br>None<br>16-bit audio chip / 18 voic<br>One internal speaker / .5 v<br>Input jack (stereo) / micropi<br>Infrared port in back / IrD  | <b>vatt / dial vo</b><br>none jack / o                          |  |  |   |  |  |  |
| Security   | Power-on pwd / Hard disk p  | wd / Superv   | risor pwd / Locking device keyl<br>) / keyboard lock (requires Kens  | hole<br>sington)   |   |  |  |  |
| Preinstalled software<br>Warranty  | Microsoft Windows 95 wth a 1 year - ThinkPad EasySer  |   | (listed on right)<br>Overnight Repair Option) or car   | ry-in  | Easy-Setup is ent when turning on.  | ered by holding F1                           |  |  |
| cable management, a optional second batter installed on the system replication.  | he Port Peplicator can charge a batton/   |   | DIMM 3.3v NP EDO 64-bit       92         DIMM 3.3v NP EDO 64-bit       92         DIMM 3.3v NP EDO 64-bit       92         IDE HDD 13ms       42h         IDE HDD 13ms       69h | <b>G7342</b><br>H4012<br>H7956   |   | Mode 2 or PIO Mode 4<br>Mode 2 or PIO Mode 4 |  |  |
| whether or not a Think<br>When the ThinkPad is<br>Replicator, it will attem<br>in ThinkPad first (if the   | pricator can charge a battery of the arms |   |  | H7529<br>H6304<br>H7225<br>G6719   | Quick Setup Gui<br>LED indicator pa<br>Plug and Play 1.   | inel<br>0a                                   |  |  |
| Port Replicator and Charger connectors:  - Serial (RS-232, 9 pin) - Parallel (EPP, ECP, 25 pin) - External display (15 pin) - Keyboard - Mouse - Diskette drive (26 pin) - Game with MIDI support (15 pin) - Audio in (3.5 mm)  Fn + F Fn |   |   | = Battery guage<br>= Standby<br>= Suspend<br>= LCD/CRT/Simultaneous<br>= Power mgmt<br>= Hibernation<br>removable (like 755/760 syster<br>graded via a screwdriver               | ms), but   | suspend, safe suspend, on modes Star compliant meplate in indention screen at startup arranty Service telephone, bulletin ectronic, and Internet oc.ibm.com) support warranty/service |  |  |  |
| <ul><li>- Audio out (3.5 mm)</li><li>- DC input connector</li><li>- Spare battery connector</li></ul>  | ctor (to charge 2nd battery)  |   |  |  | Online Houseca  | all (remote diagnostics)                     |  |  |

### Time ThinkPad 365X (Fall 1996 models) - withdrawn

| IBM® ThinkPad®:  |   | SVGA DSTN  | color   |  |  |  |
|--|---|--|---|--|--|--|
| Processor type Processor upgrade L2 cache Diskette drive External FDD port Internal CD-ROM   | Pentium® 120/60 or 133/66MHz / 64-bit transfer to memory None None (not upgradeable) Internal 3.5" 1.44MB m (not removable) External FDD port (used if purchase CD-ROM upgrade) None standard / 4 x or 8 x CD-ROM option available which includes an external diskette drive (not customer install) |  |   |  |  |  |
| Price Type - model Preload (see side) Avail / withdrawn date Pentium speed Disk - size / ms Disk controller  | 2625-3E9 Windows 95 October 1996 / July 1997 120/60MHz 810MB / 13ms   |  |   |  |  |  |
| Display - size and type<br>Display - techology   | 10.4 inch TFT color<br>SVGA / 640x480 or 800x6<br>Black Matrix TFT - active<br>65,536 simultaneous color  | matrix   | 11.3 inch DSTN color<br>SVGA / 640x480 or 800x6<br>Dual scan<br>256 simultaneous colors / 3   |  | ast ratio  |  |
|  | Trident™ CYBER9320 / 32<br>PCI 2.1 / 32-bit / external \$<br>Simultaneous LCD and CR  | SVGA to 102  |   | RAM / 70ns   |  |  |
| Memory - std / max<br>Memory - features  | 8MB / 40MB<br>70ns / non-parity / 3.3 volt  | :/EDO/1so  | ocket for one JEDEC 144 pi  | in EDO SO  | DIMMs of 8. 16. or 32MB  |  |
| Keyboard / # of keys<br>Keyboard slope<br>Pointing / palm rest   | Full size alp/num / 85 (6 Fi<br>Yes (legs pop out)<br>TrackPoint III™ / external  | n key functior<br>keyboard sup   | ·   |  | WINDOWS 95 PRELOAD - Microsoft Windows 95  |  |
| Dimensions<br>Weight   | 11.7 x 8.3 x 1.9" (185 cu in 6.1 pounds (2.76 kg)   | )  | 5.9 pounds (2.67 kg)  |  | <ul><li>Online User's Guide</li><li>ThinkPad Features</li></ul>  |  |
| Battery - type<br>Battery - life<br>Charge time - on / off   | NiMH/non-intelligent<br>2.5 hours<br>1.5 hrs / 1.2 hrs  | remove i   | <i>pop-up) keyboard</i> to accest<br>pattery (and upgrade memo<br>skette drive is not removal | orv and  | - PC Card Director 4.0 - Diskette Factory 1. Triton CoSession™ Host  |  |
| Architecture  Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features Video in/out  | 2 Type I or 2 Type II or 1 Ty<br>One 9 pin; 16550A / one (II  | EIDE, graphi<br>er (with built-i<br>pe III<br>EEE P1284- <i>A</i>                  | cs)  n battery charger and palm re  | ,  | <ul> <li>2. Compuserv for Windows</li> <li>3. NetFinity for Windows 95</li> <li>4. Puma TranXit™</li> <li>Lotus SmartSuite 96 CD-ROM</li> </ul>  |  |
| MPEG decoder Data/fax modem Audio support  Audio in/out jacks Infrared ports   | None None 16-bit audio chip / 18 voi One internal speaker / .5 Input jack (stereo) / microp Infrared port in back / IrD   | <b>watt / dial vo</b><br>hone jack / o   |   |  |  |  |
| Security   | Power-on pwd / Hard disk (requires cable) / keyboard  |  |   |  |  |  |
| Preinstalled software<br>Warranty  | Microsoft Windows 95 wth<br>1 year - ThinkPad EasySe  | applications or (optional C  | (listed on right)<br>vernight Repair Option) or c   | arry-in  | Easy-Setup is entered by holding F1 when turning on.   |  |
| cable management, a optional second batter installed on the system replication.  | cable management, a battery charger for an optional second battery, a palm rest when installed on the system, and has complete port eplication.  The Port Poplicator can share a battery.   |  | B SO DIMM 3.3v NP EDO 64-bit 9 B SO DIMM 3.3v NP EDO 64-bit 9 MB EIDE HDD 13ms 4:             |  | 810MB = DMA Mode 2 or PIO Mode 4<br>1.08GB = DMA Mode 2 or PIO Mode 4  |  |
| whether or not a ThinkPad is connected to it. When the ThinkPad is attached to the Port Replicator, it will attempt to recharge the battery in ThinkPad first (if there is one) before charging the battery in the Port Replicator.  Port Replicator and Charger connectors: - Serial (RS-232, 9 pin) - Parallel (EPP, ECP, 25 pin) - External display (15 pin) - Keyboard - Mouse - Diskette drive (26 pin) - Game with MIDI support (15 pin) - Audio in (3.5 mm) - Audio in (3.5 mm) |   | DD 13ms 8 cator and Charger 7 ery Pack 3 C Adapter (2 pin barrel) 7 CD-ROM Drive 7 | 32H8175<br>75H7529<br>38H6304<br>35G6719<br>76H0139<br>73H7225<br>33H6726                     | FEATURES OF 365 MODELS  Quick Setup Guide LED indicator panel Plug and Play 1.0a Doze, standby, suspend, safe suspend, and hibernation modes |  |  |
|  |   | Fn+F2 =<br>Fn+F3 =<br>Fn+F4 =<br>Fn+F7 =<br>Fn+F11 =<br>Fn+F12 =                   | n + F2 = Battery guage<br>n + F3 = Standby<br>n + F4 = Suspend                                |  | US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics) |  |
| - DC input connector   | ctor (to charge 2nd battery)  |  | emovable (like 755/760 syst<br>graded via a screwdriver                                       | tems), but   | Cimilo riodosodii (refilote diagnostics)   |  |

#### IIM ThinkPad 365XD - withdrawn

| IBM® ThinkPad®:  | 365XD  |   |   |  | Kev di   | fferences between 365ED and 365XD:  |  |  |  |
|--|--|---|---|--|--|---|--|--|--|
|  | 10.4" SVGA DSTN / 10.4" S  |   |   |  |  | 365ED 365XD   |  |  |  |
| Processor type Processor upgrade L2 cache Diskette drive  External FDD port CD-ROM (not remove)  | None<br>None (not upgradeable)<br>External 3.5" 1.44MB (con-<br>case with a cable / use si<br>External FDD port (works w   | nnects to back of system) / enclosed in a hours with CD-ROM 8MB fas VL-Bus 10.4" VC   |   |  | 100/33MHz Pentium 100, 120, 133 ast page (to 24MB) 8MB EDO (to 40MB) s graphics and disk VGA 640 x 480 LCD 10.4" or 11.3" SVGA B disk standard 810MB, 1.08, 1.35GB IBM BIOS  |   |  |  |  |
| Price Type - model Preload (see side) Avail / withdrawn date Pentium speed Disk - size / ms Disk controller  | ≈ 2625-6E3<br><b>Windows 95</b><br>May 1996/January 1997<br><b>100/66MHz</b><br><b>810MB</b> / 13ms ○ / PIO Mo<br>EIDE / busmaster / PCI 2.1   | ode 4   |   |  |  |   |  |  |  |
| Display - size and type<br>Display - techology<br>Graphics - controller  | 10.4 inch DSTN color<br>SVGA / 640x480 or 800x60<br>Dual scan<br>256 sim colors / 25 to 1 cont<br>Trident <sup>TM</sup> CYBER9320 / 32-1   | Black Matrix TFT - active matrix  |   |  |  |   |  |  |  |
| Graph - arch/data path<br>Gaphics - features   | PCI 2.1 / 32-bit / external S<br>Simultaneous LCD and CR   | VGA to 102  | 4x768 w/ 256 col  |  |  |   |  |  |  |
| Memory - std / max<br>Memory - features  | 8MB / 40MB<br>70ns / non-parity / 3.3 volt   |   |   | EC 144 pi  | in EDO SC  | DIMMs of 8, 16, or 32 MB  |  |  |  |
| Keyboard / # of keys<br>Keyboard slope<br>Pointing / palm rest   | Full size alp/num / 85 (6 Fn<br>Yes (legs pop out)<br>TrackPoint III™ / external k   | eyboard sup   | ,   | ble or Port  | Replicator   | WINDOWS 95 PRELOAD ) - Microsoft Windows 95 - Online User's Guide   |  |  |  |
| Dimensions<br>Weight   | 11.7 x 8.3 x 1.9" (185 cubic<br>6.4 pounds (2.9 kg)  |   |   | - ThinkPad Features - PC Card Director 4.0   |  |   |  |  |  |
| Battery - type<br>Battery - life<br>Charge time - on / off   | NiMH/non-intelligent<br>2.5 hours<br>1.5 hrs / 1.2 hrs   | remov   | e (pop-up) keybo<br>e battery (and up<br>CD-ROM is not ro   | grade me   |  | - Diskette Factory 1. Triton CoSession™ Host 2. Compuserv for Windows   |  |  |  |
| Architecture  Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features   | ISA (audio, PCMCIA, diske<br>PCI 2.1 / 32-bit / 33MHz (E<br>None<br>Port Replicator and Charge<br>2 Type I or 2 Type II or 1 Typ<br>One 9 pin; 16550A / one (IE<br>APM-aware BIOS / I Iniversi   | EIDE, graphi<br>r (with built-in<br>be III<br>EE P1284-A  | ics)<br>n battery charger<br>A, EPP, ECP, bidir   | ectional)  | ,  | 3. NetFinity for Windows 95 4. Puma TranXit™ - Lotus SmartSuite 96 CD-ROM  OS/2 WARP CONNECT PRELOAD - IBM OS/2 Warp Connect Version 3 wit  |  |  |  |
| Video in/out<br>MPEG decoder<br>Data/fax modem<br>Audio support<br>Audio in/out jacks  | APM-aware BIOS / Universal AC adapter 3 prong (35 watts) / Selectable boot  None None None 16-bit audio chip / 18 voice MIDI FM Synthesis / ESS1688 One internal speaker / .5 watt / dial volume control / internal microphone Input jack (stereo) / microphone jack / output jack (stereo) / no joystick port |   |   |  |  | WIN-OS/2 with BonusPak application - Online User's Guide - ThinkPad Features Program - PC Card Director 4.0 - Diskette Factory 1. Puma TranXit™ 2. NetFinity for OS/2   |  |  |  |
| Infrared ports Security  | Infrared port in back / IrDa<br>Power-on pwd / Hard disk p<br>(Kensington™ MicroSaver™   | wd / Superv   | isor pwd / Lockin   | g device k   | eyhole<br>ensington)   | 3. Triton CoSession™ Host - Lotus SmartSuite 4.0 (entitled to SSuite 96)  |  |  |  |
| Preinstalled software<br>Warranty  | Microsoft Windows 95 wth a 1 year - ThinkPad EasyServ  | pplications   | (listed on right)   |  |  |   |  |  |  |
| replication.   | battery charger for an<br>y, a palm rest when<br>n, and has complete port  | - 8MB SO D<br>- 16MB SO<br>- 32MB SO<br>- 810MB EI<br>- 1.08GB E  | ThinkPad 365XD<br>DIMM 3.3v NP EDO<br>DIMM 3.3v NP ED<br>DIMM 3.3v NP ED<br>DE HDD 13ms<br>IDE HDD 13ms | 0 64-bit<br>O 64-bit<br>O 64-bit   | 92G7340<br>92G7341<br>92G7342<br>42H4012<br>69H7956  | Easy-Setup is entered by holding F1 when turning on.  810MB = DMA Mode 2 or PIO Mode 4 1.08GB = DMA Mode 2 or PIO Mode 4  |  |  |  |
| The Port Replicator can charge a battery whether or not a ThinkPad is connected to it. When the ThinkPad is attached to the Port Replicator, it will attempt to recharge the battery in ThinkPad first (if there is one) before charging the battery in the Port Replicator.  - 1.4GB EIDE HDD 3L 12.5 mm 82H - 2.1GB HDD 13ms - Port Replicator and Charger - NiMH Battery Pack - 35 watt AC Adapter (2 pin barrel) - 35 watt AC Adapter (5 pin barrel) - 35 watt AC Adapter (8 pin 2 pin) - 76H - 8 y CD-ROM - 83H |  |   | 82H8161<br>82H8175<br>75H7529<br>38H6304<br>85G6719<br>76H0139<br>83H6726                               | FEATURES OF 365 MODELS  Quick Setup Guide LED indicator panel Plug and Play 1.0a Doze, standby, suspend, safe suspend, |  |   |  |  |  |
| Port Replicator and Charger connectors: - Serial (RS-232, 9 pin) - Parallel (EPP, ECP, 25 pin) - External display (15 pin) - Keyboard - Mouse - Diskette drive (26 pin) - Game with MIDI support (15 pin) - Audio in (3.5 mm) - Audio out (3.5 mm)   |  | Fn + F2 = Battery guage Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F11 = Power mgmt Fn + F12 = Hibernation  Disk is not removable (like 755/760 systems) |   | tems), but   | and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics) |   |  |  |  |
| - DC input connector   | ctor (to charge 2nd battery)   | ιτ can be up  | graded via a scre   | wariver  |  | (, 5, 1, 2, 5, 5, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 1 |  |  |  |

#### III ThinkPad 365XD (Fall 1996+ models) - withdrawn

| IBM® ThinkPad®   | → 365XD  10.4" SVGA TFT / 11.3" SVGA DSTN / 11.3" SVGA TFT - CD-ROM  10.4" SVGA TFT / 11.3" SVGA DSTN / 11.3" SVGA TFT - CD-ROM  10.4" SVGA TFT / 11.3" SVGA DSTN / 11.3" SVGA TFT - CD-ROM  10.4" SVGA TFT / 11.3" SVGA DSTN / 11.3" SVGA TFT - CD-ROM  10.4" SVGA TFT / 11.3" SVGA DSTN / 11.3" SVGA TFT - CD-ROM  10.4" SVGA TFT / 11.3" SVGA DSTN / 11.3" SVGA TFT - CD-ROM  10.4" SVGA TFT / 11.3" SVGA DSTN / 11.3" SVGA TFT - CD-ROM  10.4" SVGA TFT / 11.3" SVGA DSTN / 11.3" SVGA TFT - CD-ROM  10.4" SVGA TFT / 11.3" SVGA DSTN / 11.3" SVGA TFT - CD-ROM  10.4" SVGA TFT / 11.3" SVGA TFT - CD-ROM  10.4" SVGA TFT / 11.3" SVGA TFT - CD-ROM  10.4" SVGA TFT / 11.3" SVGA TFT - CD-ROM  10.4" SVGA TFT / 11.3" SVGA TFT - CD-ROM  10.4" SVGA TFT / 11.3" SVGA TFT - CD-ROM  10.4" SVGA TFT / 11.3" SVGA TFT / 11.3" SVGA TFT - CD-ROM  10.4" SVGA TFT / 11.3" SVGA TFT / |   |   |  |  |  |  |  |
|--|---|---|---|--|--|--|--|--|
| Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM (not remove) CD-ROM features | Pentium® 120/60 or 133/66MHz / 64-bit transfer to memory None None (not upgradeable) External 3.5" 1.44MB (connects to back of system) / enclosed in a case with a cable / use simultaneously with CD-ROM External FDD port (works with standard external diskette; no kit required) 9: 5.25" CD-ROM / 4 x speed   5.25" CD-ROM / 6 x speed (all systems upgradeable to 8 x CD-ROM) Multi-session / XA / front loaded / ATAPI / not bootable / upgradeable  |   |   |  |  |  |  |  |
| Type - model (code) Preload (see side) Avail / withdrawn date Pentium speed Disk - size / ms Disk controller   | 2625-4E9 (Clark 4)<br>Windows 95<br>October 1996 / July 1997<br>120/60MHz<br>810MB / 13ms O<br>EIDE / busmaster / PCI 2.  | Windows 95 OSR2<br>Feb 1997 / July 1997<br>120/60MHz<br>1.08GB / 13ms O             | 2625-GE9 (Clark 4.5) Windows 95 OSR2 Feb 1997 / July 1997 120/60MHz 1.08GB / 13ms ○ 12625-1E9 (Clark 4) Windows 95 Windows 95 October 1996 / October 1997 133/66MHz 1.35 GB / 13ms ○ / PIO Mode 4 |  |  |  |  |  |
| Display - size and type<br>Display - techology   | 10.4 inch TFT color<br>SVGA / 640x480 or 800x6<br>Black Matrix TFT - active<br>65,536 sim col / 100 to 1 co   | matrix  | 11.3 inch TFT color<br>SVGA / 640x480 or 800x6<br>Black Matrix TFT - active r<br>65,536 sim col / 100 to 1 co   | natrix   | 11.3 inch DSTN color<br>SVGA / 640x480 or 800x600<br>Dual scan<br>256 sim colors / 30 to 1 contrast ratio              |  |  |  |
| Graphics - controller<br>Graph - arch/data path<br>Graphics - features   | er Trident™ CYBER9320 / 32-bit SVGA accelerator / 1 MB fast page DRAM / 70 ns<br>path PCI 2.1 / 32-bit / external SVGA to 1024x768 w/ 256 colors  |   |   |  |  |  |  |  |
| Memory - std / max<br>Memory - features  | 8MB / 40MB 70ns / non-parity / 3.3 volt / EDO / 1 socket for one JEDEC 144 pin EDO SO DIMMs of 8, 16, or 32 MB  |   |   |  |  |  |  |  |
| Keyboard / # of keys<br>Keyboard slope<br>Pointing / palm rest   | Full size alp/num / 85 (6 For Yes (legs pop out)  TrackPoint IIITM / external   | ,   | tion cable or Port Replicator)  |  | WINDOWS 95 PRELOAD<br>MODELS 4E9 and 1E9   |  |  |  |
| Dimensions<br>Weight   | 11.7 x 8.3 x 1.9" (185 cubic<br>6.4 pounds (2.9 kg)   | c inches)<br>  6.1 pounds (2.77 kg)   | 6.2 pounds (2.79 kg)  |  | crosoft Windows 95<br>line User's Guide  |  |  |  |
| Battery - type<br>Battery - life<br>Charge time - on / off   | NiMH/non-intelligent<br>2.0 hours<br>1.5 hrs / 1.2 hrs  | Liftable (pop-up)<br>remove battery (a<br>disk); CD-ROM is                          | keyboard to access and and upgrade memory and anot removable  | - Thi<br>- PC<br>- Dis   | nkPad Features Program<br>Card Director 4.0<br>kette Factory   |  |  |  |
| Architecture  Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports                        | ISA (audio, PCMCIA, disk<br>PCI 2.1 / 32-bit / 33MHz (<br>None<br>Port Replicator and Charge<br>2 Type I or 2 Type II or 1 Ty<br>One 9 pin; 16550A / one (II  | EIDE, graphics)<br>er (with built-in battery ch<br>/pe III<br>EEE P1284-A, EPP, ECF | arger and palm rest)  | 2. Co<br>3. Ne<br>4. Pu  | ton CoSession™ Host mpuserv for Windows tFinity for Windows 95 ma TranXit™ rus SmartSuite 96 CD-ROM WINDOWS 95 PRELOAD |  |  |  |
| Other features Video in/out  | APM-aware BIOS / University None  | sal AC adapter 3 prong (  | 35 watts) / Selectable boot   | - Mic  | MODELS GE9 and FE9<br>crosoft Windows 95 OSR2  |  |  |  |
| MPEG decoder Data/fax modem Audio support  Audio in/out jacks Infrared ports                                   | None<br>None<br>16-bit audio chip / 18 voi<br>One internal speaker / .5<br>Input jack (stereo) / microp   | watt / dial volume cont<br>hone jack / output jack (s                               | - On<br>- Thi<br>- PC<br>- Dis<br>1. Trit   | line User's Guide<br>inkPad Features Program<br>Card Director 4.0<br>skette Factory<br>ton CoSession™ Host |  |  |  |  |
| Security   | Infrared port in back / IrDA 1.0 compatible / up to 115Kbps  Power-on pwd / Hard disk pwd / Supervisor pwd / Security keyhole (requires cable) / keyboard lock (requires cable)  2. Compuserv for Windows 3. NetFinity for Windows 95 4. PumaTranXit™   |   |   |  |  |  |  |  |
| Preinstalled software<br>Warranty  | Microsoft Windows 95 wth<br>1 year - ThinkPad EasySe  | applications (listed on rig   |   | 5. Into<br>6. IBN<br>7. IGN  | elliLink Connect<br>M Anti-Virus<br>N/Netscape Internet<br>elliQuest Registration Mailer                               |  |  |  |
| optional second batte  | battery charger for an  | 9. Erg<br>- Lot<br>Easy-  | gonomics<br>rus SmartSuite 96 CD-ROM<br>Setup is entered by holding F1  |  |  |  |  |  |
| in oranica on the system   | ii, alia hao oompioto port  | 1 - 32MB SO DIMM 3.3V   | NP EDO 64-bit 92G7342   | whon   | turning on   |  |  |  |

installed on the system, and has complete port replication.

The Port Replicator can charge a battery whether or not a ThinkPad is connected to it. When the ThinkPad is attached to the Port Replicator, it will attempt to recharge the battery in ThinkPad first (if there is one) before charging the battery in the Port Replicator.

Port Replicator and Charger connectors:

- Serial (RS-232, 9 pin) Parallel (EPP, ECP, 25 pin) External display (15 pin)
- Keyboard
- Mouse
- Diskette drive (26 pin) Game with MIDI support (15 pin)
- Audio in (3.5 mm)
- · Audio out (3.5 mm)
- DC input connector
- Spare battery connector (to charge 2nd battery)

| - 8MB SO DIMM 3.3v NP EDO 64-bit    | 92G7340 |
|-------------------------------------|---------|
| - 16MB SO DIMM 3.3v NP EDO 64-bit   | 92G7341 |
| - 32MB SO DIMM 3.3v NP EDO 64-bit   | 92G7342 |
| - 810MB EIDE HDD 13ms               | 42H4012 |
| - 1.08GB EIDE HDD 13ms              | 69H7956 |
| - 1.4GB EIDE HDD 3L 12.5 mm         | 82H8161 |
| - 2.1GB HDD 13ms                    | 82H8175 |
| - Port Replicator and Charger       | 75H7529 |
| - NiMH Battery Pack                 | 38H6304 |
| - 35 watt AC Ádapter (2 pin barrel) | 85G6719 |
| - 35 watt AC Adapter (slim, 2 pin)  | 76H0139 |
| - 8 x CD-ROM                        | 83H6726 |
| - 2.1GB HDD 13ms 4000 rpm           | 82H8175 |
|                                     |         |

Fn + F2 = Battery guage Fn + F3 = Standby Fn + F4 = Suspend

= LCD/CRT/Simultaneous

Fn + F7 = LCD/CRT/Sir Fn + F11 = Power mgmt Fn + F12 = Hibernation

Disk is not removable (like 755/760 systems), but it can be upgraded via a screwdriver

when turning on.

810MB = DMA Mode 2 or PIO Mode 4 1.08GB = DMA Mode 2 or PIO Mode 4 1.35GB = DMA Mode 2 or PIO Mode 4

#### **FEATURES OF 365 MODELS**

Quick Setup Guide LED indicator panel Plug and Play 1.0a

Doze, standby, suspend, safe suspend, and hibernation modes

US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service

24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service

Online Housecall (remote diagnostics)

#### III ThinkPad 370C (non-US) - withdrawn

| IBM <sup>®</sup> ThinkPad <sup>®</sup> :  |  |   |   | 370C is positioned between<br>Pad 360 and ThinkPad 755 family   |
|---|--|---|---|---|
| Processor type Processor speed Memory cache Coprocessor socket Processor / L2 upgrade Removable diskette Removable CD-ROM | InteIDX4 75/25 MHz / 3.3 volt 16 KB internal (no L2 cae Integrated in DX4 None 3.5" 1.44 MB  / support | che)<br>s internal 2.88 MB diskette   | DX4 75/<br>DX4 DX4 DX4 DX4 DX4 DX4 DX4 DX4 DX4 DX4 | es over ThinkPad 360CE /25 MHz (vs DX2 50/25) olor TFT (vs 8.4" color TFT) Matrix TFT (vs not Black Matrix) max mem (vs 20 MB max memory)   |
| Price Type - model Removable disk - size Hard drive - speed Available date Withdrawn date                                 | 9545-QPC<br>340 MB   | 16 MB DIMM w/ Parity<br>4 MB IC DRAM 70 ns Parity<br>8 MB IC DRAM 70 ns Parity          | 84G21<br>84G65<br>84G21<br>92G72<br>92G72<br>92G72<br>rity 92G72  | Liftable (pop-up) keyboard to access and remove diskette drive, disk, battery, and memory   |
| Display - type<br>Display - colors<br>Display - techology<br>Display - diagonal size                                      | 256 simultaneous colors<br>Black Matrix TFT - active<br>10.4 inch / 100 to 1 contr                     | 8 MB IC DRAM 70 ns non-Pa<br>16 MB IC DRAM 70 ns non-Pa<br>rast ratio / 180 degree tilt | ritý 92G72:   | The removed diskette drive can be used externally via the optional 'FDD External Kit' (includes cable and enclosure) to the Port Replicator Model I and II and Dock I                                   |
| Graphics - controller<br>Graphics - vendor<br>Graph - arch/data path  |  | I MB DRAM<br>al SVGA to 1024 x 768 with 256 colors (u<br>/ Simultaneous LCD and CRT     | p to 75 Hz)   | and II.  Diskette drive can be removed  0 to reduce weight  |
| Memory - std / max<br>Mem - sockets empty<br>Mem - options available  | 4 MB / 36 MB 70 ns / no<br>1 socket<br>2, 4, 8, 16 MB ICs or 4, 8<br>work on optional Mem              | ① 1 open socket fo<br>ory card for 20 MB  | r IC mem-<br>max or   | ② to insert cellular modem (CDPD) ③ to insert TV Tuner (for on screen TV and VCR playback) ④ to insert 2.88 MB diskette   |
| Keyboard / # of keys  | Full size alp/num / 85 key   | of 36 MB with 4, 8,   | or  | <ul><li>to insert 2.86 MB diskette</li><li>to add other third party options</li></ul>   |
| Fn key functions<br>Keyboard slope<br>Mouse/pointing<br>Ext keyboard support  | 8 (in any appl) Yes (legs pop out) TrackPoint II™ Yes (with optional cable)                            | 16 MB JEDEC 72 p<br>DIMMs on optional<br>Module Adapter                                 |   | PREINSTALLED APPLICATIONS - IBM PC DOS 7.0 - Windows 3.11   |
| Dimensions<br>Cubic inches<br>Color<br>Weight (with battery)  | 11.7 x 8.3 x 2.0"<br>194 inches<br>Black<br>6.3 pounds   | Fn key functions: - Fuel guage (batte - Standby mode - Suspend mode - Audio beep on     | ery)  | IBM PC Card Director for PCMCIA     IBM ThinkPad Demo     Online Users Guide     ThinkPad features; Diskette Factory  |
| Battery - type<br>Batt - life (per battery)<br>Charge time - on / off   | Nickel hydride (NiMH) / in<br>2.9 to 8 hours<br>2 hrs / 1.5 hr   | ntelligent - Audio beep off<br>- LCD or CRT or be<br>- Power mode swit                  | ching   | Lotus® cc:Mail, for the IBM Global® network,     Lotus Organizer 1.12   |
| Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports                                    | AT bus (ISA) Dock I and II Port Replicator I and II 2 Type I or 2 Type II or 1 Yes (one 9 pin) 16550B/ |   |   | <ol> <li>Lotus ScreenCam 1.0,</li> <li>Official Airline Guide Flight Disk® 1.0</li> <li>Triton CoSession™ Host,</li> <li>PRODIGY®,</li> <li>SofNet FaxWorks™ 3.0</li> <li>Farallon® Replica™</li> </ol> |
| Other features  | APM-aware BIOS / Select  | ctable boot<br>orldwide, 3 pin, not wallmount   |   | Sedona REPRINT™   |
| Audio support<br>Security   | Audio beep only<br>Power-on password / Ha  | ord disk password / Supervisor Password it and prevents opening keyboard) /             | / Hardware  | 11. COMPEL™ Personal Edition 12. Video for Windows™ 1.1 Runtime   |
| Preinstalled software<br>Warranty<br>Warranty options   | IBM DOS 7.0, Windows™<br>1 year - ThinkPad EasyS<br>Onsite via special bid onl                         |   |   |   |
| The ThinkPad 370 fami   | ily has the same<br>ThinkPad 360, 750, and   | Compatible in all 360 family, 370 family family, and 755 family:                        | 7,750   | FEATURES OF 370C FAMILY   |

755 family.

PC Card Director™ (EasyPlaying) is preinstalled and on the utility diskette for DOS, Windows and OS/2. It provides:

- automatic config of many PCMCIA cards;
   visual/audible confirmation of insertion/
- removal of cards:
- ability to automatically launch an appl (e.g. async emulation) when card inserted;

  status and info on PCMCIA cards installed.

Easy-Setup is entered by holding F1 when turning on. Easy-Setup, BIOS, and diagnostics are located in flash memory.

ThinkPad 370C supported batteries:

- 750 NiMH battery 66G2846 - 750 Quick Charger 66G2843

| arring, arr | a 7 00 fairing.  |         |
|-------------|------------------|---------|
| Disks:      | 170 MB IDE       | 66G2847 |
|             | 250 MB IDE       | 84G2391 |
|             | 340 MB IDE       | 66G2849 |
|             | 540 MB IDE       | 84G2150 |
|             | 810 MB IDE       | 84G8250 |
|             | 1.2 GB IDE       | 85G8562 |
| Dock I      | (1 slot / 1 bay) | 3545001 |
| Dock II     | (2 slot / 2 bav) | 3546001 |

- Port Replicator I (w/ PCMCIA) 66G3510 Port Replicator II 1.44 MB diskette 66G3520 std in newer

66G0108

- 2.88 MB diskette

Options for 370C:

- TV Tuner 66G3689 - CDPD Mobile module 71G2560 - Car Battery Adapter 49G2167 - FDD External Attachment Kit 66G3618

IC DRAM memory from ThinkPad 700, 720, 750, and 755 will work but without parity

3 power saving modes: standby, suspend, and hibernation Personalized nameplate in molded indentation

External VGA is ISO capable (75 Hz) Upgradeable disks: 170 MB, 250 MB, 340MB,

540 MB, 810 MB, 1.2 GB (all 2.5 inch) Battery life indicator

Non-disruptive battery exchange US EPA Energy Star compliant

#### **HELPWARE**

International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM or dealer warranty/service Online Housecall (remote diagnostics) 30 day money back guarantee

ThinkPad EasyServ™: customer calls 1-800-565-3344 in Canada, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround).

□ = Upgradeable; ○ = Removable; ≈ = withdrawn from marketing

All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (370) Compiled by Roger Dodson, IBM. June 1996

| IBM <sup>®</sup> ThinkPad <sup>®</sup> :  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|
| Processor type  | 12.1" SVGA DSTN Pentium® 150/60 MHz / 6  | 4 bit transfer to L2 cache / 64 bit transfer   | r to memory  | ,  |  |  |  |  |
| Processor upgrade<br>L2 cache<br>Diskette drive<br>External FDD port  | None 256 KB / write-through / direct mapped / 8 ns / synchronous pipelined burst Internal 3.5" 1.44 MB / use simultaneously with CD-ROM / on right side None since diskette internal |  |  |  |  |  |  |  |
| CD-ROM  | None standard / 8 x CD-ROM internal option available (not customer install)  |  |  |  |  |  |  |  |
| Type - model (code) Preload (see side) Avail / withdrawn date Pentium speed Disk - size / ms Disk controller  | 2635-10U<br>Windows 95 OSR2<br>May 1997 / January 1998<br>150/60 MHz<br>1.08 GB / 13 ms / PIO Mo<br>EIDE / PCI 2.1 / supports  |  | support / n  | All-in-one integration means the disk, diskette drive, and CD-ROM are all within the covers of the notebook; keyboard does not lift up ot removeable / upgrade only by IBM or dealer   |  |  |  |  |
| Display - size and type<br>Display - techology  | 12.1 inch DSTN color<br>SVGA / 640 x 480 or 800 x<br>Dual scan<br>65,536 simultaneous color  |  |  |  |  |  |  |  |
| Graphics - controller   | NeoMagic™ MagicGraph   | 1128ZV™ (NM2093) /128 bit SVGA accel   | lerator / Zoo  | omed Video support / DDC1 and DDC2B  |  |  |  |  |
| Graph - arch/data path<br>Graphics - features   |  | VGA to 1024 x 768 with 256 colors  | erpolation ii  | n X and Y axis / support for DCI, DirectDraw   |  |  |  |  |
| Memory - std / max<br>Memory - features   | 16 MB / 80 MB / non-parity<br>1 socket for one JEDEC 1   | / / 3.3 volt / EDO<br>44 pin EDO SO DIMM of 8, 16, 32, or 64   | 4 MB / sock  | et accessed from bottom via screw  |  |  |  |  |
| Keyboard / # of keys<br>External keyboard<br>Pointing / palm rest   | Full size alp/num / 85 (6 Fr<br>External keyboard support<br>TrackPoint III™ / no drag lo  | n key functions) / keyboard slope with Por<br>with option cable 06G8619 or Port Replic<br>ock keys                               | t Replicator   | WINDOWS 95 PRELOAD  - Microsoft Windows 95 OSR2 (FAT16)  - Online User's Guide   |  |  |  |  |
| Dimensions<br>Weight  | 11.8 x 9.2 x 2.4" (260 cubi<br>6.6 pounds (2.96 kg)  | c inches)  |  | - ThinkPad Features Program<br>- SystemSoft CardWorks™   |  |  |  |  |
| Battery - type / life<br>Charge time - on / off   | NiMH / non-intelligent / 2.2<br>3.5 to 10 hrs / 2.8 hrs  | hrs  |  | - Diskette Factory and Utilities<br>1. Triton CoSession™ Host  |  |  |  |  |
| Architecture  | ISA (audio, diskette, serial   | EIDE, graphics, PCMCIA, Port Replicato<br>, parallel, infrared)<br>PCIset / Intel 82371MX PIIX / NS PC8733                       | ,  | NetFinity for Windows 95     Puma TranXit™     IntelliLink Connect   |  |  |  |  |
| Docking Station<br>Port replicator  | 3 ThinkPad 380/385 Port F  | rt Replicator, © ThinkPad 560 Port Replic<br>Replicator  | ·  | IBM Anti-Virus     IGN/Netscape Navigator browser     Media Player   |  |  |  |  |
| PCMCIA™ slots   | PCMCIA 2.1 compatible / F  | /pe III / Zoomed Video support in lower<br>C Card Standard 95 / Cirrus Logic CL-PD   | slot /<br>06729 (PCI)  | 8. IntelliQuest Registration Mailer     9. CompuServe WinCIM   |  |  |  |  |
| Serial / parallel ports<br>Other features   | APM-aware BIOS / Univer  | EEE P1284-A, EPP, ECP, bidirectional)<br>s AC adapter, barrel (35 watts) / Selectab  | ole boot   | 10. Lotus Organizer<br>11. Ergonomics<br>12. Marketing Demo  |  |  |  |  |
| Video in/out<br>Data/fax modem<br>Audio support   |  | e MIDI FM Synthesis / Crystal Semiconducto<br>ratt / dial volume control / internal mic / ful                                    |  | Lotus SmartSuite CD-ROM     Recovery CD-ROM with boot diskette     Windows 95 CD-ROM (no installation)   |  |  |  |  |
| Audio in/out jacks<br>Infrared ports  | Input/microphone jack (ste   | reo) / output jack (stereo) / no joystick po<br>/ IrDA 1.1 compatible / up to 4 Mbps   |  | Fn + F2 = Battery guage  |  |  |  |  |
| Security Preinstalled software  | •  | d disk password / security keyhole   |  | Fn + F3 = Standby<br>Fn + F4 = Suspend   |  |  |  |  |
| Warranty<br>Service options   | 1 year - ThinkPad EasySe   | R2 wth applications (listed on right) rv (optional Overnight Repair Option) or c s day (71 cities) / warranty extension to 3     | carry-in<br>or 5 years   | Fn + F7 = LCD/CRT/Simultaneous<br>Fn + F11 = Power mgmt<br>Fn + F12 = Hibernation  |  |  |  |  |
| provide cable manage  | nced Port Replicator<br>ement, additional I/O ports,<br>d slots. Features include:   |  | 92G7340<br>92G7341   | Easy-Setup is entered by holding F1 when turning on.   |  |  |  |  |
| - Dual IBM lock slots<br>380, PC Cards, and<br>Port Replicator conne  | ·  | - 64 MB SO DIMM 3.3v NP EDO 64 bit<br>- ThinkPad 560 Port Replicator   | <b>92G7342</b><br><b>76H0268</b><br>46H4209<br>84G1316   | 1.08 GB = DMA Mode 2 or PIO Mode 4<br>1.35 GB = DMA Mode 2 or PIO Mode 4<br>2.1 GB = DMA Mode 2 or PIO Mode 4  |  |  |  |  |
| - USB<br>- Serial (9 pin); paralle<br>- External display (15  | el (EPP, ECP, 25 pin)  | - ThinkPad Sol/365 Port Replicator - ThinkPad Enhanced Port Replicator - Li-Ion Battery Pack - 35 watt AC Adapter (slim, barrel) | 3.2 GB = Ultra DMA/33 or PIO Mode 4<br>5.1 GB = Ultra DMA/33 or PIO Mode 4   |  |  |  |  |  |
| - Keyboard<br>- Mouse   |  | - 8 x CD-ROM<br>- 2.1 GB HDD 13 ms   | FEATURES OF 380 MODELS  Quick Setup Guide  |  |  |  |  |  |
| - External diskette dri<br>- Power connector (re<br>run on battery)   | 15 pin) - not on system<br>ve conntr - not on system<br>equires AC power; can not  | - 3.2 GB Disk 13 ms<br>- 5.1 GB Disk 12 ms<br>- 33.6 Kbps Modem with XJACK<br>- 56K PC Card Modem Kit                            | System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe) and hibernation modes US EPA Energy Star compliant Personalization screen at startup |  |  |  |  |  |
| Features of the PC C: - Two Type III slots (s - PC Card Standard 9 - CardBus compliant - 8/16 bit PC Card sur - Texas Instruments F - Requires no PCI-to- | ide by side)<br>5 compliant<br>(PCI 2.1 / 32 bit)<br>oport (no Zoomed Video)<br>PCI1131 controller   |  |  | International Warranty Service IBM SystemXtra Program 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics) |  |  |  |  |

| IBM® ThinkPad®:  | → 380D<br>12.1" SVGA DSTN or TFT / 8 x CD-ROM   |  |   |  |  |  |  |  |
|--|---|--|---|--|--|--|--|--|
| Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM  | Pentium <sup>a</sup> 150/60 MHz or 150/60 MHz with MMX <sup>™</sup> technology/ 64 bit transfer to L2 cache / 64 bit transfer to memory None 256 KB / write-through / direct mapped / 8 ns / synchronous pipelined burst Internal 3.5" 1.44 MB / use simultaneously with CD-ROM / on right side None since diskette internal 5.25" CD-ROM / 8 x speed / multi-session / XA / ATAPI / not bootable / not removable / on right side |  |   |  |  |  |  |  |
| Type - model (code)<br>Preload (see side)<br>Avail / withdrawn date<br>Pentium speed<br>Disk - size / ms<br>Disk controller  | 2635-2AU<br>Windows 95 OSR2<br>May 1997 / January 1998<br>150/60 MHz<br>1.35 GB / 13 ms / PIO Mod<br>EIDE / PCI 2.1 / supports of   | 2635-3AU Windows 95 OSR2 diskette drive, and CD-ROM are al the covers of the notebook; home internal disk / no DMA or busmaster support / not removeable / upgrade only by IBM of the covers of the notebook; has a cover o |   |  |  |  |  |  |
| Display - techology  | 12.1 inch DSTN color<br>SVGA / 640 x 480 or 800 x<br>Dual scan<br>65,536 sim colors / 30 to 1   | contrast   | 12.1 inch TFT color<br>SVGA / 640 x 480 or 800<br>Black Matrix TFT - active<br>65,536 simultaneous colo         | e matrix<br>ors / 100 to 1 o   |  |  |  |  |
| Graphics - controller Graph - arch/data path Graphics - features   | NeoMagic™ MagicGraph<br>1.125 MB / iDRAM™ (emb<br>PCI 2.1 / 32 bit / external S<br>Simultaneous LCD and CR  | edded) / cold<br>VGA to 1024   | or space conversion and in x 768 with 256 colors  | elerator / Zoo<br>Iterpolation i   | omed Video support / DDC1 and DDC2B<br>n X and Y axis / support for DCI, DirectDraw  |  |  |  |
| Memory - std / max<br>Memory - features  | 16 MB / 80 MB / non-parity<br>1 socket for one JEDEC 1  |  |   | 64 MB / sock   | et accessed from bottom via screw  |  |  |  |
| Keyboard / # of keys<br>External keyboard<br>Pointing / palm rest  | Full size alp/num / 85 (6 Fn<br>External keyboard support<br>TrackPoint III™ / no drag lo   | key function<br>with option c  | s) / keyboard slope with Po   | ort Replicator   | WINDOWS 95 PRELOAD  - Microsoft Windows 95 OSR2 (FAT16)  - Online User's Guide   |  |  |  |
| Dimensions<br>Weight   | 11.8 x 9.2 x 2.4" (260 cubi<br>7.1 pounds (3.2 kg)  | c inches)  | 6.9 pounds (3.1 kg)   |  | - ThinkPad Features Program  |  |  |  |
| Battery - type / life<br>Charge time - on / off  | 3.5 to 9 hrs / 2.5 to 3.5 hrs   | 7.1 pounds (3.2 kg)  NiMH / non-intelligent / 2.0 hrs  Visual Spounds (3.1 kg)  - SystemSoft CardWorks™  - Diskette Factory and Utilities  |   |  |  |  |  |  |
| Architecture   | PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, PCMCIA, Port Replicator) ISA (audio, diskette, serial, parallel, infrared) Intel® Mobile Triton 82430 PCIset / Intel 82371MX PIIX / NS PC87338 None ① ThinkPad Enhanced Port Replicator, ② ThinkPad 560 Port Replicator, ③ ThinkPad 380/385 Port Replicator  |  |   |  |  |  |  |  |
| Docking Station<br>Port replicator   |   |  |   |  |  |  |  |  |
| PCMCIA™ slots  | 2 Type II or 1 Type III / Zoomed Video support in lower slot / PCMCIA 2.1 compatible / PC Card Standard 95 / Cirrus Logic CL-PD6729 (PCI)  8. IntelliQuest Registration Mailer 9. CompuServe WinCIM   |  |   |  |  |  |  |  |
| Serial / parallel ports<br>Other features  | One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)  APM-aware BIOS / Univers AC adapter, barrel (35 watts) / Selectable boot  10. Lotus Organizer 11. Ergonomics 12. Marketing Demo  |  |   |  |  |  |  |  |
| Video in/out<br>Data/fax modem<br>Audio support  | None None 16 bit audio chip / 20 voice  |  |   | Lotus SmartSuite CD-ROM     Recovery CD-ROM with boot diskette     Windows 95 CD-ROM (no installation)   |  |  |  |  |
| Audio in/out jacks<br>Infrared ports   | One internal speaker / .5 w<br>Input/microphone jack (ste<br>Infrared port on left side A   | reo) / output j  | jack (stereo) / no joystick p   |  | Fn + F2 = Battery guage  |  |  |  |
| Security Preinstalled software   | Power-on password / Hard  | <u> </u>   |   |  | Fn + F3 = Standby<br>Fn + F4 = Suspend   |  |  |  |
| Warranty Service options   | Microsoft Windows 95 OSF<br>1 year - ThinkPad EasySel<br>On-site, M-F, 8-5, next bus  | rv (optional C   | vernight Repair Optión) or  | carry-in<br>3 or 5 years   | Fn + F7 = LCD/CRT/Simultaneous<br>Fn + F11 = Power mgmt<br>Fn + F12 = Hibernation  |  |  |  |
|  | nced Port Replicator<br>ement, additional I/O ports,<br>d slots. Features include:  | -8 MB SO [   | ThinkPad 380:<br>DIMM 3.3v NP EDO 64 bit<br>DIMM 3.3v NP EDO 64 bit   | 92G7340<br>92G7341   | Easy-Setup is entered by holding F1 when turning on.   |  |  |  |
| - Dual IBM lock slots t<br>380, PC Cards, and  | to secure the ThinkPad<br>Port Replicator   | - 64 MB SO   | DIMM 3.3v NP EDO 64 bit<br>DIMM 3.3v NP EDO 64 bit<br>560 Port Replicator                                       | <b>92G7342</b><br><b>76H0268</b><br>46H4209  | 1.08 GB = DMA Mode 2 or PIO Mode 4<br>1.35 GB = DMA Mode 2 or PIO Mode 4   |  |  |  |
| Port Replicator conne<br>- USB<br>- Serial (9 pin); paralle<br>- External display (15  | el (EPP, ECP, 25 pin)   | - ThinkPad<br>- ThinkPad<br>- Li-Ion Bat   | 2.1 GB = DMA Mode 2 or PIO Mode 4<br>3.2 GB = Ultra DMA/33 or PIO Mode 4<br>5.1 GB = Ultra DMA/33 or PIO Mode 4 |  |  |  |  |  |
| - Keyboard<br>- Mouse<br>- Audio in (3.5 mm)<br>- Audio out (3.5 mm)<br>- Joystick/MIDI port (1<br>- External diskette dri   | 15 pin) - not on system ve conntr - not on system quires AC power; can not  | - 8 x CD-R0<br>- 2.1 GB HI<br>- 3.2 GB Di<br>- 5.1 GB Di<br>- 33.6 Kbps  | DD 13 ms<br>sk 13 ms  | FEATURES OF 380 MODELS  Quick Setup Guide System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe) and hibernation modes US EPA Energy Star compliant Personalization screen at startup |  |  |  |  |
| Features of the PC Ca<br>- Two Type III slots (s<br>- PC Card Standard 9<br>- CardBus compliant (<br>- 8/16 bit PC Card sup<br>- Texas Instruments P<br>- Requires no PCI-to-I | ide by side) 5 compliant (PCI 2.1 / 32 bit) poprt (no Zoomed Video) PCI1131 controller  |  |   |  | Personalization screen at startup International Warranty Service IBM SystemXtra Program 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics) |  |  |  |

#### Tim ThinkPad 380E - withdrawn

| IBM <sup>®</sup> ThinkPad <sup>®</sup> :   | <b>380E</b><br>12.1" SVGA FRSTN  |   |  |  |  |  |  |
|--|--|---|--|--|--|--|--|
| Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM  | Pentium® MMX 150/60 MHz / 64 bit transfer to L2 cache / 64 bit transfer to memory  None 256 KB / write-through / direct mapped / 8 ns / synchronous pipelined burst Internal 3.5" 1.44 MB / on right side None since diskette internal None standard / internal 8 x CD-ROM option available (not customer install) |   |  |  |  |  |  |
| Type - model (code) Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller   | 2.1 GB / 13 ms / PIO Mod   |   | All-in-one integration means the disk,<br>diskette drive, and CD-ROM are all within<br>the covers of the notebook;<br>keyboard does not lift up<br>ot removeable / upgrade only by IBM or dealer   |  |  |  |  |
| Display - size and type<br>Display - techology   | 12.1 inch FRSTN color<br>SVGA / 640 x 480 or 800 x<br>Dual scan / Fast Respons<br>65,536 simultaneous color  | e Super Twisted Nematic (FRSTN) / 150 ms / 70 nits  | 3  |  |  |  |  |
| Graphics - controller<br>Graph - arch/data path<br>Graphics - features   | 1.125 MB / iDRAM™ (emb   | a128ZV™ (NM2093) /128 bit SVGA accelerator / Zoo<br>edded) / color space conversion and interpolation i<br>sVGA to 1024 x 768 with 256 colors<br>RT / 150 degree tilt   | omed Video support / DDC1 and DDC2B<br>n X and Y axis / support for DCI, DirectDraw  |  |  |  |  |
| Memory - std / max<br>Memory - features  |  | 44 pin EDO SO DIMM of 8, 16, 32, or 64 MB / sock  | et accessed from bottom via screw  |  |  |  |  |
| Keyboard / # of keys<br>External keyboard<br>Pointing / palm rest  |  | n key functions) / keyboard slope with Port Replicator with option cable 06G8619 or Port Replicator ock keys  | WINDOWS 95 PRELOAD   |  |  |  |  |
| Dimensions<br>Weight   | 11.8 x 9.2 x 2.4" (260 cubi<br>6.7 pounds (3.0 kg)   | ic inches)  | - Microsoft Windows 95 OSR2 (FAT16)<br>- Online User's Guide<br>- ThinkPad Features Program  |  |  |  |  |
| Battery - type / life<br>Charge time - on / off  | NiMH / non-intelligent / 2.0<br>3.5 to 10 hrs / 2.8 hrs  | hrs   | - SystemSoft CardWorks™ - Diskette Factory and Utilities   |  |  |  |  |
| Architecture   | ISA (audio, diskette, serial   | EIDE, graphics, PCMCIA, Port Replicator)<br>, parallel, infrared)<br>PCIset / Intel 82371MX PIIX / NS PC87338   | Artisoft CoSession™ Host     NetFinity for Windows 95     Puma TranXit™  |  |  |  |  |
| Docking Station Port replicator  PCMCIA™ slots  Serial / parallel ports  | None ① ThinkPad Enhanced Pot ③ ThinkPad Enhanced Pot ② Type I or 2 Type II or 1 Ty PCMCIA 2.1 compatible / F One 9 pin; 16550A / one (II   | rt Replicator, ② ThinkPad 560 Port Replicator,  | 4. IBM Anti-Virus 5. IBM Global Network (IGN Dialer) 6. Netscape Navigator browser 7. Media Player 8. IntelliQuest Registration Mailer 9. Ergonomics 10. PointCast (with ThinkPad channel)   |  |  |  |  |
| Other features Video in/out MPEG decoder Data/fax modem Audio support Audio in/out jacks   | None<br>None (software support for<br>None<br>16 bit audio chip / 20 voice<br>One internal speaker / .5 w<br>Input/microphone jack (ste  | MPEG-1 in Windows 95)  e MIDI FM Synthesis / CS4236B  vatt / dial volume control / int mic / full duplex spk/mic  ereo) / output jack (stereo) / no joystick port   | 11. Marketing Demo 12. Voyetra Audio Station 13. Quicken SE - Lotus SmartSuite CD-ROM - Recovery CD-ROM with boot diskette   |  |  |  |  |
| Infrared ports Security  | <u> </u>   | / IrDA 1.1 compatible / up to 4 Mbps disk password / security keyhole / personalization   | Fn + F2 = Battery guage<br>Fn + F3 = Standby   |  |  |  |  |
| Preinstalled software<br>Warranty<br>Service options   | Microsoft Windows 95 OSI<br>1 year - ThinkPad EasySe   | R2 wth applications (listed on right) rv (depot repair service) or carry-in s day (71 cities) / warranty extension to 3 or 5 years  | Fn + F4  |  |  |  |  |
| and CardBus PC Card  | ement, additional I/O ports,<br>d slots. Features include:   | OPTIONS - 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340 - 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341  | Easy-Setup is entered by holding F1 when turning on.   |  |  |  |  |
| 380, PC Cards, and Port Replicator conne - USB - Serial (9 pin); paralle - External display (15 - Keyboard - Mouse - Audio in (3.5 mm) - Audio out (3.5 mm) - Joystick/MIDI port (1 - External diskette dri - Power connector (re<br>run on battery) Features of the PC Ca<br>- Two Type III slots (5<br>- PC Card Standard 9<br>- CardBus compliant ( | ctors: el (EPP, ECP, 25 pin) pin)  15 pin) - not on system ve conntr - not on system quires AC power; can not ard slots: ide by side) 5 compliant PCI 2.1 / 32 bit) port (no Zoomed Video) CI1131 controller   | - 16 MB SO DIMM NP EDO 64 bit (new) 01K1124 - 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342 - 64 MB SO DIMM 3.3v NP EDO 64 bit 76H0268 - ThinkPad 560 Port Replicator 46H4209 - ThinkPad 380/385 Port Replicator 84G1316 - ThinkPad 380/385 Li-lon Battery (old) 73H9793 - ThinkPad 380/385 Li-lon Battery 02K6507 - 35 watt AC Adapter (barrel, slim) 76H0139 - 56 watt AC Adapter (barrel; 3 prong) 83H6739 - 8 x CD-ROM 73H9795 - 2.1 GB Disk 13 ms 73H9797 - 3.2 GB Disk 13 ms 02K0487 - 3.1 GB Disk 12 ms 02K0506 - 33.6 Kbps Modem with XJACK 55H6759 - 56K PC Card Modem/Cellular Capable 02K4196 | 1.08 GB = DMA Mode 2 or PIO Mode 4 1.35 GB = DMA Mode 2 or PIO Mode 4 2.1 GB = DMA Mode 2 or PIO Mode 4 3.0 GB = DMA Mode 2 or PIO Mode 4 5.1 GB = Ultra DMA/33 or PIO Mode 4  FEATURES OF 380 MODELS  Quick Setup Guide System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe) and hibernation modes US EPA Energy Star compliant Personalization screen at startup International Warranty Service IBM SystemXtra Program 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics) |  |  |  |  |

| IBM® ThinkPad®   |   |  |   |  |  |  |  |
|--|---|--|---|--|--|--|--|
| Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM  | Pentium® MMX™ 166/66MHz¹ / 64-bit transfer to L2 cache / 64-bit transfer to memory None  256KB / write-through / direct mapped / 8ns / synchronous pipelined burst Internal 3.5" 1.44MB / use simultaneously with CD-ROM / on right side None since diskette internal  5.25" CD-ROM / 20X-8X⁵ speed / CAV / multi-session / XA / ATAPI / not bootable / not removable / on right side |  |   |  |  |  |  |
| Type - model<br>Preload (see side)<br>Avail / withdrawn date<br>Disk - size / ms<br>Disk controller  | > 2635-5AU<br>Windows 95 OSR2<br>September 1997 / Septem<br>2.1GB <sup>4</sup> / 13ms / PIO Mod   | ber 1998<br>e 4  | > 2635-6AU<br>Windows 95 OSR2<br>September 1997 / Septem<br>3.0GB / 13ms / PIO Mod  | : 2635-7AU<br>indows 95 OSR2<br>eptember 1997 / September 1998<br>1GB / 12ms / PIO Mode 4<br>not removeable / upgrade only by IBM or dealer  |  |  |  |
| Display - size and type<br>Display - techology   | 12.1 inch FRSTN color<br>SVGA / 640x480 or 800x6<br>Dual scan / FRSTN / 150i<br>65,536 sim colors / 35 to 1   | ms / 70 nits Active Matrix TFT / 75ms / 100 nits   |   |  |  |  |  |
| Graphics - controller<br>Graph - arch/data path<br>Graphics - features   | NeoMagic™ MagicGraph<br>1.125MB / iDRAM™ (emb<br>PCI 2.1 / 32-bit / external S<br>Simultaneous LCD and CF   | edded) / cold<br>SVGA to 102   | or space conversion and in<br>4 x 768 with 256 colors   | elerator / Zo<br>terpolation i   | omed Video support / DDC1 and DDC2B<br>n X and Y axis / support for DCI, DirectDraw  |  |  |
| Memory - std / max<br>Memory - features  | 16MB / 80MB / non-parity<br>1 socket for one JEDEC 1  |  |   | 64MB / sock  | et accessed from bottom via screw  |  |  |
| Keyboard / # of keys<br>External keyboard<br>Pointing / palm rest  |   | t with option (  | ns) / keyboard slope with Po<br>cable 06G8619 or Port Rep   |  | WINDOWS 95 PRELOAD16   |  |  |
| Dimensions<br>Weight <sup>2</sup>  | 11.8 x 9.2 x 2.4" (260 cub<br>7.0 pounds (3.2 kg)   |  |   |  | Microsoft Windows 95 OSR2 (FAT16)     Online User's Guide     Think Bod Footures Program   |  |  |
| Battery - type / life <sup>10</sup><br>Charge time - on / off  | Li-lon / non-intelligent / 2.0<br>4.2 to 12 hrs / 3.3 hrs   | hrs  | Li-lon/non-intelligent/2.5  | hrs  | <ul> <li>ThinkPad Features Program</li> <li>SystemSoft CardWorks™</li> <li>Diskette Factory and Utilities</li> </ul>   |  |  |
| Architecture   | PCI 2.1 / 32-bit / 33MHz (I<br>ISA (audio, diskette, seria<br>Intel® Mobile Triton 82430  | I, parallel, inf   | Artisoft CoSession™ Host     NetFinity for Windows 95     Puma TranXit™   |  |  |  |  |
| Docking Station Port replicator  PCMCIA™ slots   | None ① ThinkPad Enhanced Po ③ ThinkPad 380/385 Port I 2 Type I or 2 Type II or 1 T; PCMCIA 2.1 compatible / F   | rt Replicator,<br>Replicator<br>ype III <b>/ Zoor</b><br>PC Card Stan  | IBM Anti-Virus     IBM Global Network (IGN Dialer)     Netscape Navigator browser     Media Player     IntelliQuest Registration Mailer     Ergonomics  |  |  |  |  |
| Serial / parallel ports Other features Video in/out MPEG decoder Data/fax modem Audio support  | One 9 pin; 16550A / one (I<br>APM-aware BIOS / Univer:<br>None<br>None (software support fo<br>None<br>16-bit audio / 20 voice MIE<br>One internal speaker / .5 v   | sal AC adaptor<br>r MPEG-1 in<br>DI FM Synthes<br>vatt / dial volu   | <ul> <li>PointCast (with ThinkPad channel)</li> <li>Marketing Demo</li> <li>Voyetra Audio Station</li> <li>Quicken SE</li> <li>Lotus® SmartSuite CD-ROM</li> <li>Recovery CD-ROM with boot diskette</li> <li>Windows 95 CD-ROM (no installation)</li> </ul> |  |  |  |  |
| Audio in/out jacks<br>Infrared ports   | Infrared port on left side  | / IrĎA 1.1 co  | <u> </u>  |  | Fn + F2 = Battery guage<br>Fn + F3 = Standby   |  |  |
| Security Preinstalled software Limited warranty <sup>11</sup> Service options <sup>15</sup>  | Microsoft® Windows® 95 C<br>1 year - ThinkPad EasySe  | SR2 wth apperv (door-to-d  | ord / security keyhole / persolications (listed on right)<br>oor depot repair service) or<br>es) / warranty extension to  | r carry-in   | Fn + F4 = Suspend<br>Fn + F7 = LCD/CRT/Simultaneous<br>Fn + F11 = Power mgmt<br>Fn + F12 = Hibernation   |  |  |
|  | ced Port Replicator<br>ement, additional I/O ports,<br>d slots. Features include:   |  | OPTIONS<br>DIMM 3.3v NP EDO 64-bit<br>DIMM 3.3v NP EDO 64-bit   | 92G7340<br>92G7341   | Easy-Setup is entered by holding F1 when turning on.   |  |  |
| - Dual IBM lock slots t<br>380, PC Cards, and I<br>Port Replicator conne<br>- USB<br>- Serial (9 pin), paralle   | ctors:  | - 16MB SO<br>- 32MB SO<br>- 64MB SO<br>- ThinkPac<br>- ThinkPac  | DIMM NP 64-bit (new)<br>DIMM 3.3v NP EDO 64-bit<br>DIMM 3.3v NP EDO 64-bit<br>1560 Port Replicator<br>1380/385 Port Replicator  | 1.08GB = DMA Mode 2 or PIO Mode 4<br>1.35GB = DMA Mode 2 or PIO Mode 4<br>2.1GB = DMA Mode 2 or PIO Mode 4<br>3.0GB = DMA Mode 2 or PIO Mode 4<br>5.1GB = Ultra DMA/33 or PIO Mode 4 |  |  |  |
| - External display (15 - Keyboard - Mouse - Audio in (3.5 mm) - Joystick/MIDI port (1 - External diskette driv - Power connector (re run on battery) Features of the PC Ca - Two Type III slots (s - PC Card Standard 9: - CardBus compliant ( | pin) 5 pin) - not on system 7 c conntr - not on system 9 quires AC power; can not 1 ard slots: 1 de by side) 5 compliant 1 PCI 2.1 / 32-bit) 1 poport (no Zoomed Video) 1 Cl1131 controller   | - ThinkPac<br>- ThinkPac<br>- 35 watt A<br>- 56 watt AR<br>- 8X CD-R<br>- 2.1GB Di<br>- 3.2GB Di<br>- 5.1GB Di<br>- 33.6Kbps | Enhanced Port Replicator<br>380/385 Li-Ion Battery (old)<br>380/385 Li-Ion Battery<br>C Adapter (barrel; slim)<br>Adapter (barrel; 3 prong)<br>DM<br>sk 13ms<br>sk 13ms   |  | FEATURES  Quick Setup Guide System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe) and hibernation modes ENERGY STAR compliant Personalization screen at startup International Warranty Service 14 IBM SystemXtra <sup>TM</sup> 24 hour / 7 day telephone 30, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support IBM and dealer warranty/service Online Housecall (remote diagnostics) |  |  |

| IBM <sup>®</sup> ThinkPad <sup>®</sup>   |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
| Processor type Processor features L2 cache Diskette drive External FDD port CD-ROM   | No upgrade / processor, I<br>512KB / write-through / di<br>Internal 3.5" 1.44MB / use<br>None since diskette intern  | 33/66 or 266/66MHz <sup>1</sup> / 64-bit to L2 cache and memo<br>2 cache, and MTXC (North Bridge) on Intel Mobile I<br>rect mapped / 8.5ns data; 15ns tag / sync pipelined<br>simultaneously with CD-ROM / on right side<br>al<br>speed / CAV / multi-session / XA / ATAPI / bootable  | Module disk, diskette drive, and CD-ROM burst are all within the covers of the notebook; removable disk; keyboard does not lift up   |  |  |  |  |
| Type - model Processor Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller  | 2635-8AU<br>233/66MHz<br>Windows 95 OSR2<br>March 1998 / September 1<br>3.2GB <sup>4</sup> / 13ms / PIO Mod  | 2635-BAU (Auth Assb Prog)<br>233/66MHz<br>None<br>998 March 1998 / Sept 1998 March 1998 /  | 2635-AAU<br>266/66MHz<br>266/66MHz<br>Windows 95 OSR2<br>March 1998 / Sept 1998<br>s / PIO 4<br>5.1GB / 12ms / PIO Mode 4  |  |  |  |  |
| Display - size and type<br>Display - techology   | <b>SVGA</b> / 640x480 or 800x6<br>Dual scan / HPA / 150ms /  |  | contrast ratio ratio   |  |  |  |  |
| Graphics - controller Graph - arch/data path Graphics - features   | 2MB / iDRAM™ (embedde  | a128XD <sup>TM</sup> (NM2160B) /128-bit SVGA accelerator / Zed) / color space conversion and interpolation in X a SVGA to 1024x768 with 65,536 colors  |  |  |  |  |  |
| Memory - std / max<br>Memory - features  | 32MB / 96MB / non-parity<br>1 socket for one JEDEC 1   | / 3.3 volt / EDO / 60ns<br>44 pin EDO SO DIMM of 8, 16, 32, or 64MB / socke  | et accessed from bottom via screw  |  |  |  |  |
| Keyboard / # of keys External keyboard Pointing / palm rest  | Full size alp/num / 85 (6 F  | n key functions) / keyboard slope with Port Replicator with option cable 06G8619 or Port Replicator  | WINDOWS 95 PRELOAD <sup>16</sup> - Microsoft Windows 95 OSR2.1 (FAT16)   |  |  |  |  |
| Dimensions / weight <sup>2</sup>   | ,  | ic inches) / 7.1 pounds (3.2 kg)   | Online User's Guide  |  |  |  |  |
| Battery - type / life <sup>10</sup><br>Charge time - on / off  | Li-lon / non-intelligent / 8<br>4.2 to 12 hrs / 3.3 hrs  | AU: 3.5 hrs; 9AU: 4.5 hrs; AAU: 4.0 hrs  | <ul> <li>ThinkPad Configuration Program</li> <li>SystemSoft CardWorks™</li> </ul>  |  |  |  |  |
| Architecture   | PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, PCMCIA, USB) ISA (audio, diskette, serial, parallel, infrared) / NS PC97338 (FDC, IR, I/O) Intel Triton 430TX PCIset / Intel PIIX4 (EIDE, USB, PCI to ISA bridge)  Texas Instruments® TI1250A PCMCIA controller  Puma TranXit™ |  |  |  |  |  |  |
| Docking station<br>Port replicator   | None   | rt Replicator, ② ThinkPad 560 Port Replicator,   | IBM Anti-Virus     IBM Global Network (IGN Dialer)     Netscape Navigator browser     Intel LANDesk Client Manager (via web)   |  |  |  |  |
| PCMCIA™ slots  USB / serial / parallel  Other features   | PCMCIA 2.1 compatible / One USB / one 9 pin; 165   | Fype III / CardBus 32-bit PCI / Zoomed video PC Card Standard 95 50A / one (IEEE P1284-A, EPP, ECP, bidirectional) sal AC adapter; barrel (56 watts)   | IntelliQuest Registration Mailer     Ergonomics     PointCast (with ThinkPad channel)  |  |  |  |  |
| Video in/out<br>MPEG decoder<br>Data/fax modem<br>Audio<br>Speakers<br>Audio features<br>Audio in/out jacks<br>Infrared ports  | None None (software support for None 16-bit / CS4237B / SRS 3 Two front stereo speakers Dial volume control (left so Input/microphone jack (st   | or MPEG-1 in Windows 95)   | <ul> <li>Marketing Demo</li> <li>Tivoli Lightweight Client Framework</li> <li>ThinkPad on the Net</li> <li>Personalization Editor</li> <li>ThinkPad Customization</li> <li>Lotus SmartSuite 97</li> <li>Recovery CD-ROM with boot diskette</li> <li>Windows 95 CD-ROM (no installation</li> </ul>  |  |  |  |  |
| Security   | <u>.</u>   | ervisor password / hard disk password /  | 3.2GB = DMA Mode 2 or PIO Mode 4<br>4.0GB = DMA Mode 2 or PIO Mode 4   |  |  |  |  |
| Preinstalled software<br>Limited warranty <sup>11</sup><br>Service options <sup>15</sup>   | Microsoft® Windows® 95 C<br>1 year - ThinkPad EasySe   | Is SR2 wth applications (listed on right) rv (door-to-door depot repair service) or carry-in s day (71 cities) / warranty extension to 3 or 5 years  | 5.1GB = Ultra DMA/33 or PIO Mode 4 All disks are SMART compliant   |  |  |  |  |
| and CardBus PC Card - Dual IBM lock slots t  | nced Port Replicator<br>ement, additional I/O ports,<br>d slots. Features include:<br>o secure the ThinkPad,   | Fn + F2 = Battery guage Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F11 = Power mgmt Fn + F12 = Hibernation  |  |  |  |  |  |
| External diskette driver and the power connector (reformed and the power connector (reformed and the power connector)     Features of the PC Cand Type III slots (see PC Card Standard 9ee CardBus compliant ( | ctors: carallel (25 pin) pin) e d audio out (3.5 mm) 5 pin) - not on system //e conntr - not on system quires AC power; can not ard slots: ide by side) 5 compliant PCI 2.1/32-bit) poort (no Zoomed Video) CI1131 controller  | - 32MB SO DIMM 3.3v NP EDO 64-bit<br>- 64MB SO DIMM 3.3v NP EDO 64-bit<br>- ThinkPad 560 Port Replicator<br>- ThinkPad 380/385 Port Replicator<br>- ThinkPad 380/385 Li-lon Battery (old)<br>- 56 watt AC Adapter (barrel; 3 prong)<br>- 4.0GB disk, 13ms (ozk6507)<br>- 4.0GB disk, 13ms (ozk6507)<br>- 4.0GB disk, 13ms (ozk6507)<br>- 56K PC Card Modem with XJACK (ozk6507)<br>- 56K PC Card Modem/Cellular cpble (ozk6507)<br>- 56K PC Card Modem/Cellular cpble (ozk6507)<br>- 10/100 Ethernet CardBus PC Card (ozk1496)<br>- 10/100 Ethernet CardBus PC Card (ozk1496)<br>- 10/100 Ethernet CardBus PC Card (ozk1496)<br>- 10/100 Ethernet CardBus PC Card (ozk1496) | FEATURES  Wired for Management 1.1a DMI 2.0 compliant PC 97 compliant Setup Guide and User's Guide System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe), and hibernation modes ENERGY STAR compliant International Warranty Service <sup>14</sup> IBM SystemXtra <sup>TM</sup> 24 hour /7 day telephone <sup>30</sup> , bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support IBM and dealer warranty/service |  |  |  |  |

| IBM <sup>®</sup> ThinkPad <sup>®</sup>  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|
| Processor type Processor features L2 cache Diskette drive External FDD port CD-ROM  | Intel® Mobile Pentium® II 233/66 or 266/66MHz¹ / 64-bit to L2 cache and memory No upgrade / processor, L2 cache, and memory cntr (North Bridge) on Mobile Module 512KB / write-back / 4 way set associative / sync pipelined burst / ECC / 1/2 speed Internal 3.5" 1.44MB / use simultaneously with CD-ROM / on right side None since diskette internal 5.25" CD-ROM / 24X-10X speed / CAV / multi-session / XA / ATAPI / bootable / not removable / on right side |  |  |  |  |  |  |
| Type - model<br>Processor<br>Preload (see side)<br>Avail / withdrawn date<br>Disk - size / ms<br>Disk controller  | 4.0GB4 / 13ms / PIO Mod  | 2635-FAU 266/66MHz Windows 95 May 1998 / December 1998   |  |  |  |  |  |
| Display - size and type<br>Display - techology  | 12.1 inch HPA color<br>SVGA / 640 x 480 or 800 :<br>Dual scan / HPA / 150ms /<br>16 mil sim colors / 50 to 1   | 100 nits   | 12.1 inch TFT color<br>SVGA / 640 x 480 or 800 x 600<br>Active Matrix TFT / 75ms / 100 nits<br>16.7 million simultaneous colors / 100 to 1   | contrast ratio ratio   |  |  |  |
| Graphics - controller Graph - arch/data path Graphics - features  | NeoMagic™ MagicGrapI<br>2MB / iDRAM™ (embedde  | h128XD <sup>Th</sup> ed) / color<br>SVGA to  | (NM2160B) /128-bit SVGA accelerator / Z<br>space conversion and interpolation in X a<br>1024 x 768 with 65,536 colors  | oomed Video support / DDC1 and DDC2B   |  |  |  |
| Memory - std / max<br>Memory - features   | 32MB / 96MB / non-parity   |  | / EDO / 60ns<br>DO SO DIMM of 8, 16, 32, or 64MB / socke   | et accessed from hottom via screw  |  |  |  |
| Keyboard / # of keys<br>External keyboard<br>Pointing / palm rest   | Full size alp/num / 85 (6 F  | n key fund<br>t with opti  | ctions) / keyboard slope with Port Replicator on cable 06G8619 or Port Replicator  | WINDOWS 95 PRELOAD¹6  - Microsoft Windows 95 OSR2.1 (FAT16)  • Internet Explorer 4.0   |  |  |  |
| Dimensions / weight <sup>2</sup>  | 11.8 x 9.2 x 2.4" (260 cub   |  | 1 ( 0/   | Online User's Guide  |  |  |  |
| Battery - type / life <sup>10</sup><br>Charge time - on / off   | Li-lon / non-intelligent / EA<br>4.2 to 12 hrs / 3.3 hrs   | \U: 3.1 hr   | s; FAU: 4.0 hrs  | <ul> <li>ThinkPad Configuration Program</li> <li>SystemSoft CardWorks™</li> </ul>  |  |  |  |
| Architecture  | PCI 2.1 / 32-bit / 33Mhz (I<br>ISA (audio, diskette, seria<br>Intel <b>440BX</b> PCIset / Intel<br>Texas Instruments® <b>TI125</b>   | Diskette Factory and Utilities     ConfigSafe     NetFinity for Windows 95     Puma TranXit™   |  |  |  |  |  |
| Docking station<br>Port replicator  | None ① ThinkPad Enhanced Po ③ ThinkPad 380/385 Port  | IBM Anti-Virus     IBM Global Network (IGN Dialer)     Netscape Navigator browser  |  |  |  |  |  |
| PCMCIA™ slots   | 2 Type I or 2 Type II or 1 PCMCIA 2.1 compatible /   | Type III /<br>PC Card  | Intel LANDesk Client Manager (via web)     IntelliQuest Registration Mailer     Ergonomics   |  |  |  |  |
| USB / serial / parallel<br>Other features   | One USB / one 9 pin; 165<br>APM-aware BIOS / Univer  |  | PointCast (with ThinkPad channel)     Marketing Demo   |  |  |  |  |
| Video in/out<br>MPEG decoder<br>Data/fax modem<br>Audio<br>Speakers<br>Audio features<br>Audio in/out jacks<br>Infrared ports   | None None (software support for None 16-bit / CS4237B / SRS 3 Two front stereo speakers Dial volume control (left s Input/microphone jack (st Infrared port on left side /   | BD audio ,<br>s (.5 watt)<br>ide) / inte<br>ereo) / ou   | Tivoli Lightweight Client Framework ThinkPad on the Net Personalization Editor ThinkPad Customization Lotus® SmartSuite 97 Recovery CD-ROM with boot diskette Windows 95 CD-ROM (no installation)  |  |  |  |  |
| Security  | Power-on password / suprescurity keyhole / persona   |  | ssword / hard disk password /  | 4.0GB = DMA Mode 2 or PIO Mode 4<br>5.1GB = Ultra DMA/33 or PIO Mode 4   |  |  |  |
| Preinstalled software<br>Limited warranty <sup>11</sup><br>Service options <sup>15</sup>  | Microsoft® Windows® 95 C<br>1 year - ThinkPad EasySe   | OSR2.1 w<br>erv <sup>31</sup> (doo   | treem at startup<br>ith applications (listed on right)<br>r-to-door depot repair service) or carry-in<br>2 cities) / serv up to 5 yrs from purchase da   | 6.4GB = Ultra DMA/33 or PIO Mode 4 All disks are SMART compliant Fn + F2 = Baretry guage   |  |  |  |
| The <b>ThinkPad Enhar</b> provide cable manage and CardBus PC Card  |  | 2 cities) / serv up to 5 yrs from purchase da<br>OPTIONS O DIMM 3.3v NP EDO 64-bit 92G7340 SO DIMM 3.3v NP EDO 64-bit 01K1124 SO DIMM 3.3v NP EDO 64-bit 92G7342 | Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F11 = Power mgmt Fn + F12 = Hibernation  |  |  |  |  |
| PC Cards, and Port I  | •  | - 64MB   | SO DIMM 3.3v NP EDO 64-bit 76H0268<br>ad 560 Port Replicator 46H4209   | FEATURES   |  |  |  |
| - External diskette dri<br>- Power connector (re<br>run on battery)   | parallel ( 25 pin)<br>pin)<br>e<br>d audio out (3.5 mm)<br>15 pin) - not on system<br>ve conntr - not on system<br>equires AC power; can not   | - ThinkP<br>- ThinkP<br>- ThinkP<br>- ThinkP<br>- 56 wat<br>- 4.0GB<br>- 6.4GB<br>- V.90 P   | DMI 2.0 compliant PC 97 compliant Wired for Management 1.1a Setup Guide, User's Guide, Options by IBM Catalog, Introducing Windows 95 book System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe) and hibernation modes ENERGY STAP compliant |  |  |  |  |
| Features of the PC Ci<br>- Two Type III slots (s<br>- PC Card Standard 9<br>- CardBus compliant 0<br>- 8/16-bit PC Card sup<br>- Texas Instruments F<br>- Requires no PCI-to- | ide by side)<br>5 compliant<br>(PCI 2.1 / 32-bit)<br>oport (no Zoomed Video)<br>PCI1131 controller   | Easy-Se<br>turning o   | tup is entered by holding F1 when<br>n.  | ENERGY STAR compliant International Warranty Service <sup>14</sup> IBM SystemXtra™ Program 24 hour / 7 day telephone <sup>30</sup> , bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support |  |  |  |

| IBM <sup>®</sup> ThinkPad <sup>®</sup>   |   |   |  |   |   |  |  |
|--|---|---|--|---|---|--|--|
| Processor<br>Processor features<br>L2 cache<br>Diskette drive<br>External FDD port<br>CD-ROM   | Intel® Mobile Pentium® II<br>No upgrade / processor, L<br>512KB / sync pipelined bi<br>Internal 3.5" 1.44MB / use<br>None since diskette interr<br>5.25" CD-ROM / 24X-10X   | _2 cache, and MTXC<br>urst / ECC / half speed<br>s simultaneously with<br>nal   | (North Bridge) on Intel<br>d<br>CD-ROM / on right side   | Э   | dule disk, d<br>are all<br>notebo<br>kevbo  | one integration means the<br>liskette drive, and CD-ROM<br>within the covers of the<br>ook; removable disk;<br>ard does not lift up<br>/ on right side |  |
| Type - model<br>Processor<br>Preload (see side)<br>Disk - size / ms<br>Disk controller   | 2635-HGU 26<br>Pentium II 233MHz Po   | 635-JGU<br>entium II 300MHz<br>/indows 98<br>ns write / SMART<br>one internal disk / dis  | 2635-JBI<br>Pentium<br>NT 4.0  | JBU 2635-JCU (AAP) Pentium II 300MHz None None  |   |  |  |
| Display - size and type<br>Display - techology   | 13.3 inch TFT color<br>XGA / 640x480 or 800x60<br>16.7 million simultaneous   |   |  | 100 nits  | - D: dri  | ve is FAT16 of 2GB<br>ve is FAT32 (if W98) or<br>6 (if NT) of remaining space  |  |
| Graphics - controller Graphics - external Graphics - features  | NeoMagic™ MagicMedia<br>2.5MB / SDRAM (embedo<br>External SVGA to 1024x7<br>Simultaneous LCD and CF   | ded) / <b>motion compe</b><br>68 with 16.7 million co   | ensation / color space o<br>plors at 85Hz  | conversion  | / interpolation   |  |  |
| Memory - std / max<br>Memory - features  | <b>32MB</b> / 96MB or 160MB* / 1 socket for one JEDEC 1 socket accessed from both   | 144 pin EĎO SO DIM  | EDO / 60ns<br>M of 16, 32, or 64MB /   | •   | Microsoft® W<br>Online User'  | /indows® 98  |  |
| Keyboard / # of keys<br>External keyboard<br>Pointing  | Full size alp/num / 85 (6 F<br>External keyboard suppor<br>TrackPoint® / Press-to-Se  | t with option cable 06  | G8619 or Port Replicato  | eplicator • or e  | ThinkPad Ut<br>IBM Update<br>RingCentral  | ilities<br>Connector   |  |
| Dimensions<br>Weight <sup>2</sup>  | 11.8 x 9.2 x 2.4" (260 cub<br>7.2 pounds (3.3 kg) with b  |   | x 233.0mm x 62.0mm   | •   | Ergonomics<br>IBM Registra  | ation  |  |
| Battery - type / life <sup>10</sup><br>Charge time - on / off  | Li-lon / non-intelligent / F<br>4.2 to 12 hrs / 3.3 hrs   | Hxx: 3.1 hrs; Jxx: 3.3  | hrs  | •   | IBM Global N  | Sync 97 (infrared)<br>Network Dialer<br>avigator web browser   |  |
| Architecture  Docking station Port replicator PC Card Std slots USB / serial / parallel Other features   | Intel 440BX PCIset / Intel Texas Instruments® T1125 PCI 2.1 / 32-bit / 33MHz (ISA (audio, diskette, serial None ThinkPad Port Replicator 2 Type I, 2 Type II, or 1 Tyrone USB / one 9 pin; 1650 APM-aware BIOS / University | 60A PCMCIA controlle<br>EIDE, graphics, PCM<br>II, parallel, infrared)<br>with Advanced Ether<br>pe III / CardBus 32-bit<br>50A / one (IEEE P128  | IR, I/O) • • • • • • • • • • • • • • • • • • •   | Lotus® SmartSuite 97 (CD)     ConfigSafe     Norton AntiVirus (OEM Version)     ThinkPad on the Net (TCC CD)     Customization Center CD-ROM     Lotus SmartSuite 97 CD-ROM     Product Recovery CD-ROM (with boot diskette)                |   |  |  |
| Video in/out<br>MPEG decoder<br>Data/fax modem<br>Audio<br>Speakers<br>Audio features<br>Audio in/out jacks<br>Infrared ports  | None None (software support for None 16-bit / CS4237B / SRS 3 Two front stereo speakers Dial volume control (left s Input/microphone jack (st Infrared port on left side /  | D audio / FM synthes<br>s (.5 watt) / one subw<br>ide) / internal micropl<br>tereo) / output jack (s  | ic •   |   |   |  |  |
| Security   | Power-on password / supe<br>security keyhole / persona  | alization screen at star  | tup .  | •   | Puma IntelliSync 97 (infrared)     IBM Registration     Ergonomics     Continuous |  |  |
| Limited warranty <sup>11</sup><br>Service options <sup>15</sup>  | <b>1 year</b> - carry-in or ThinkP On-site <sup>32</sup> , M-F, 8-5, next b from purchase date  |   |  | 5 years   |   |  |  |
| management, additio  | Replicator with<br>Feature provides cable<br>nal I/O ports, CardBus PC<br>00 ethernet with Wake on  | - 32MB SO DIMM 3  | OPTIONS  16MB SO DIMM 3.3v NP EDO 64-bit 01K1124 32MB SO DIMM 3.3v NP EDO 64-bit 92G7342 64MB SO DIMM 3.3v NP EDO 64-bit 76H0268 |   |   | DMA/33** or PIO Mode 4<br>DMA/33** or PIO Mode 4<br>MART compliant   |  |
|  | el 82558, Wake on LAN)<br>to secure the ThinkPad,<br>Replicator   | <ul><li>Port Replicator w/</li><li>ThinkPad 380/385</li><li>56 watt AC Adapte</li></ul>   | √6507<br>16739 <b>№</b>  |   | FEATURES agement 1.1a compliant   |  |  |
| external display, keyl<br>- Audio in and out (3.5<br>- Joystick/MIDI port (1   |   | <ul> <li>4.0GB disk**, 13r</li> <li>6.4GB disk**, 13r</li> <li>V.90 PC Card Mod</li> <li>56K PC Card Mod</li> <li>10/100 Ethernet C</li> <li>ThinkPad Proven www.ibm.com/pc/</li> </ul> | X0518<br>-7393<br>X4196<br>-3147<br>P  | DMI 2.0 compliant PC 97 compliant ACPI ready (APM enabled) Setup Guide and User's Guide System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (Rec   |   |  |  |
| Features of the PC Ca<br>- Two Type III slots (s<br>- PC Card Standard 9<br>- CardBus compliant (<br>- PCMCIA 2.1 (no Zoo<br>- TI 1250A controller<br>- Requires no PCI-to-F | ide by side)<br>5 compliant<br>(PCI 2.1 / 32-bit)<br>omed Video)  | Easy-Setup is entere turning on.  | E<br>Ir<br>IE  | and hibernation modes ENERGY STAR compliant International Warranty Service <sup>14</sup> IBM SystemXtra <sup>9,35</sup> 24 hour / 7 day telephone <sup>30</sup> , bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support |   |  |  |

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\* Maximum memory capacity with 128MB SO DIMM from ThinkPad Proven vendor

\*\* Bus length limits EIDE controller (only on 380Z) to DMA Multi-Word Mode 1 (13MB/sec)

No warranties are expressed or implied in this summary (380Z) © IBM Corp. July 1999

### ThinkPad 385D (Retail models) - withdrawn

| IBM® ThinkPad®:  | <b>385D</b> 12.1" SVGA DSTN or TFT  |  |   |   |   |  |  |  |
|--|---|--|---|---|---|--|--|--|
| Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM  | Pentium® 150/60 MHz or 150/60 MHz with MMX™ technology/ 64 bit transfer to L2 cache / 64 bit transfer to memory None 256 KB / write-through / direct mapped / 8 ns / synchronous pipelined burst Internal 3.5" 1.44 MB / use simultaneously with CD-ROM / on right side None since diskette internal 5.25" CD-ROM / 8 x speed / multi-session / XA / ATAPI / not bootable / not removable / on right side |  |   |   |   |  |  |  |
| Type - model<br>Preload (see side)<br>Avail / withdrawn date<br>Pentium speed<br>Disk - size / ms<br>Disk controller   | <b>2635-2EU Windows 95 OSR2</b> May 1997 / January 1998 <b>150/60 MHz 1.35 GB</b> / 13 ms / PIO Mod EIDE / PCI 2.1 / supports of  |  | 2635-3EU<br>Windows 95 OSR2<br>May 1997 / January 1998<br>150/60 MHz with MMX ted<br>2.1 GB / 13 ms / PIO Modisk / no DMA or busmaste | de 4  | All-in-one integration means the disk,<br>diskette drive, and CD-ROM are all within<br>the covers of the notebook;<br>keyboard does not lift up<br>of removeable / upgrade only by IBM or dealer              |  |  |  |
| Display - size and type<br>Display - techology   | 12.1 inch DSTN color<br>SVGA / 640 x 480 or 800 x<br>Dual scan<br>65,536 sim colors / 30 to 1   |  | 12.1 inch TFT color<br>SVGA / 640 x 480 or 800 :<br>Black Matrix TFT - active<br>65,536 simultaneous color                            | matrix  | contrast ratio ratio  |  |  |  |
| Graphics - controller  Graph - arch/data path Graphics - features  | NeoMagic™ MagicGraph  | 128ZV™ (NN<br>edded) / cold<br>VGA to 1024   | M2093) /128 bit SVGA acce<br>or space conversion and in<br>x 768 with 256 colors  | elerator / Zoc  | med Video support / DDC1 and DDC2B<br>n X and Y axis / support for DCI, DirectDraw  |  |  |  |
| Memory - std / max<br>Memory - features  | 16 MB / 80 MB / non-parity  |  |   | 4 MB / sock   | et accessed from bottom via screw   |  |  |  |
| Keyboard / # of keys<br>External keyboard<br>Pointing / palm rest  | Full size alp/num / 85 (6 Fn<br>External keyboard support<br>TrackPoint III™ / no drag lo   | key function<br>with option c<br>ock keys  | is) / keyboard slope with Po<br>able 06G8619 or Port Repli  | rt Replicator   | WINDOWS 95 PRELOAD  - Microsoft Windows 95 OSR2 (FAT16)  - Lotus SmartSuite   |  |  |  |
| Dimensions Weight Battery - type / life Charge time - on / off   | 7.1 pounds (3.2 kg) NiMH / non-intelligent / 2.0  | 11.8 x 9.2 x 2.4" (260 cubic inches) 7.1 pounds (3.2 kg)  NiMH / non-intelligent / 2.0 hrs 3.5 to 9 hrs / 2.5 to 3.5 hrs  PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, PCMCIA, Port Replicator) ISA (audio, diskette, serial, parallel, infrared) ISA (BURNAL PURY / NIS PORT 238)  - Word Pro Word Processor - 1-2-3 Spreadsheet - Freelance Graphics - Approach Database - Organizer Scheduler - IBM Global Network (IGN) - NetScape Navigator Browser |   |   |   |  |  |  |
| Architecture   | PCI 2.1 / 32 bit / 33 Mhz (E<br>ISA (audio, diskette, serial  |  |   |   |   |  |  |  |
| Docking Station<br>Port replicator   | None ① ThinkPad Enhanced Port Replicator, ② ThinkPad 560 Port Replicator ③ ThinkPad 380/385 Port Replicator  - Media Player - Active Movie (MPEG-1, AVI) - Video for Windows  |  |   |   |   |  |  |  |
| PCMCIA™ slots  Serial / parallel ports  Other features   | 2 Type I or 2 Type II or 1 Ty<br>PCMCIA 2.1 compatible / P<br>One 9 pin; 16550A / one (IE<br>APM-aware BIOS / Univers   | - CD Audio Player<br>- MIDI Sequencer<br>- Quicken SE  |   |   |   |  |  |  |
| Video in/out MPEG decoder Data/fax modem Audio support  Audio in/out jacks Infrared ports  | None None None 16 bit audio chip / 20 voice One internal speaker / .5 w Input/microphone jack (ste Infrared port on left side   | e MIDI FM Syr<br>att / dial volu<br>reo) / output  | or™ CS4236<br>ill duplex  | Expensable     Wall Street Money SE     National Golf Course Directory     Rand McNally's Trip Maker     IBM Anti-Virus     IBM Online Housecall     IBM Update Connector     IntelliLink Connect                     |   |  |  |  |
| Security   | Power-on password / Hard  |  |   |   | - TranXit<br>- Online User's Guide  |  |  |  |
| Preinstalled software<br>Warranty  |   | rv (optional C   | vernight Repair Option) or  | carry-in  | SystemSoft Card Works     Password Protected Marketing Demo   |  |  |  |
| provide cable manage<br>and CardBus PC Card<br>- Dual IBM lock slots t<br>385D, PC Cards, and<br>Port Replicator conne<br>- USB<br>- Serial (9 pin); paralle                   | ectors:  - ThinkPad 560 Port Replicator 46H4209 - ThinkPad 380/385 Port Replicator 84G1316 - ThinkPad Enhanced Port Replicator 11J8997 - Lilon Battery Pack 73H9793   |  |   |   | <ul> <li>CD-ROMs included in the Shipping Cartor</li> <li>Preload Recovery CD w/boot diskette</li> <li>Windows 95 CD (no installation)</li> <li>Picture Perfect Golf</li> </ul>                               |  |  |  |
| - External diskette driv   | pin)  15 pin) - not on system ve conntr - not on system equires AC power; can not   | - 35 watt A0<br>- 8 x CD-R0<br>- 2.1 GB HI<br>- 3.2 GB Di<br>- 5.1 GB Di<br>- 33.6 Kbps<br>- 56K PC C  | 76H0139<br>73H9795<br>73H9797<br>02K0487<br>02K0506<br>55H6759<br>04K0052   | FEATURES OF 385D MODELS  Quick Setup Guide System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe) and hibernation modes US EPA Energy Star compliant Personalization screen at startup |   |  |  |  |
| Features of the PC Ca<br>- Two Type III slots (s<br>- PC Card Standard 9<br>- CardBus compliant (<br>- 8/16 bit PC Card sup<br>- Texas Instruments P<br>- Requires no PCI-to-I | ide by side) 5 compliant (PCI 2.1 / 32 bit) poprt (no Zoomed Video) PCI1131 controller  | Fn+F3 =<br>Fn+F4 =<br>Fn+F7 =<br>Fn+F11 =  | g on.  = Battery guage  = Standby  = Suspend  = LCD/CRT/Simultaneous  = Power mgmt  = Hibernation                                     |   | International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics) |  |  |  |

#### III ThinkPad 385ED (Retail models) - withdrawn

| IBM <sup>®</sup> ThinkPad <sup>®</sup> :   | <b>385ED</b><br>12.1" SVGA Fast Response   | STN or A  | ctive Matrix / 20x max variab  | le speed CD  | -ROM   |   |  |  |  |
|--|--|---|--|--|--|---|--|--|--|
| Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM                                      | Pentium® MMX™ 166/66 MHz / 64 bit transfer to L2 cache / 64 bit transfer to memory None 256 KB / write-through / direct mapped / 8 ns / synchronous pipelined burst Internal 3.5" 1.44 MB / use simultaneously with CD-ROM / on right side notebook; None since diskette internal 5.25" CD-ROM / 20x max variable speed / CAV / multi-session / XA / ATAPI / not bootable / not removable / on right side not removable / on right side not bootable / not removable / on right side not removable / |   |  |  |  |   |  |  |  |
| Type - model (code)<br>UPC code<br>Preload (see side)<br>Avail / withdrawn date<br>Disk - size / ms<br>Disk controller | 2635-5EU<br>087944350163<br>Windows 95 OSR2<br>September 1997 / July 1997<br>2.1 GB / 13 ms / PIO Mode<br>EIDE / PCI 2.1 / supports on   |   | 2635-6EU<br>087944343660<br>Windows 95 OSR2<br>September 1997 / July 199<br>3.0 GB / 13 ms / PIO Mod<br>disk / no DMA or busmaste  | le 4   | ot remove  | eable / upgrade only by IBM or dealer                               |  |  |  |
| Display - size and type<br>Display - techology   | 12.1 inch Fast Response co<br>SVGA / 640 x 480 or 800 x 6<br>Dual scan / FRSTN / 150 ms<br>65,536 sim colors / 35 to 1 co  | 00<br>s / 70 nits   | 12.1 inch Active color<br>SVGA / 640 x 480 or 800 x<br>Active Matrix TFT / 75 ms<br>65,536 simultaneous color  | / 100 nits   | ontrast ra   | itio ratio  |  |  |  |
| Graphics - controller<br>Graph - arch/data path<br>Graphics - features   | NeoMagic™ MagicGraph1:<br>1.125 MB / iDRAM™ (embed<br>PCI 2.1 / 32 bit / external SV<br>Simultaneous LCD and CRT   | dded) / col<br>GA to 102  | lor space conversion and in<br>4 x 768 with 256 colors   | elerator / Zoo<br>terpolation ir                               | med Viden X and Y  | eo support / DDC1 and DDC2B<br>/ axis / support for DCI, DirectDraw |  |  |  |
| Memory - std / max<br>Memory - features  | 16 MB / 80 MB / non-parity /<br>1 socket for one JEDEC 144   |   |  | 4 MB / socke   | et access  | sed from bottom via screw   |  |  |  |
| Keyboard / # of keys<br>External keyboard<br>Pointing / palm rest  | Full size alp/num / 85 (6 Fn k<br>External keyboard support w<br>TrackPoint III™ / no drag locl  | ey functio  | ns) / keyboard slope with Po   | rt Replicator  | - Micro  | WINDOWS 95 PRELOAD posoft Windows 95 OSR2 (FAT16) s SmartSuite 97   |  |  |  |
| Dimensions<br>Weight   | 11.8 x 9.2 x 2.4" (260 cubic 7.1 pounds (3.2 kg)   | inches)   |  |  | - WordPro Word Processor<br>- 1-2-3 Spreadsheet  |   |  |  |  |
| Battery - type / life<br>Charge time - on / off  | Li-lon / non-intelligent / 2.0 hr<br>4.2 to 12 hrs / 3.3 hrs   | °S  | Li-Ion / non-intelligent / 2.5   | hrs  | - Freelance Graphics - Approach Database - Organizer Scheduler - ScreenCam - Ergonomics - Diskette factory and utilities - ThinkPad customization icon - IntelliQuest Registration Mailer - Voyetra Audio Station - IBM Global Network (IGN) |   |  |  |  |
| Architecture  Docking Station Port replicator  PCMCIA™ slots  Serial / parallel ports Other features                   | PCI 2.1 / 32 bit / 33 Mhz (EII ISA (audio, diskette, serial, p. Intel® Mobile Triton 82430 PC None ① ThinkPad Enhanced Port R② ThinkPad 380/385 Port Re 2 Type I or 2 Type II or 1 Type PCMCIA 2.1 compatible / PC One 9 pin; 16550A / one (IEE APM-aware BIOS / Universal   | parallel, in<br>Clset / Inte<br>Replicator<br>plicator<br>e III / Zoo<br>Card Star<br>EE P1284- | frared)<br>l 82371MX PIIX / NS PC873<br>, ② ThinkPad 560 Port Repliended Video support in lower and 95 / Cirrus Logic CL-Plenderd 95 / Cirrus CL-Ple | cator,   |  |   |  |  |  |
| Video in/out<br>MPEG decoder<br>Data/fax modem<br>Audio support<br>Audio in/out jacks<br>Infrared ports                | None None (software support for None 16 bit audio chip / 20 voice None internal speaker / .5 wal Input/microphone jack (stere Infrared port on left side / I   | MPEG-1 in MIDI FM Sy t / dial vol   | Windows 95)  /nthesis / CS4236B  ume control / int mic/ full dup t jack (stereo) / no joystick po  |  | - Media Player - Active Movie (MPEG-1, AVI) - Video for Windows - CD Audio Player - MIDI Sequencer - Quicken SE - Expensable - Wall Street Money SE  |   |  |  |  |
| Security   | Power-on password / Hard d   | isk passw   | ord / security keyhole / person  | onalization  |  | onal Golf Course Directory<br>d McNally's Trip Maker                |  |  |  |
| Preinstalled software<br>Warranty  | Microsoft Windows 95 OSR2<br>1 year - ThinkPad EasyServ  |   |  | y-in   | - IBM  | Anti-Virus<br>Online Housecall                                      |  |  |  |
| and CardBus PC Car   | ement, additional I/O ports, d slots. Features include: to secure the ThinkPad Port Replicator ectors:   | - 16 MB S0<br>- 16 MB S0<br>- 32 MB S0<br>- 64 MB S0<br>- ThinkPao<br>- ThinkPao<br>- ThinkPao  | OPTIONS DIMM 3.3v NP EDO 64 bit D DIMM 3.3v NP EDO 64 bit D DIMM NP EDO 64 bit (new) D DIMM 3.3v NP EDO 64 bit S60 Port Replicator B Enhanced Port Replicator  | 92G7342<br>76H0268<br>46H4209<br>84G1316<br>11J8997            | - Tran Onlir - Syste - Point - Pass - CD-F - Pre   | ne User's Guide<br>emSoft Card Works                                |  |  |  |
| - Keyboard<br>- Mouse<br>- Audio in (3.5 mm)<br>- Audio out (3.5 mm)<br>- Joystick/MIDI port (1                        | 15 pin) - not on system  | - ThinkPac<br>- 35 watt A   |  | 73H9793<br>02K6507<br>76H0139<br>83H6739<br>73H9797<br>02K0487 | Quick S<br>System  | FEATURES OF 385 MODELS Setup Guide n Status Indicators nd Play 1.0a |  |  |  |

System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe), and hibernation modes US EPA Energy Star compliant Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)

run on battery)

- External diskette drive conntr - not on system - Power connector (requires AC power; can not

- 2.1 GB Disk 13 ms - 3.2 GB Disk 13 ms 73H9797 02K0487 - 5.1 GB Disk 12 ms 02K0506 - 33.6 Kbps Modern with XJACK 55H6759 - 56K PC Card Modem Kit 04K0052

Fn + F2 = Battery guage Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F11 = Power mgmt Fn + F12 = Hibernation

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround)

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| IBM® ThinkPad®  |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|
| Processor type Processor features L2 cache Diskette drive External FDD port CD-ROM  | No upgrade / processor, I<br>512KB / sync pipelined b<br>Internal 3.5" 1.44MB / use<br>None since diskette intern  |  | orth Bridge) on Mo<br>133MHz for Pent<br>right side  | obile Module<br>tium II)   |  |  |  |  |  |
| Type - model UPC code Processor Avail / withdrawn date Disk - size / ms Disk controller   | 2635-8EU<br>0-87944-40513-9<br>Pentium 233/66MHz<br>March 1998 / Sept 1998<br>2.1GB <sup>4</sup> / 13ms / PIO Mod  | 4-40513-9   0-87944-40514-6   0-87944-41973-0 disk, diskette drive, and CD-Rem 233/66MHz   Pentium 266/66MHz   Pentium II 266/66MHz   are all within the covers of the   |  |  |  |  |  |  |  |
| Display - size and type<br>Display - techology  | <b>SVGA</b> / 640x480 or 800x  | formance Addressing) <b>color</b><br>600 / 150ms / 100 nits /<br><b>us colors</b> / 50 to 1 contrast   | SVGA / 640x480   | olor / Active Matrix<br>0 or 800x600 / 75ms / 100 nits<br>oultaneous colors / 100 to 1 contrast  |  |  |  |  |  |
| Graphics - controller Graph - arch/data path Graphics - features  | 2MB / iDRAM™ (embedde  | ed) / color space conversion and int<br>SVGA to 1024x768 with 65,536 col   | erpolation in X an   | pomed Video support / DDC1 and DDC2B d Y axis / support for DCI, DirectDraw  |  |  |  |  |  |
| Memory - std / max<br>Memory - features<br>Keyboard / # of keys<br>External keyboard<br>Pointing / palm rest  | <b>32MB</b> / 96MB / non-parity<br>1 socket for one JEDEC 1<br>Full size alp/num / 85 (6 F<br>External keyboard support<br>TrackPoint III™ / no drag   | r / 3.3 volt / EDO / 60ns<br>44 pin EDO SO DIMM of 8, 16, 32,<br>n key functions) / keyboard slope wirt<br>vit with option cable 06G8619 or Port<br>lock keys  | h Port Replicator<br>Replicator  | windows 95 PRELOAD <sup>16</sup> - Microsoft Windows 95 OSR2.1 (FAT16) • Internet Explorer 4.0 • Online User's Guide • ThinkPad Configuration Program  |  |  |  |  |  |
| Dimensions / weight <sup>2</sup> Battery - type / life <sup>10</sup> Charge time - on / off   | 11.8 x 9.2 x 2.4" (260 culti-lon / non-intelligent / 3.4.2 to 12 hrs / 3.3 hrs   | oic inches) / 8EU/9EU: 7.1 pounds;<br>0 hrs  | DEU: 7.2 lbs   | <ul> <li>SystemSoft CardWorks™</li> <li>Diskette Factory and Utilities</li> <li>Artisoft ConfigSafe</li> </ul>   |  |  |  |  |  |
| Architecture  | Intel® Triton 430TX, PIIX4 for Pentium systems / Intel 440BX, PIIX4 for Pent II  PIIX4 (EIDE, USB, PCI to ISA bridge)TI® T11250A PCMCIA controller  PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, PCMCIA, USB)  • Update Connector • Puma TranXit™ • IBM Anti-Virus • IBM Anti-Virus • IBM Anti-Virus • IBM Anti-Virus   |  |  |  |  |  |  |  |  |
| Docking station<br>Port replicator  | None  1. ThinkPad Enhanced Port Replicator, @ ThinkPad 560 Port Replicator,  3. ThinkPad 380/385 Port Replicator  1. ThinkPad 380/385 Port Replicator  1. ThinkPad 380/385 Port Replicator  2. ThinkPad 380/385 Port Replicator  |  |  |  |  |  |  |  |  |
| PCMCIA™ slots  USB / serial / parallel  Other features  | 2 Type I or 2 Type II or 1 Type III / CardBus 32-bit PCI / Zoomed video PCMCIA 2.1 compatible / PC Card Standard 95 One USB / one 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) APM-aware BIOS / Universal AC adapter; barrel (56 watts) / 35 watt supported  Ergonomics PointCast (with ThinkPad channel) Marketing Demo Expensable ThinkInd 360/30/30/30/30/30/30/30/30/30/30/30/30/30 |  |  |  |  |  |  |  |  |
| Video in/out MPEG decoder Data/fax modem Audio Speakers Audio features Audio in/out jacks Infrared ports  | None None (software support for 56KB PC Card Modem / 16-bit / CS4237B / SRS 3 Two front stereo speaker Dial volume control (left so Input/microphone jack (st  | or MPEG-1 in Windows 95) Cellular Capable / x2 / XJACK con   | necor (02K4196)<br>eyboard (1 watt)<br>ex spk/mic  | ThinkPad on the Net Personalization Editor ThinkPad Customization Lotus SmartSuite 97 Voyetra Audio Station Rand McNally's Trip Maker Quicken 98 (subject to change) EA Sports PGA Tour Golf CD-ROM Recovery CD-ROM with boot diskette   |  |  |  |  |  |
| Security  | Power-on password / sup<br>security keyhole / persona  | ervisor password / hard disk passw<br>alization screen at startup  | ord /  | <ul><li>♦ Windows 95 CD-ROM (no installation)</li><li>3.2GB = DMA Mode 2 or PIO Mode 4</li></ul>   |  |  |  |  |  |
| Preinstalled software<br>Limited warranty <sup>11</sup><br>Service options <sup>15</sup>  | 1 year - ThinkPad EasyS  | OSR2.1 wth applications (listed on r<br>erv (door-to-door depot repair servi<br>is day (71 cities) / warranty extension  | ce) or carry-in  | 4.0GB = DMA Mode 2 or PIO Mode 4<br>5.1GB = Ultra DMA/33 or PIO Mode 4<br>All disks are SMART compliant  |  |  |  |  |  |
| and CardBus PC Card  - Dual IBM lock slots t PC Cards, and Port F Port Replicator conne  - USB, serial (9 pin), p - External display (15  - Keyboard and mouse - Audio in (3.5 mm) an - Joystick/MIDI port (1  - External diskette driv - Power connector (re run on battery)  Features of the PC Ca - Two Type III slots (s - PC Card Standard 9 - CardBus compliant ( | ement, additional I/O ports, d slots. Features include: o secure the ThinkPad, Replicator ctors: earallel (25 pin) pin) e end audio out (3.5 mm) 5 pin) - not on system ye conntr - not on system quires AC power; can not ard slots: ide by side) 5 compliant PCI 2.1 / 32-bit) port (no Zoomed Video)  | OPTIONS  - 8MB SO DIMM 3.3v NP EDO 64 16MB SO DIMM 3.3v NP EDO 64 16MB SO DIMM N3.3v NP EDO 64 16MB SO DIMM 3.3v NP EDO 64 64MB SO DIMM 3.3v NP EDO 64 64MB SO DIMM 3.3v NP EDO 64 ThinkPad 560 Port Replicator - ThinkPad 380/385 Port Replicator - ThinkPad 380/385 Li-lon Battery - ThinkPad 380/385 Li-lon Battery - 56 watt AC Adapter (barrel; 3 pro - 6.4GB disk, 13ms, Ultra DMA/33 - 33.6Kbps Modem with XJACK - 56K PC Card Modem Kit - 56K PC Card Modem/Cellular Cap | I-bit 92G7341<br>new)01K1124<br>I-bit 92G7342<br>I-bit 76H0268<br>46H4209<br>r 84G1316<br>tor 11J8997<br>(old) 73H9793<br>02K6507<br>ng) 83H6739<br>02K0518<br>55H6759<br>04K0052<br>pable 02K4196 | Fn + F2 = Battery guage Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F11 = Power mgmt Fn + F12 = Hibernation  FEATURES  DMI 2.0 compliant (via software upgrade) PC 97 compliant Wired for Management 1.1a Setup Guide, User's Guide, Options by IBM catalog, Windows 95 book System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe), and hibernation modes ENERGY STAR compliant International Warranty Service <sup>14</sup> 24 hour / 7 day telephone <sup>20</sup> , bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support |  |  |  |  |  |
| - Requires no PCI-to-F  |  | turning on.  |  | IBM and dealer warranty/service  |  |  |  |  |  |

### Time ThinkPad® 385XD (Windows 98) - withdrawn

| IBM <sup>®</sup> ThinkPad <sup>®</sup>   |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
| Processor type Processor features L2 cache Diskette drive External FDD port CD-ROM   | Pentium® 233/66MHz¹ with MMX technology No processor upgrade / processor, L2 cache, and memory controller (North Bridge) on Mobile Module 512KB / synchronous pipelined burst (66MHz) Internal 3.5" 1.44MB / use simultaneously with CD-ROM / on right side None since diskette internal 5.25" CD-ROM / 24X-10X <sup>5</sup> speed / CAV / multi-session / XA / ATAPI / bootable / not removable / on right side |  |  |  |  |  |  |
| Type - model<br>UPC code<br>Avail / withdrawn date<br>Disk - size / ms<br>Disk - partitioning<br>Disk controller   | Partitioned as C: (2GB - F   | dr.<br>98 the  | in-one integration means the disk, diskette<br>ve, and CD-ROM are all within the covers of<br>enotebook; removable disk;<br>yboard does not lift up<br>isk can be removed and upgraded by custome  |  |  |  |  |
| Display - size and type<br>Display - techology   | 12.1 inch TFT color / Act<br>SVGA / 640x480 or 800x<br>16.7 million simultaneous   | 600 / 75ms / 100 nits  |  |  |  |  |  |
| Graphics - controller  Graph - arch/data path Graphics - features  | NeoMagic™ MagicGrapl<br>2MB / iDRAM™ (embedde  | n128XD™ (NM2160B) / 128-bit SVGA accelerator<br>ed) / color space conversion and interpolation in X<br>SVGA to 1024x768 with 65,536 colors at 75Hz   | Zoomed Video support / DDC1 and DDC2B and Y axis / support for DCI, DirectDraw   |  |  |  |  |
| Memory - std / max<br>Memory - features<br>Keyboard / # of keys<br>External keyboard<br>Pointing / palm rest   | 32MB / 96MB / non-parity<br>1 socket for one JEDEC 1<br>Full size alp/num / 85 (6 F  | r / 3.3 volt / EDO / 60ns<br>44 pin EDO SO DIMM of 16, 32, or 64MB<br>n key functions) / keyboard slope with Port Replicator<br>rt with option cable 06G8619 or Port Replicator  | WINDOWS 98 PRELOAD <sup>16</sup> - Microsoft Windows 98 (FAT16)  • Internet Explorer 4.01  • Online User's Guide  This Pod Coefficient Program   |  |  |  |  |
| Dimensions / weight <sup>2</sup> Battery - type / life <sup>10</sup> Charge time - on / off  | 11.8 x 9.2 x 2.4" (260 cut<br>Li-lon / non-intelligent / 3.<br>4.2 to 12 hrs / 3.3 hrs   | oic inches) / 7.1 pounds (3.2kg) with battery/disk<br>5 hrs  | ThinkPad Configuration Program     Software Select Utility     Diskette Factory and Utilities     Artisoft ConfigSafe  |  |  |  |  |
| Architecture   | PCI 2.1 / 32-bit / 33MHz (   | ISA bridge) / TI® <b>TI1250A</b> PCMCIA controller<br>EIDE, graphics, PCMCIA, USB)<br>II, parallel, infrared) / NS PC97338 (FDC, IR, I/O)  | <ul> <li>IBM Update Čonnector</li> <li>Puma IntelliSync 97</li> <li>Norton AntiVirus (OEM Version)</li> <li>IBM Global Network™ (IGN Dialer)</li> <li>Netscape Navigator browser</li> <li>RingZero Fax Central</li> <li>IntelliQuest Registration Mailer</li> </ul>  |  |  |  |  |
| Docking station<br>Port replicator   | None   | ort Replicator, @ ThinkPad 560 Port Replicator,  |  |  |  |  |  |
| PCMCIA™ slots USB / serial / parallel Other features   | 2 Type I or 2 Type II or 1 PCMCIA 2.1 compatible / One USB / one 9 pin; 165  | Type III / CardBus 32-bit PCI / Zoomed Video   | Ergonomics     Intuit Expensable     ThinkPad on the Net     Personalization Editor  |  |  |  |  |
| Video in/out MPEG decoder Data/fax modem Audio Speakers Audio features Audio in/out jacks Infrared ports   | None None (software support for 56KB <sup>9</sup> PC Card Modem, 16-bit / CS4237B / SRS 3 Two front stereo speaker Dial volume control (left so Input/microphone jack (st  | or MPEG-1 in Windows 98)  Cellular Capable / x2 / XJACK connector (02K41)  | Rand McNally's Trip Maker     Quicken 98     EA Sports PGA Tour Golf CD-ROM     Recovery CD-ROM with boot diskette   |  |  |  |  |
| Security   | security keyhole / persona   |  | Fn + F2 = Battery guage  |  |  |  |  |
| Preinstalled software<br>Limited warranty <sup>11</sup><br>Service options <sup>15</sup>   | 1 year - ThinkPad EasyS  | vith applications (listed on right) erv (door-to-door depot repair service) or carry-in us day (72 cities) / warranty extension to 3 or 5 yea  | Fn + F3 = Standby<br>Fn + F4 = Suspend<br>Fn + F7 = LCD/CRT/Simultaneous<br>Fn + F11 = Power mgmt  |  |  |  |  |
| The ThinkPad Enhanced Port Replicator provide cable management, additional I/O ports, and CardBus PC Card slots. Features include:  - Dual IBM lock slots to secure the ThinkPad, PC Cards, and Port Replicator  Port Replicator connectors:  - USB, serial (9 pin), parallel (25 pin)  - External display (15 pin)  - Keyboard and mouse  - Audio in (3.5 mm) and audio out (3.5 mm)  - Joystick/MIDI port (15 pin) - not on system  - External diskette drive conntr - not on system  - Power connector (requires AC power; can not run on battery)  Features of the PC Card slots:  - Two Type III slots (side by side)  - PC Card Standard 95 compliant  - CardBus compliant (PCI 2.1 / 32-bit)  - 8/16-bit PC Card support (no Zoomed Video)  - Texas Instruments PCI1131 controller  - Requires no PCI-to-PCI bridge |  | OPTIONS  - 16MB SO DIMM 3.3v NP EDO 64-bit 92G7341 - 16MB SO DIMM NP EDO 64-bit (new)01K1124 - 32MB SO DIMM 3.3v NP EDO 64-bit 92G7342 - 64MB SO DIMM 3.3v NP EDO 64-bit 76H0268 - ThinkPad 560 Port Replicator 46H4209 - ThinkPad 380/385 Port Replicator 84G1316 - ThinkPad Enhanced Port Replicator 11J8997   | Fn + F12 = Hibernation  FEATURES  DMI 2.0 compliant (via software upgrade)   |  |  |  |  |
|  |  | - ThinkPad 380/385 Li-Ion Battery (old) 73H9793<br>- ThinkPad 380/385 Li-Ion Battery 02K6507<br>- External Battery Charger 02K6499<br>- 56 watt AC Adapter (barrel; 3 prong) 83H6739<br>- 6.4GB disk, 13ms, Ultra DMA/33 02K0718<br>- 33.6Kbps Modem with XJACK 55H6759<br>- 56K PC Card Modem Kit 04K0052<br>- 56K PC Card Modem/Cellular Capable 02K4196 | PC 97 compliant Wired for Management 1.1a Setup Guide, User's Guide, Options by IBM catalog, Windows 95 book System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSarand hibernation modes ENERGY STAR compliant International Warranty Service 14 24 hour /7 day telephone 30, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support IBM and dealer warranty/service |  |  |  |  |
|  |  | Easy-Setup is entered by holding F1 when turning on.   |  |  |  |  |  |

| <br>IBM® ThinkPad®   |  |   |  |   |  |  |  |
|--|--|---|--|---|--|--|--|
| Processor<br>Processor features<br>L2 cache<br>Diskette drive<br>External FDD port<br>CD-ROM<br>DVD-ROM  | No upgrade / processor, I<br>512KB / sync pipelined b<br>Internal 3.5" 1.44MB / ren<br>None since diskette interr<br>CD-ROM / 24X-10X <sup>6</sup> spee  |   | Bridge) on Intel Mobile N<br>CC and 150MHz for Per<br>on right side / integrated<br>vable from UltraBay FX /   | Module<br>ntium II)<br>with CD-ROM<br>on right side /   | All-in-one design: disk,<br>diskette drive, and CD-ROM<br>are all within the covers<br>integrated with diskette drive  |  |  |
| Type - model<br>Processor<br>Disk - size / ms<br>Disk controller<br>Avail / withdrawn date   | 2626-20U Pentium 233MHz 3.2GB <sup>4</sup> / 13ms read / 14n EIDE / PCI 2.1 / supports November 1998 / March   | 2626-50U<br>Pentium II 233MHz<br>ns write / S.M.A.R.T. <sup>29</sup><br>one internal disk / disk can be<br>1999   | 14ms write / S.M.A.R.T. <sup>29</sup> by customer / supports two internal disks  |   |  |  |  |
| Display - size and type<br>Display - techology   | 12.1" TFT color / Active I<br>SVGA / 640x480 or 800x6<br>16.7 million simultaneou  | 300 / 30ms / 150 nits   | 14.1" TFT color / Active Matrix XGA / 640x480 or 800x600 or 1024x768 / 30ms / 120 nits st 16.7 million simultaneous colors / 150 to 1 contrast ratio |   |  |  |  |
| Graphics - controller Graphics - external  | 2.5MB/SDRAM (embede  | a256AV <sup>TM</sup> (NM2200) / PCI 2.<br>ded) / motion compensation  | <b>on</b> / color space conversi   | it memory inte<br>on / interpolat   | erface / DDC2B / Direct3D<br>ion in X and Y axis   |  |  |
| Graphics - features  Memory - std / max  Memory - features   | External SVGA to 1024x768 with 16.7 million colors at 85Hz Simultaneous LCD and CRT / 150 degree tilt / multiple-monitor support <sup>26</sup> 32MB / 256MB <sup>33</sup> SDRAM / non-parity / 66MHz / 3.3 volt / 64-bit 2 sockets for JEDEC 144-pin SO DIMMs / one socket used by std memory sockets accessed from bottom via removing cover held by phillips-head sc |   |  | The right bay (UltraBay FX) has a device lock on the bottom of the system and a batter LED which should be off to safely remove device; it supports:  • standard diskette/CD-ROM (warm swap   |  |  |  |
| Keyboard<br>Pointing   | Full-size 85-key (7 Fn key TrackPoint® / Press-to-Se   | functions) / palm rest / keyb<br>lect / Release-to-Select / dra<br>(Internet Scroll Bar) or magn  | oard slope with tilt feet  | <ul> <li>optional second battery (hot swap); so battery as main one</li> <li>optional second disk (cold swap)</li> <li>optional ThinkPad Proven™ solutions</li> </ul>   |  |  |  |
| Dimensions<br>Weight <sup>2</sup><br>Case material   | 12.4 x 10.1 x 1.8" (225 cu<br>7.5 lbs (3.4 kg) with batter<br>PC/ABS plastic   |   | 12.4 x 10.2 x 1.8" (227<br>7.7 lbs (3.5 kg) with batt<br>PC/ABS plastic  |   | All models: - C: drive is FAT16 of 2GB - D: drive is FAT32 of  |  |  |
| Battery - type / life <sup>10</sup><br>Charge time <sup>10</sup> - on / of<br>Architecture   |  | s (1 battery) / left side   | Li-lon / intelligent / 4 hrs<br>6 hrs on / 3 hrs off   | / left side   | remaining space  |  |  |
| Docking station Port replicator PC Card Std slots USB / serial / parallel Other features   | Intel PIIX4E (EIDE, PCI to<br>Texas Instruments® TI125<br>PCI 2.1/32-bit/33MHz (<br>ISA (audio, diskette, seria<br>None<br>ThinkPad Port Replicator<br>2 Type I, 2 Type II, or 1 Tyl<br>One USB / one 9 pin; 165   |   | PC97338 (FDC, IR, I/O)<br>SB, audio)  'hinkPad 560 Port Replic<br>CIA 2.1 / Zoomed video<br>PP, ECP, bidirectional)                                  | Microsoft® Windows® 98     Online User's Guide     ThinkPad Configuration Program     ThinkPad Utilities     IBM Update Connector     RingCentral Fax     Ergonomics  |  |  |  |
| Video in/out<br>MPEG decoder<br>Data/fax modem<br>Audio<br>Speakers<br>Audio features<br>Audio in/out jacks<br>Infrared ports  | 56Kbps <sup>24</sup> / V.90 / integrat<br>16-bit SoundBlaster Pro <sup>11</sup><br>Two Altec Lansing® stere<br>Dial volume control (right<br>Microphone jack (stereo)<br>Infrared port on left side /  | or MPEG-1 in Windows 98) ted in system / Lucent 1644 d' compatible / NeoMagic NM o speakers on display (1 wa side) / internal microphone / headphone jack (stereo) / IrDA 1.1 compatible / up to  | IA2 / ISA / full duplex<br>tt)<br>line-in jack<br>4Mbps  | <ul> <li>Puma Inte</li> <li>IBM Globa</li> <li>Netscape</li> <li>Lotus®Sm</li> <li>PC Docto</li> <li>ConfigSaf</li> <li>Norton An</li> <li>ThinkPad</li> </ul>  | IBM Registration Puma IntelliSync 97 (infrared) IBM Global Network Dialer Netscape Navigator web browser Lotus® SmartSuite Millennium²0 PC Doctor ConfigSafe Norton AntiVirus (OEM Version) ThinkPad on the Net (TCC CD) |  |  |
| Security  Limited warranty <sup>11</sup>   | security keyhole / security  1 year - carry-in or ThinkF   | ad EasyServ™³¹ (door-to-do  | or depot repair service)   | <ul> <li>♦ Customization Center CD-ROM</li> <li>♦ Lotus SmartSuite Millennium CD-ROM</li> <li>♦ Product Recovery CD-ROM</li> </ul>  |  |  |  |
| Constitution   Cons |  | OPTIONS  - 32MB SO DIMM 3.3v NP SDRAM 76H0294 - 64MB SO DIMM 3.3v NP SDRAM 20L0241 - 128MB SO DIMM 3.3v NP SDRAM 01K1150 - ThinkPad 560 Port Replicator 46H4209 - Port Replicator w/ Advanced EtherJet05K4872 - ThinkPad 390/i Series Li-Ion Battery 02K6513 - 56 watt AC Adapter (barrel; 3 prong) 83H6739 - 6.4GB disk with UltraBay FX adapter 05K8923 - 10GB disk with UltraBay FX adapter 05K8983 - 900MHz Cordless Computer Conn 04K0064 - V.90 PC Card Modem with XJACK²⁴ 10L7393 - 10/100 Ethernet CardBus PC Card 08L3147 - Smart Card Security Kit 10L7333 - DVD/Diskette (for UltraBay FX) 05K8921 - Visit www.ibm.com/pc/us/accessories (U.S.) or www.ibm.com/pc/ca/accessories (CA) - ThinkPad Proven™ solutions¹² (visit www.ibm.com/pc/us/thinkpad/proven) |  | 3.2GB = Ultra DMA/33 or PIO Mode 4 4.3GB = Ultra DMA/33 or PIO Mode 4 6.4GB = Ultra DMA/33 or PIO Mode 4 10GB = Ultra DMA/33 or PIO Mode 4 All disks are S.M.A.R.T. <sup>29</sup> compliant  FEATURES  Wired for Management 1.1a compliant DMI 2.0 compliant PC 97 compliant ACPI ready (APM enabled) Wake on LAN™ support <sup>26</sup> Setup Guide, User's Reference, Windows 98 manual, and Quick Reference Card System Status Indicators Plug and Play 1.0a Standby, suspend, and hibernation modes |  |  |  |

| BM® ThinkPad®   |   |  |  |  |  |   |   |  |
|---|---|--|--|--|--|---|---|--|
| Processor<br>Processor features<br>L2 cache<br>Diskette drive<br>CD-ROM<br>DVD-ROM  | No upgrade / processor, l<br>Celeron: 128KB; Pentiu.<br>Internal 3.5" 1.44MB / ren<br>CD-ROM / 24X-10X <sup>5</sup> spec  | 300 or 366MHz¹ or Mobile Pe<br>_2 cache, and MTXC (North E<br>m //: 256KB; A//: onboard (f<br>novable from UltraBay FX / or<br>sd / ATAPI / bootable / remova<br>Bay FX option / 2X⁵ DVD inte  | Bridge) on In<br>ull speed) / in<br>In right side / in the from Ultr               | tel Mobile I<br>sync pipeli<br>integrated<br>aBay FX /         | Module<br>ned bu<br>with C<br>on righ  | e (MMC2)<br>irst / ECC / write<br>D-ROM / no ext  | -back<br>ernal diskette port  |  |
| Type - model Processor Disk - size / ms Preload (see side) Available date Display (diagonal)  | * 2626-90U  | 6-C0U<br>PEMHz<br>/ 13ms<br>ws 98  | 2626-E0U<br>333MHz<br>GB / 12ms<br>ndows 98<br>rch 1999                            | <b>≈ 2626-E</b> PII 333MH 6.4GB / 1 NT 4.0 March 199           | NU<br>1z<br>2ms  | ≈ 2626-A0U<br>PII 333MHz<br>None<br>None<br>April 1999<br>14.1" TFT XGA                 | ≈ 2626-B0U<br>Celeron 366<br>4.8GB / 12/14ms<br>Windows 98<br>June 1999<br>12.1" TFT SVGA |  |
| Display - size and typ<br>Display - technology  | ve 12.1" TFT color 308mm /<br>SVGA / 800x600 / 30ms /<br>16.7 millioncolors / 100 t   |  | 38 / 30ms / 1  | 20 nits  | XGA  | <b>A / 1024x768</b> / 20  | mm / Active Matrix<br>0 to 30ms / 120 nits<br>/ 150 to 1 contrast                         |  |
| Graphics - controller   | 2.5MB / SGRAM (embed  | 256AV™ (NM2200) / 128-bit<br>ded) / motion compensation  | / color spac   | e conversi   | interface  | ace / <b>1X AGP</b> / Iterpolation in X a   | DDC2B /<br>and Y axis   |  |
| Graphics - features  Memory - std / max  Memory - features  | 32MB / 256MB <sup>33</sup><br>SDRAM / non-parity / 66M<br>2 sockets for JEDEC 144   | RT <sup>26</sup> / 150 degree tilt / multiple    64MB / 256MB <sup>33</sup> IHz / 3.3 volt / 64-bit -pin SO DIMMs / one socket ottom via removing cover held   | used by std i  | memory /   |  | 0MB / 256MB <sup>33</sup> WINDOWS 98 rosoft® Windows                                    |   |  |
| Disk controller<br>Keyboard<br>Pointing   | EIDE / PCI 2.1 / one inter<br>customer / supports two in<br>Full-size 85-key (7 Fn key<br>TrackPoint® / Press-to-Se   | nal disk / disk can be removed<br>ternal disks/ 13ms read / 14m<br>functions) / palm rest / keybo<br>lect / Release-to-Select / drag<br>(Internet Scroll Bar) or magnif  | I to upgrade I<br>s write / S.M<br>ard slope with<br>ging / click pa               | oy<br>.A.R.T. <sup>29</sup><br>h tilt feet<br>ace /            | <ul><li>Onl</li><li>Thir</li><li>Thir</li><li>IBM</li><li>Ring</li></ul>   | ine User's Guide nkPad Configura nkPad Utilities I Update Conne<br>gCentral Fax onomics | e<br>tion Program   |  |
| Dimensions<br>Weight² (with batt/dis<br>Case material   |   | 10.1 x 1.8" (225 cu in) Othe<br>(3.4 kg) Pentium models: 7.  |  |  | <ul><li>Inte</li><li>Pun</li></ul>   | onomics<br>Illiquest Registra<br>na IntelliSync 97<br>I Global Network                  | (infrared)  |  |
| Battery - type<br>Battery - life <sup>10</sup> (1 batt)<br>Charge time <sup>10</sup>  |   | I / intelligent / left side Others<br>hrs E0U/ENU: 3.8 hrs B0U<br>2.5 hrs off Others: 6 hrs of   | l: 2.67 hrs  | lligent  | <ul><li>Net</li><li>Lott</li><li>PC</li></ul>  | scape Commun<br>us® SmartSuite I<br>Doctor  | cator   |  |
| Architecture  | Texas Instruments® TI125  | EI PIIX4E (EIDE, PCI to ISA bi<br>1A PCMCIA controller / NS P<br>EIDE, graphics, PCMCIA, US<br>Ilel. infrared)   | C97338 (FD   |  | <ul><li>Nor</li><li>Thir</li><li>Unit</li></ul>  | nfigSafe<br>ton AntiVirus (Ol<br>nkPad on the Ne<br>versal Manager                      | t (TCC CD)<br>ent Agent   |  |
| Docking station Port replicator PC Card Std slots USB / serial / parallel Other features  | None ThinkPad Port Replicator with Advanced EtherJet™ / ThinkPad 560 Port Replic Type I, 2 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / Zoomed video One USB / one 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) APM-aware BIOS / Ultraslim AC adapter, barrel, 3-prong, 56 watts   |  |  |  | <ul> <li>Recovery CD-ROM (Windows 98)</li> <li>Recovery CD-ROM (Windows 95)</li> <li>WINDOWS NT PRELOAD¹6</li> <li>Microsoft Windows NT® 4.0</li> <li>Service Pack 4</li> <li>ThinkPad Utilities</li> <li>Online User's Guide</li> <li>ThinkPad Configuration Program</li> <li>Ergonomics</li> <li>IBM Registration</li> </ul> |   |   |  |
| Video (TV) out MPEG decoder Data/fax modem Audio Speakers Audio features Audio in/out jacks nfrared ports                             | S-Video out connector on side (does not require cable) / Chrontel Ch7004C-T None (W98 support for MPEG-2 because 300MHz with motion compensation) 56K³7 V.90 / integrated in system / PCI / Lucent 1646 / not voice-capable 16-bit SoundBlaster Pro™ compatible / ESS 1946 / PCI / full duplex Two Altec Lansing® stereo speakers on display (1 watt) Dial volume control (right side) / internal microphone Microphone jack (stereo) / headphone jack (stereo) / line-in jack Infrared port on left side / IrDA 1.1 compatible / up to 4Mbps |  |  |  |  |   |   |  |
| Security  | •   | password / disk password /   |  |  | <ul><li>IBM</li><li>Net</li></ul>  | na IntelliSync 97<br>I Global Network<br>scape Communi                                  | Dialer (cator   |  |
| Limited warranty <sup>11</sup><br>Service options <sup>15</sup>   |   | ad EasyServ <sup>™31</sup> (door-to-door<br>us day (72 cities) / serv up to 5 y  |  |  | <ul><li>Unit</li><li>Cor</li><li>Nor</li></ul>   | us SmartSuite Mi<br>versal Managem<br>nfigSafe<br>ton AntiVirus (Ol                     | ent Agent<br>EM Version)  |  |
| Color depth LCI   | External Monitor  | OPTION   | IS   |  |  | l Update Connec<br>temSoft CardWi   |   |  |
| Resolution         TFT           640x480         16N           800x600         16N           1024x768         16N           1280x1024 | 60Hz 75Hz 85Hz<br>1 16M 16M 16M<br>1 16M 16M 16M  | - 32MB SO DIMM 3.3v NP S<br>- 64MB SO DIMM 3.3v NP S<br>- 128MB SO DIMM 3.3v NP<br>- ThinkPad 560 Port Replica<br>- Port Replicator w/ Advance<br>- ThinkPad 390/i Series Li-lo  | DRAM<br>DRAM<br>SDRAM<br>or<br>d EtherJet  | 76H0294<br>20L0241<br>01K1150<br>46H4209<br>05K4872<br>02K6513 | Úni     ⇔ Soft     ⇔ Red  Wired  | versal Managem<br>tware Selections<br>covery CD-ROM<br>FEATU<br>for Management          | ent Agent<br>CD-ROM<br>(Windows NT)<br>RES  |  |
| All models:<br>- C: drive is FAT16 of 2GB<br>- D: drive is FAT32 of remaining space   |   | - Ultraslim 56 watt AC Adapter (3-prong) 02K6545<br>- 6.4GB disk with UltraBay FX adapter 05K8923<br>- 10GB disk with UltraBay FX adapter 05K8983<br>- DVD/Diskette (for UltraBay FX) 05K8921  |  |  | PC 98 compliant ACPI ready (APM enabled) Wake on LAN® support <sup>28</sup> Setup Guide, User's Reference, Windo   |   |   |  |
| the bottom of the sys<br>should be off to safel<br>supports:  standard diskette/C  optional DVD/CD-I                                  |   | <ul> <li>CD/Diskette (for UltraBay F<br/>900MHz Cordless Comput<br/>V.90 PC Card Modem with</li> <li>10/100 Ethernet CardBus F</li> <li>Smart Card Security Kit</li> <li>ThinkPad Proven™ solution<br/>www.ibm.com/pc/us/thinkp</li> <li>Pressing F1 during startup b</li> </ul> | er Conn<br>XJACK <sup>24</sup><br>PC Card<br>ns <sup>12</sup> (visit<br>ad/proven) | 05K8986<br>04K0064<br>10L7393<br>08L3147<br>33L5075            | System<br>Plug a<br>Stand<br>ENER<br>Internation<br>IBM S<br>24 hor  | m Status Indicato<br>and Play 1.0a  | hibernation modes<br>iant<br>Service <sup>14</sup><br>hone, bulletin                      |  |

| IBM® ThinkPad®  |  |  |  |  |
|---|--|--|--|--|
| L2 cache  | No upgrade / processor,<br>Celeron: 128KB; Pentiu<br>Internal 3.5" 1.44MB / rei<br>CD-ROM / 24X-10X <sup>5</sup> spe       | 400MHz¹ or Mobile Pentium® II 400MHz / 66MHz sy L2 cache, and MTXC (North Bridge) on Intel Mobile Im II: 256KB; All: onboard (full speed) / sync pipel movable from UltraBay™ FX / on right side / integrate ed / ATAPI / bootable / removable from UltraBay FX / Bay FX option / 4X-1X⁵ DVD integrated with a diske   | Module (MMC2)<br>ined burst / ECC / write-back<br>ed with CD-ROM / no external disktte port<br>on right side / integrated with diskette drive  |  |
| Preload (see side)<br>Avail / withdrawn date<br>Display (diagonal)  | 4.8GB <sup>4</sup> / 13ms<br>Windows 98<br>Sept 99 / Jul 00<br>12.1" TFT SVGA 6.4GB<br>Windo<br>Sept 9<br>14.1"            | Marcol   Pentium   I 400   Pentium   I 400   AGB / 12ms   AGB / 12ms | II 400<br>2ms<br>Jul 00<br>XGA   |  |
|   |  | Active Matrix   14.1" TFT color 358mm / Active Matrix   30ms / 150 nits   XGA / 1024x768 / 20 to 30ms / 120 nits to 1 contrast   16.7 million colors / 150 to 1 contrast   | its XGA / 1024x768 / 10 to 30ms / 120 nits   |  |
| Graphics controller   | 2.5MB / SGRAM (embed   | a256AV <sup>™</sup> (NM2200) / 128-bit engine, 256-bit memor<br>ded) / motion compensation / color space conversi<br>RT <sup>26</sup> / 150 degree tilt / multiple-monitor support <sup>26</sup>   | y interface / <b>1X AGP</b> / DDC2B / ion / interpolation in X and Y axis  |  |
| Memory - std / max<br>Memory - features   | 2 sockets for JEDEC 144  | OMHz / PC100-compliant / 3.3 volt / 64-bit /<br>I-pin SO DIMMs / one socket used by std memory /<br>oottom via removing cover held by phillips-head screw  | WINDOWS 98 PRELOAD <sup>16</sup> - Microsoft® Windows® 98  |  |
| Disk controller   |  | rnal disk / disk can be removed to upgrade by  | Access ThinkPad  |  |
| Keyboard<br>Pointing  | Full-size 85-key (7 Fn key<br>TrackPoint® / Press-to-Se<br>center button for scrolling                                     | nternal disks / 13ms read / 14ms write / S.M.A.R.T. <sup>29</sup> / functions) / palm rest / keyboard slope with tilt feet elect / Release-to-Select / dragging / click pace / (Internet Scroll Bar) or magnifying glass / spare caps  | <ul> <li>Online User's Guide</li> <li>ThinkPad Configuration Program</li> <li>ThinkPad Utilities</li> <li>IBM Update Connector</li> <li>RingCentral Fax</li> </ul>   |  |
| Dimensions<br>Weight <sup>2</sup> (with batt/disk)<br>Case material   | 12.1"/14.1": 12.4 x 10.1 x 12.1" and 14.1" models: 7 PC/ABS plastic  | 1.8" (225 cu in) 15": 12.9 x 10.6 x 1.8" (246 cu)<br>7.5 lbs (3.4 kg) 15" models: 7.9 lbs (3.6 kg)   | <ul><li>Ergonomics</li><li>Intelliquest Registration</li><li>Puma IntelliSync 97 (infrared)</li></ul>  |  |
| Battery - type<br>Battery - life <sup>10</sup> (1 batt)<br>Charge time <sup>10</sup>  | F0U: 2.5 hrs Gxx/Hxx: 3  | eft side Others: Li-Ion / intelligent / left side .67 hrs Jxx: 3.5 hrs rs off Jxx: 6 hrs on / 3 hrs off  | IBM Global Network Dialer     Netscape Communicator     Lotus® SmartSuite® Millennium <sup>20</sup>  |  |
| Architecture  | Texas Instruments® TI125   | el PIIX4E (EIDE, PCI to ISA bridge, USB)<br>51B PCMCIA controller / NS PC97338 (FDC, IR, I/O)<br>(EIDE, graphics, PCMCIA, USB, audio, modem)<br>allel, infrared)   | <ul> <li>PC-Doctor</li> <li>ConfigSafe®</li> <li>Norton AntiVirus™ (OEM Version)</li> <li>Universal Management Services</li> </ul>   |  |
|   | None<br>ThinkPad Port Replicator<br>2 Type I, 2 Type II, or 1 Ty<br>One USB / one 9 pin; 168                               | with Advanced EtherJet™ / Basic Port Replicator /pe III / CardBus 32-bit / PCMCIA 2.1 / Zoomed video 550A / one (IEEE P1284-A, EPP, ECP, bidirectional) im AC adapter, barrel, 3-prong, 56 watts   | <ul> <li>♦ Software Selections CD</li> <li>♦ Lotus SmartSuite Millennium CD-RC</li> <li>♦ Recovery CD-ROM (Windows 98)</li> <li>♦ Recovery CD-ROM (Windows 95)<sup>7</sup></li> <li>WINDOWS NT PRELOAD<sup>16</sup></li> </ul>   |  |
| Video (TV) out<br>MPEG decoder  | S-Video out connector of<br>None (W98 support for N<br>56K <sup>22</sup> V.90 / integrated in<br>conforms to earlier draft | n side (does not require cable) / Chrontel Ch7004C-T<br>MPEG-2 because 300MHz with motion compensation)<br>n system / PCI / Lucent 1646 / not voice-capable /<br>specs similar to Mini PCI Type IIIb   | Microsoft Windows NT® 4.0     Service Pack 4     ThinkPad Utilities     Online User's Guide  |  |
| Audio<br>Speakers<br>Audio features<br>Audio in/out jacks<br>Infrared ports   | Two Altec Lansing® stere<br>Dial volume control (right<br>Microphone jack (stereo)   | M support / ESS 1946 / PCI / full duplex so speakers (1 watt) on display (on front for 15" mod) is side) / internal microphone / headphone jack (stereo) / line-in jack / IrDA 1.1 compatible / up to 4Mbps  | <ul> <li>Online User's Guide</li> <li>ThinkPad Configuration Program</li> <li>Ergonomics</li> <li>Intelliquest Registration</li> <li>Puma IntelliSync 97 (infrared)</li> <li>IBM Global Network Dialer</li> </ul>  |  |
|   | security keyhole / security  | ,  | <ul><li>Netscape Communicator</li><li>ConfigSafe</li></ul>   |  |
| Limited warranty <sup>11</sup> Service options <sup>15</sup>  | On-site <sup>32</sup> , M-F, 8-5, next b   | Pad EasyServ <sup>TM31</sup> (door-to-door depot repair service) bus day (72 cities) / serv up to 5 yrs from purchase date   | <ul><li>Norton AntiVirus (OEM Version)</li><li>IBM Update Connector</li><li>SystemSoft CardWizard</li></ul>  |  |
| Color depth LCD   |  | OPTIONS  | Universal Management Services     Software Selections CD-ROM   |  |
| Resolution         TFT           640x480         16M           800x600         16M           1024x768         16M           1329x1034         16M | 60Hz 75Hz 85Hz<br>16M 16M 16M<br>16M 16M 16M<br>16M 16M 16M<br>256   | <ul> <li>32MB SO DIMM 100MHz NP SDRAM 20L0253</li> <li>64MB SO DIMM 100MHz NP SDRAM 20L0254</li> <li>128MB SO DIMM 100Mz NP SDRAM 20L0255</li> <li>256MB SO DIMM 100Mz NP SDRAM 33L3069</li> <li>Basic (ThinkPad 560) Port Replicator 46H4209</li> </ul>   | Lotus SmartSuite Millennium CD-ROM     Recovery CD-ROM (Windows NT)  |  |
| All models: - C: drive is FAT16 of 2 - D: drive is FAT32 of r   |  | <ul> <li>Port Replicator w/ Advanced EtherJet</li> <li>ThinkPad 390/i Series Li-Ion Battery</li> <li>Ultraslim 56 watt AC Adapter (3-prong)</li> <li>6.4GB disk with UltraBay FX adapter</li> <li>05K8923</li> </ul>   | FEATURES Wired for Management 1.1a-compliant DMI 2.0-compliant PC 98-compliant ACPI ready (APM enabled)  |  |
| the bottom of the systell should be off to safely supports: • standard diskette/CE Windows 98) • optional DVD/CD-R0                               | O-ROM (warm swap with<br>OM (warm swap; W98)<br>ery (hot swap; W98/NT);<br>n one   | - 10GB disk with UltraBay FX adapter - 12GB disk with UltraBay FX adapter - 4X-1X DVD/Diskette (for UltraBay FX) - 10/100 EtherJet Ready Port CardBus Adapter with 56K modem - 10/100 Ethernet CardBus PC Card - 1BM Portable Drive Bay - ThinkPad Proven™ solutions¹² (visit www.ibm.com/pc/us/thinkpad/proven)   | Wake on LAN® support <sup>28</sup> Setup Guide, User's Reference, Windows OS manual, and Quick Reference Card System Status Indicators Plug and Play 1.0a Standby, suspend, and hibernation modes ENERGY STAR-compliant International Warranty Service <sup>14</sup> IBM SystemXtra®, 35 |  |
| optional ThinkPad Pi  |  | Pressing F1 during startup brings up IBM BIOS<br>Setup Utility   | 24 hour / 7 day <sup>30</sup> telephone, bulletin<br>board, fax, electronic, and Internet<br>(www.ibm.com/pc/us) support   |  |

# Time ThinkPad® 390X (Pentium III) - withdrawn

| IBM <sup>®</sup> ThinkPad <sup>®</sup>  |  |  |   |  |   |   |  |
|---|--|--|---|--|---|---|--|
| Processor<br>Processor features<br>L2 cache<br>Diskette drive<br>CD-ROM<br>DVD-ROM  | No upgrade / processo<br>256KB / at processor s<br>Internal 3.5" 1.44MB / I<br>CD-ROM / 24X-10X <sup>5</sup> sp  | r, L2 cache, and mem-<br>peed / sync pipelined<br>removable from UltraB<br>peed / ATAPI / bootable   | DMHz¹ / 100MHz syster<br>ory controller (North Bri<br>burst / ECC / write-back<br>ay™ FX / on right side /<br>e / removable from Ultra<br>1X⁵ DVD integrated with | dge) on (<br>c<br>integrate<br>Bay FX /                  | ed with CD-RO<br>on right side / i  | odule (MMC2)<br>M / no external disktte port<br>integrated with diskette drive  |  |
| Type - model<br>Processor / MHz<br>Disk - size / read ms<br>Preload (see side)<br>Avail / withdrawn date<br>Display (diagonal)            | > 2626-L0U Pentium III 450MHz 12.0GB <sup>4</sup> / 12ms Windows 98 SE Dec 1999 / Oct 2000 14.1" TFT XGA   | <ul> <li>2626-LNU</li> <li>Pentium III 450MHz</li> <li>12.0GB / 12ms</li> <li>NT 4.0</li> <li>Dec 1999 / Oct 2000</li> <li>14.1" TFT XGA</li> </ul>  | 2626-L2U Pentium III 450MHz 12.0GB / 12ms Windows 2000 Feb 2000 / Oct 2000 14.1" TFT XGA  | ≈ 2626<br>Pentiur<br>12.0GB<br>Windov                    | -M0U<br>n III 500MHz<br>/ 12ms<br>vs 98 SE<br>99 / Jan 2001   | <pre>&gt;&lt; 2626-MNU Pentium III 500MHz 12.0GB / 12ms NT 4.0 Dec 1999 / Jan 2001 15" TFT XGA</pre>  |  |
| Display - size and type<br>Display - technology   | 2 14.1" TFT color 358mm<br>XGA / 1024x768 / 20 to<br>16.7 million colors /15   | 30ms / 120 nits  |   | XGA / 1  | FT color 381mm / Active Matrix<br>1024x768 / 10 to 30ms / 120 nits<br>Ilion colors / 150 to 1 contrast  |   |  |
| Graphics controller   | 2.5MB / SGRAM (embe  | edded) / motion comp   | / 128-bit engine, 256-bit ensation / color space / multiple-monitor support   | conversi   |   |   |  |
| Memory - std / max<br>Memory - features   | 64MB / 512MB <sup>33</sup><br>SDRAM / non-parity / 1<br>2 sockets for JEDEC 1  | 00MHz / PC100-compl<br>44-pin SO DIMMs / on  |   | emory /  |   |   |  |
| Disk controller<br>Keyboard<br>Pointing   | customer / supports two<br>Full-size 85-key (7 Fn k<br>TrackPoint® / Press-to-s  | internal disks / 13ms r<br>ey functions) / palm res<br>Select / Release-to-Sel   | e removed to upgrade by<br>ead / 14ms write / S.M./<br>st / keyboard slope with<br>ect / dragging / click pac<br>or magnifying glass / spa                        | A.R.T. <sup>29</sup><br>tilt feet<br>ce /                | <ul> <li>ThinkPad C</li> <li>ThinkPad Ut</li> <li>IBM Update</li> <li>RingCentral</li> <li>ThinkPad or</li> </ul>   | onfiguration Program<br>illities<br>Connector<br>Fax<br>ı the Net   |  |
| Dimensions <sup>36</sup><br>Weight <sup>2</sup> (with batt/disk)<br>Case material   | 14.1"mod: 12.4 x 10.2 x<br>14.1" models: 7.7 lbs (3<br>PC/ABS plastic  |  | od: 12.9 x 10.6 x 1.8" (2<br>) lbs (3.6 kg)   | 246 cu)  | <ul> <li>Netscape C</li> </ul>  | Network Dialer  |  |
| Battery - type<br>Battery - life <sup>10</sup> (1 batt)<br>Charge time <sup>10</sup>  | Li-lon / intelligent / left s<br>14.1" models: 3.7 hrs<br>14.1" models: 5 hrs on /   | 15" models: 3.3 hrs  | ls: 6 hrs on / 3 hrs off  |  | PC-Doctor     ConfigSafe®     Norton AntiVirus™ (OEM Version)   |   |  |
| Architecture  | Intel 440BX AGPset / Intel PIIX4E (EIDE, PCI to ISA bridge, USB) / Texas Instruments® TI1251B PCMCIA controller / NS PC97338 (FDC, IR, I/O) PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, PCMCIA, USB, audio, modem)   |  |   |  | <ul> <li>Universal M</li> <li>Software Se</li> <li>Lotus Smart</li> <li>Recovery Cl</li> </ul>  | anagement Services (web)<br>lections CD<br>Suite Millennium CD-ROM<br>D-ROM (Windows 98)  |  |
| Docking station Port replicator PC Card Std slots USB / serial / parallel Other features  | 2 Type I, 2 Type II, or 1 One USB / one 9 pin; 1   | ThinkPad Port Replicator with Advanced EtherJet™ / Basic Port Replicator Type I, 2 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / Zoomed video One USB / one 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)   |   |  |   | D-ROM (Windows 95) <sup>7</sup> VS 2000 PRELOAD <sup>16</sup> 000® Professional   |  |
| Video (TV) out MPEG decoder Data/fax modem Audio Speakers Audio features  | S-Video out connector<br>None (W98 support for<br><b>56K</b> <sup>37</sup> V.90 / integrated<br>conforms to earlier drai<br>16-bit SoundBlaster Pr   | APM-aware BIOS / Ultraslim AC adapter, barrel, 3-prong, 56 watts  S-Video out connector on side (does not require cable) / Chrontel Ch7004C-T None (W98 support for MPEG-2 because 300MHz with motion compensation)  56K³7 V.90 / integrated in system / PCI / Lucent 1646 / not voice-capable / conforms to earlier draft specs similar to Mini PCI Type IIIb 16-bit SoundBlaster Pro™ support / ESS 1946 / PCI / full duplex Two Altec Lansing® stereo speakers (1 watt) on display (on front for 15" mod) |   |  |   | ilities<br>'s Guide<br>onfiguration Program<br>ation<br>Fax<br>ommunicator  |  |
| Audio in/out jacks<br>Infrared ports  | Microphone jack (stere<br>Infrared port on left sid  | o) / headphone jack (s<br>e / IrDA 1.1 compatible  | stereo) / line-in jack<br>e / up to 4Mbps   |  | <ul><li>ConfigSafe</li><li>IBM Update</li><li>SystemSoft</li><li>Norton Antily</li></ul>  | Connector<br>CardWizard<br>⁄irus™ (OEM Version)   |  |
| Security  Limited warranty <sup>11</sup> Service options <sup>15</sup>  | Power-on password / si<br>security keyhole / secur<br>1 year - carry-in or Thir<br>On-site <sup>32</sup> , M-F, 8-5, nex   | ity screw for UltraBay l<br>nkPad EasyServ™³¹ (do  |   | service)<br>ase date                                     | <ul> <li>Universal M</li> <li>Lotus Smart</li> <li>Software Se</li> <li>Recovery Cl</li> </ul>  | anagement Services (web)<br>Suite Millennium CD<br>elections CD-ROM<br>D-ROM (Windows 2000)<br>D-ROM (Windows NT) <sup>40</sup>   |  |
| Color depth LCD   |  |  | OPTIONS   |  | V Recovery Ci   | 5-ROW (WINDOWS INT)   |  |
| Resolution         TFT           640x480         16M           800x600         16M           1024x768         16M                         | 60Hz 75Hz 85Hz<br>16M 16M 16M<br>16M 16M 16M<br>16M 16M 16M  | - 64MB SO DIMM 1<br>- 128MB SO DIMM  |   |  |   | FEATURES  |  |
| The right bay (UltraBa on the bottom of the swhich should be off to it supports:  • standard diskette/CI Windows 98)  • optional DVD/CD-R | 256   256         27   27   27   27     28   27   27     29   27     29   27     29   27     20   27     20   27     20   27     20   27     20   27     20   27     20   27     21   27     22   27     23   27     24   27     25   27     26   27     27   27     27   27     28   27     29   27     20   27     20   27     21   27     21   27     22   27     23   27     24   27     25   27     27   27     27   27     27   27 | - Port Replicator w/ - ThinkPad 390 Li-I - Ultraslim 56 watt A - 10GB disk with U - 12GB disk with UI - 4X-1X DVD/Diske - CD/Diskette (for U   | on Battery C Adapter (3-prong) C Adapter (3-prong) O2 O2 O3 O4 O5   | 6K4872<br>2K6513<br>2K6545<br>6K8923<br>6K8983<br>6K9268 | DMI 2.0-comp<br>PC 98-complia<br>ACPI ready (A<br>Wake on LAN<br>Setup Guide,<br>OS manual,<br>System Status<br>Plug and Play<br>Standby, susp<br>ENERGY STA<br>International W<br>IBM SystemXt<br>24 hour / 7 da<br>board, fax, el | ant  PM enabled)  support <sup>28</sup> Support <sup>28</sup> Support <sup>28</sup> Support <sup>28</sup> And Quick Reference Card  Indicators  1.0a  end, and hibernation modes  R-compliant  Varranty Service <sup>14</sup> |  |

| IBM® ThinkPad®:  | <b>≈ 560</b>  | <b>≈ 560</b>  | ThinkPad 560 key features:  |  |  |  |
|--|---|---|---|--|--|--|
|  | 11.3" Dual Scan SVGA col  | or 12.1" TFT SVGA color   | Next generation ultraportable notebook  |  |  |  |
| Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM drive  | None<br>None<br>External 3.5" 1.44 MB (con<br>External FDD port (works  | nects to left side) / includes case with a cable with standard external diskette; no kit reqd) DEM option via PCMCIA or parallel port)  | > Next generation unitable notebook > Slim: 1.2 inches > Lightweight: 4.1 pounds > Full size keyboard > Pentium 100/66 to 133/66 MHz > 11.3" Dual Scan SVGA or 12.1" TFT SVGA > PCI bus > 8 MB EDO memory |  |  |  |
| Price Type - model Preload (see side) Avail / withdrawn date Pentium speed Disk - size / ms Disk controller                    |   | 2640-E0A  | Pallet of 24<br>2640-F0D<br>OS/2 Warp Connect Blank<br>97 July 1996 / January 1997  |  |  |  |
| Display - size and type Display - techology  | 11.3" SVGA color / 640 x 4  |   | color / 640 x 480 or 800 x 600 / 65,536 sim colors<br>TFT - active matrix / 100 to 1 contrast ratio   |  |  |  |
| Graphics - controller<br>Graph - arch/data path<br>Gaphics - features<br>Graphics - external                                   | Trident™ CYBER9382 / 64 PCI 2.1 / 32 bit / 32 bit path Simultaneous LCD and CF External SVGA to 1024 x 7                    | bit SVGA accelerator / 1 MB fast page DRAM / 70<br>to memory / <b>DCI, DirectDraw, EnDIVE suppor</b><br>T / 135 degree tilt<br>68 w/ 256 colors   | Ons rt  WINDOWS 95 PRELOAD  - Microsoft Windows 95  - Online User's Guide   |  |  |  |
| Memory - std / max<br>Memory - features<br>Memory - upgrade  | 8 MB / 40 MB (72 MB with<br>70 ns / non-parity / 3.3 volt<br>1 socket for one JEDEC 1                                       |   | ThinkPad Features Program     PC Card Director 4.0     Diskette Factory   |  |  |  |
| Keyboard / # of keys<br>Keyboard slope<br>Pointing device<br>Palm rest   | TrackPoint III™ / no drag lo  | d remains flat (no sloop) / opt P Replicator adds slo   | 4. IDM Internet Connection Comments   |  |  |  |
| Dimensions<br>Weight   | 11.7 x 8.7 x 1.22" (124 cub<br>4.12 pounds (1.87 kg)  | ic inches)<br> 4.10 pounds (1.86 kg)  | <ul><li>5. Puma TranXit™</li><li>6. Compuserv for Windows</li></ul>   |  |  |  |
| Battery - type Battery - life (1 batt) Charge time - on / off  | Lithium Ion / intelligent<br>3 hours<br>2.5 to 3.5 hrs / 1.5 hrs  |   | 7. NetFinity for Windows 95 - Lotus SmartSuite 96 CD-ROM  OS/2 WARP CONNECT PRELOAD   |  |  |  |
| Architecture  Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features                         | None<br>ThinkPad 560 Port Replica<br>2 Type I or 2 Type II or 1 Ty<br>One 9 pin; 16550A / one (II                           | DE, graphics, PCMCIA) / Mobile Triton 82430MX<br>ator<br>rpe III<br>EEE P1284-A, EPP, ECP, bidirectional)<br>ong (35 watts) with barrel connector /   | - IBM OS/2 Warp Connect Version 3 with WIN-OS/2 with BonusPak applications - Online User's Guide - ThinkPad Features Program - PC Card Director 4.0 - Diskette Factory 1. Lotus Organizer                 |  |  |  |
| Video in/out<br>MPEG decoder<br>DSP function<br>Data/fax modem<br>Audio support<br>Jacks<br>Telephone<br>Infrared ports        | None<br>None<br>None<br>16 bit audio chip / 18 void<br>Int stereo speakers / .5 wai<br>Input jack (3.5 mm) / Output<br>None | te MIDI FM synthesis / ESS1688 tt / rotary volume control / internal microphone t jack (3.5 mm) / not full duplex speaker/mic rDA 1.0 compatible / up to 115 Kbps   | 2. Puma TranXit™ 3. IntelliLink Connect 4. NetFinity for OS/2 5. Triton CoSession™ Host; - Lotus SmartSuite 4.0 (entitled to SSuite 96)  BLANK PRELOAD - License for SmartSuite                           |  |  |  |
| Security   | Power-on password / Lock  | ing device keyhole on back<br>Personalization screen at startup   | The optional <b>ThinkPad 560 Port Replicator</b> acts as a wedge which  |  |  |  |
| Preinstalled software<br>Warranty  | Windows 95 with application   | · · · · · · · · · · · · · · · · · · ·   | attaches to the back and bottom of the  |  |  |  |
| Easy-Setup is entered turning on.  | by holding F1 when  | Compatible in ThinkPad 560 family: - Disks: (365/760 IDE disks not supported)   |   |  |  |  |
| 810 MB = DMA Mod<br>1.08 GB = DMA Mod  |   | 1.08 GB HDD II EIDE 13 ms 46H420<br>- 2.1 GB HDD 14 ms 45H878<br>- ThinkPad 560 Port Replicator 46H420  | FEATURES OF 560 MODELS  |  |  |  |
| Fn + F2 = Batteryg<br>Fn + F3 = Standby<br>Fn + F4 = Suspend<br>Fn + F7 = LCD/CR<br>Fn + F11 = Power m<br>Fn + F12 = Hibernati | T/Simultaneous<br>gmt   | - ThinkPad 560 Li-Ion Battery Pack 46H420 - 35 watt AC Adapter - barrel/3 prong 85G671 - 35 watt AC Adapter (slim, 2 pin) 76H013 - 8 MB SO DIMM 3.3v NP EDO 64 bit 92G734 - 32 MB SO DIMM 3.3v NP EDO 64 bit 92G734 | Plug and Play 1.0a Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate indention  |  |  |  |
| Hardware accelerati<br>Windows™ is integrat<br>graphics controller; integration axis; color space conv                         | on of 'Video for<br>red into the 9382<br>terpolation in X and Y   | Disk is not removable (like 755/760 systems), but it can be upgraded via a dealer or service center (not customer installable).  System does not have non-disruptive battery  | Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet   |  |  |  |
| enabled  | GISIOH WHEH DOI   | exchange. Battery can be changed while system is off, in hibernation, or under AC power.  | (http://www.pc.ibm.com) support<br>IBM and dealer warranty/service<br>Online Housecall (remote diagnostics)   |  |  |  |

# Time ThinkPad 560 (1997 models) - withdrawn

| IBM <sup>®</sup> ThinkPad <sup>®</sup> :  | <b>×</b> 560   | <b>×</b> 560  | ThinkPad 560 key features:   |
|---|--|---|--|
| Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM drive Code name   | None<br>None<br>External 3.5" 1.44 MB (co<br>External FDD port (works  | or 12.1" TFT SVGA color 4 bit to transfers to memory  nnects to left side) / includes case with a cable with standard external diskette; no kit reqd) DEM option via PCMCIA or parallel port) | <ul> <li>Next generation <u>ultraportable</u> notebook</li> <li>Slim: 1.2 inches</li> <li>Lightweight: 4.1 pounds</li> <li>Full size keyboard</li> <li>Pentium 133/66 MHz</li> <li>11.3" Dual Scan SVGA or 12.1" TFT SVGA</li> <li>PCI bus</li> <li>8 MB EDO memory</li> </ul>                                 |
| Price Type - model Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller   | 2640-10U<br>Windows 95 OSR2<br>February 1997 / January 1<br>2.1 GB / 14 ms / DMA Mo<br>EIDE / busmaster / PCI 2. |   | ,  |
| Display - size and type   | 11.3" Dual Scan SVGA co  | olor 12.1" TFT SVGA color   |  |
| Display - techology   | 11.3" SVGA color / 640 x<br>256 simultaneous colors /  |   | color / 640 x 480 or 800 x 600 / 65,536 sim colors<br>TFT - active matrix / 100 to 1 contrast ratio  |
| Gaphics - features<br>Graphics - external   | PCI 2.1 / 32 bit / 32 bit path<br>Simultaneous LCD and CF<br>External SVGA to 1024 x 7                           | '68 with 256 colors   | - Microsoft Windows 95 OSR2<br>- Online User's Guide   |
| Memory - std / max<br>Memory - features<br>Memory - upgrade   | 8 MB / 40 MB (72 MB w/ T<br>70 ns / non-parity / 3.3 volt<br>1 socket for one JEDEC 1                            |   | ThinkPad Features Program     PC Card Director 4.0     Diskette Factory  |
| Keyboard / # of keys<br>Keyboard slope<br>Pointing device<br>Palm rest  | TrackPoint III™ / no drag lo   | d remains flat (no sloop) / opt P Replicator adds   | 4. Dura Tran Vitt  |
| Dimensions<br>Weight  | 11.7 x 8.7 x 1.22" (124 cub<br>4.12 pounds (1.87 kg)   | ic inches)<br>[4.10 pounds (1.86 kg)  | 6. IBM Anti-Virus 7. IGN/Netscape web browser  |
| Battery - type<br>Battery - life (1 batt)<br>Charge time - on / off   | Lithium Ion / intelligent<br>3 hours<br>2.5 to 3.5 hrs / 1.5 hrs   |   | 8. Ergonomics 9. Lotus Organizer - Lotus SmartSuite 96 CD-ROM -  |
| Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features  Video in/out MPEG decoder   | None<br>ThinkPad 560 Port Replica<br>2 Type I or 2 Type II or 1 Ty<br>One 9 pin; 16550A / one (II                | EIDE, graphics, PCMCIA) / Mobile Triton 82430<br>ator<br>/pe III<br>EEE P1284-A, EPP, ECP, bidirectional)<br>ong (35 watts) with barrel connector (slim) /                                    | DMX  |
| DSP function Data/fax modem Audio support  Jacks Telephone Infrared ports   | None<br>None<br>16 bit audio chip / 18 void<br>Internal stereo speakers / Input jack (3.5 mm) / Outpu<br>None    | ce MIDI FM synthesis / ESS1688<br>5 watt / rotary volume control / internal micropho<br>t jack (3.5 mm)<br>rDA 1.0 compatible / up to 115 Kbps  | unit and provides a keyboard slope. Following are its connectors:  |
| Security  | Power-on password / hard   | disk password / Locking device keyhole on back<br>/ Personalization screen at startup   | - Release button - Security keyhole (Kensington) - Mouse   |
| Preinstalled software Warranty  | Windows 95 with application  |   |  |
| Easy-Setup is entered turning on.   | by holding F1 when   | OPTIONS   | - Serial (9 pin)<br>- External diskette drive<br>- Power jack  |
| Fn + F2 = Battery g Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CR Fn + F11 = Power m Fn + F12 = Hibernati Windows™ is integrat graphics controller; int axis; color space convenabled System does not have | T/Simultaneous<br>gmt<br>on<br>on of 'Video for<br>ed into the 9382<br>terpolation in X and Y                    | - Disks: (365/760 IDE disks not supported) 1.08 GB HDD II EIDE 13 ms  | PEATURES OF 560 MODELS  Quick Setup Guide Plug and Play 1.0a Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate indention Personalization screen at startup International Warranty Service IBM System Care Program 1 24 hour /7 day telephone, bulletin |
| exchange. Battery ca<br>system is off, in hiberr<br>power.  | an be changed while anation, or under AC   | Disk is not removable (like 755/760 systems), but it can be upgraded via a dealer or service center (not customer installable).   | (http://www.pc.ibm.com) support<br>IBM and dealer warranty/service<br>Online Housecall (remote diagnostics)  |

## IIM ThinkPad 560E - withdrawn

| IBM <sup>®</sup> ThinkPad <sup>®</sup> :   | ★ 560E  11.3" Dual Scan SVGA colo  | → 560E  or 12.1" TFT SVGA color  12.1" TFT SVGA color  12.1" TFT SVGA color  13.1" TFT SVGA color  14.1" TFT SVGA color  15.1" TFT SVGA color  16.1" |  |  |  |
|--|--|--|--|--|--|
| Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM drive  | Pentium <sup>a</sup> 150/60 MHz or 10<br>None<br>256 KB / write-back / direct<br>External 3.5" 1.44 MB (conn<br>External FDD port (works w                   | mapped / 8 ns / synchronous pip<br>lects to left side) / includes case vith standard external diskette; no<br>EM option via PCMCIA or paralle  | elined burst<br>with a cable<br>kit reqd)  | fers to L2 cache and memory  |  |
| Price Type - model (code) Processor Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller                   | 2640-30U Pentium 150/60 with MMX Windows 95 OSR2 June 1997 / January 1998 2.1 GB / 14 ms / DMA Mode EIDE / busmaster / PCI 2.1                               |  | MMX technology   |  |  |
| Display - size and type  | 11.3" Dual Scan SVGA co  | or   12.1" TFT SVGA color  | 7  |  |  |
| Display - techology  | 11.3" SVGA color / 640 x 4<br>65,536 sim colors / Dual S   |  |  | 640 x 480 or 800 x 600 / 65,536 sim colors active matrix / 100 to 1 contrast ratio   |  |
| Graphics - controller<br>Graph - arch/data path<br>Graphics - features<br>Graphics - external                                    |  |  |  | WINDOWS 95 PRELOAD  - Microsoft Windows 95 OSR2 (FAT16)  - Online User's Guide   |  |
| Memory - std / max<br>Memory - features<br>Memory - upgrade  | 16 MB / 80 MB<br>70 ns / non-parity / 3.3 volt /<br>1 socket for one JEDEC 14  | EDO<br>4 pin EDO SO-DIMM of 8, 16, 32  | , 64 MB  | - ThinkPad Features Program<br>- PC Card Director 4.0<br>- Diskette Factory<br>- 1. Triton CoSession™ Host   |  |
| Keyboard / # of keys<br>Keyboard slope<br>Pointing device<br>Palm rest   | TrackPoint III™ / no drag loc  | èmains flat (no sloop) / opt P Replic  | ·  | 2. CompuServ for Windows 3. NetFinity for Windows 95 4. Puma TranXit™ 5. IntelliLink Connect   |  |
| Dimensions<br>Weight   | 11.7" x 8.7" x 1.22" (124 cul<br>4.1 pounds (1.9 kg)   | oic inches)<br>  4.1 pounds (1.9 kg)   |  | 6. IBM Anti-Virus     7. IBM Global Network with Netscape  |  |
| Battery - type<br>Battery - life (1 batt)<br>Charge time - on / off  | Lithium Ion / intelligent<br>3 hours<br>2.5 to 3.5 hrs / 1.5 hrs   |  |  | web browser 8. Registration Mailer 9. Lotus Organizer - 10. Lotus SmartSuite 96  |  |
| Architecture  Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features                           | PCI 2.1/32 bit/33 Mhz (Ell<br>None<br>ThinkPad 560 Port Replicat<br>2 Type I or 2 Type II or 1 Ty<br>One 9 pin; 16550A/one (IE<br>Universal AC Adapter 2 pro | parallel, infrared) / NS PC87334 ( DE, graphics, PCMCIA) / Mobile  or  pe III / Cirrus Logic® PD6729  EE P1284-A, EPP, ECP, bidirect  ng (35 watts) with barrel connect  2 / Selectable boot / IBM BIOS  | Recovery CD-ROM with boot disketted.     Windows 95 CD-ROM (no installation.)  Disk is not removable (like 755/760 systems), but it can be upgraded via a dealer or service center (not customer.) |  |  |
| Video in/out MPEG decoder DSP function Data/fax modem Audio support  Jacks Telephone Infrared ports                              | Internal stereo speakers / .5<br>Input jack (3.5 mm) / Output<br>None  | MIDI FM synthesis / ESS1688<br>watt / rotary volume control / inte<br>. jack (3.5 mm) / not full duplex sp<br>DA 1.1 compatible / up to 4 Mb   | eakers/mic   | The optional <b>ThinkPad 560 Port Replicator</b> acts as a wedge which attaches to the back and bottom of the unit and provides a keyboard slope. Following are its connectors:                  |  |
| Security   | Power-on password / hard of  | disk password / Locking device k   |  | - Release button   |  |
| Preinstalled software<br>Warranty<br>Service options   | Windows 95 with application  1 year - ThinkPad EasySer   | Personalization screen at startup<br>ns (listed on right)<br>v (depot repair service) or carry-inday (71 cities) / Warranty extens   | - Security keyhole<br>- Mouse<br>- Keyboard<br>- External monitor<br>- Parallel  |  |  |
| Easy-Setup is entered turning on.  | d by holding F1 when   | OPTIONS - Disks: (365/760 IDE disks not seed to 2.1 GB HDD 14 ms   | supported)<br>45H8783  | - Serial (9 pin)<br>- External diskette drive<br>- Power jack  |  |
| Fn + F2 = Battery g<br>Fn + F3 = Standby<br>Fn + F4 = Suspend<br>Fn + F7 = LCD/CR'<br>Fn + F11 = Power m<br>Fn + F12 = Hibernati | T/Simultaneous<br>gmt<br>on<br>on of 'Video for  | 4.0 GB HDD 13 ms  - ThinkPad 560 Port Replicate - ThinkPad 560 Li-Ion Battery - 35 watt AC Adapter - barrele - 35 watt AC Adapter (slim, 2) - 8 MB SO DIMM 3.3v NP EDO - 16 MB SO DIMM 3.3v NP EDO - 32 MB SO DIMM 3.3v NP EDO   | 02K0501<br>0r 46H4209<br>7 Pack 46H4206<br>3 prong 85G6719<br>pin) 76H0139<br>64 bit 92G7340<br>0 64 bit 92G7341   | FEATURES OF 560E MODELS  Quick Setup Guide Plug and Play 1.0a Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate indention                |  |
| exchange. Battery ca   | terpolation in X and Y version when DCI e non-disruptive battery an be changed while   | <ul> <li>64 MB SO DIMM 3.3v NP EDG</li> <li>External 4x PCMCIA CD-RON</li> <li>Ext 4x PCMCIA Stereo CD</li> <li>8-20 x Portable CD-ROM</li> <li>8-20 x Portable Stereo CD-PCMCIA 33.6 Kbps modem</li> </ul>  | 76H0268<br>76H0268<br>76H0268<br>76H0268<br>7969008<br>7969010<br>7969010<br>7969011<br>7969011<br>7969011<br>7969011  | Personalization screen at startup International Warranty Service IBM SystemXtra Program 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support |  |
| system is off, in hiberr<br>power.   | iation, or under AC  | <ul> <li>PCMCIA 33.6 modem w/ X</li> <li>56K PC Card Modem Kit</li> <li>Other options from ThinkPa</li> </ul>  | 04K0052  | IBM and dealer warranty/service Online Housecall (remote diagnostics)  |  |

| IBM <sup>®</sup> ThinkPad <sup>®</sup>   |  |  |   |  |  |
|--|--|--|---|--|--|
| Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM drive  | Pentium® MMX™ 200/66 or 2<br>None<br>256KB / write-back / direct ma<br>External 3.5" 1.44MB (connec<br>External FDD port (works with<br>None (CD-ROM drive as opti   | apped / 8ns /<br>cts to left sid<br>n standard e   | / synchronous pipelined burst<br>e) / includes case with a cable<br>xternal diskette; no kit reqd)  |  | New features of 560X (compared to 560E):  200 or 233MHz Pentium (vs 150 or 166)  32MB memory standard (vs 16MB)  96MB maximum memory (vs 80MB)  CardBus and Zoomed Video PC Cards  One USB port (vs none)  |
| Price Type - model (code) Processor Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller   | 2640-60U Pentium MMX 200/66MHz Windows 95 OSR2.1 + IE 4. March 1998 / September 199 2.1GB <sup>4</sup> / 14ms / SMART EIDE / busmaster / PCI 2.1 /   | 98   | 2640-70U<br>Pentium MMX 233/66MHz<br>Windows 95 OSR2<br>November 1997 / September 1<br>4.0GB / 13ms / SMART<br>/33 or PIO Mode 4 / supports 1 | Supports Enhanced Port Replicator 430TX (vs 430MX) MagicGraph128XD (vs CYBER9382) 256K simultaneous colors (vs 64K) 56 watt AC Adapter (vs 35 watt) ConfigSafe and LANDesk preloaded |  |
| Display - size and type  Display - techology   | 12.1" HPA SVGA color (dua<br>640x480 or 800x600<br>262,144 simultaneous colors<br>30 to 1 contrast / 150ms / 70  | ,<br>S   | 12.1" TFT SVGA color (active 640x480 or 800x600 262,144 simultaneous colors 100 to 1 contrast ratio   | e matrix)  | WINDOWS 95 PRELOAD16  - Microsoft® Windows® 95 OSR2 (FAT16)  • Online User's Guide   |
| Graphics - controller  | NeoMagic™ MagicGraph12<br>2MB / iDRAM™ (embedded)<br>Interpolation in X and Y axis /<br>Simultaneous LCD and CRT   | <b>28XD™</b> (NM<br>/ PCI 2.1 / 2<br>/ color space<br>/ 135 degre  | 2160A) / 128-bit SVGA accelera<br>Zoomed Video support<br>e conversion  |  | <ul> <li>ThinkPad Features Program</li> <li>SystemSoft CardWorks™</li> <li>Diskette Factory and Utilities</li> <li>Puma TranXit™</li> <li>IBM Anti-Virus</li> </ul>  |
| Memory - std / max<br>Memory - features<br>Memory - upgrade  | 32MB std / 96MB max<br>60ns / non-parity / 3.3 volt / E<br>1 socket for one JEDEC 144  |  | O-DIMM of 8, 16, 32, 64MB   |  | <ul> <li>IBM Global Network with<br/>Netscape web browser</li> <li>Intelliquest Registration Mailer</li> <li>Artisoft ConfigSafe</li> </ul>  |
| Keyboard / # of keys<br>Keyboard slope<br>Pointing device<br>Palm rest   | Full size alp/num / 85 keys (<br>Large palm rest / keyboard<br>TrackPoint® III / no drag lock<br>Integrated palm rest / externa  | remains fla<br>keys  |   | Intel® LANDesk® Client Manager     PointCast (with ThinkPad channel)     Ergonomics     Lotus® SmartSuite 97   |  |
| Dimensions<br>Weight <sup>2</sup>  | 11.7" x 8.7" x 1.22" (124 cub<br>4.17 pounds (1.89 kg)   | •  | ,   | <ul> <li>NetFinity for Windows 95 (license only)</li> <li>Recovery CD-ROM with boot diskette</li> </ul>  |  |
| Battery - type / life <sup>10</sup><br>Charge time - on / off  | Lithium Ion / intelligent / 3.5 h<br>2.5 to 3.5 hrs / 1.5 hrs  | nours  |   | ♦ Windows 95 CD-ROM (no installation)  |  |
| Architecture  Docking Station Portreplicator PC Card Std slots  Serial / parallel ports USB port Other features  | PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, PCMCIA, USB) / ISA (audio, diskette, serial, parallel, infrared) / NS PC97338 (FDC, IR, I/O) Intel 430TX PCIset / PIIX4 (EIDE, USB, PCI to ISA bridge) / TI1250A None ThinkPad 560 Port Replicator / ThinkPad Enhanced Port Replicator 2 Type I or 2 Type II or 1 Type III / CardBus 32-bit PCI / Zoomed Video PCMCIA 2.1 compatible / Texas Instruments® TI1250A controller One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) One USB port Universal AC Adapter; 3 prong (56 watts) with barrel connector / APM-aware BIOS / APM 1.2 / Selectable boot / IBM BIOS |  |   |  | Disk is not removable, but it can be upgraded via a dealer or service center (not customer installable).  Easy-Setup is entered by holding F1 when turning on.  System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power. |
| Video in/out<br>MPEG decoder<br>Data/fax modem<br>Audio support<br>Jacks<br>Infrared ports   | None None (software support for MPEG-1 in Windows 95) None 16-bit audio chip / FM synthesis / CS4237B / SRS 3D audio (if use ext speakers) Internal mono speaker / .5 watt / rotary volume control / internal microphone Input jack (3.5 mm) / stereo output jack (3.5 mm) / not full duplex speakers/mic Infrared port (left side) / IrDA 1.1 compatible / up to 4Mbps  |  |   | hone   | The optional ThinkPad 560 Port Replicator acts as a wedge which attaches to the back and bottom of the unit and provides a keyboard slope. Following are its connectors: - Release button  |
| Security   | · · · · · · · · · · · · · · · · · · ·  | isk passwo   | rd / security keyhole on back /   |  | <ul><li>Security keyhole</li><li>Mouse</li><li>Keyboard</li></ul>  |
| Limited warranty <sup>11</sup><br>Service options <sup>15</sup>  | 1 year - ThinkPad EasyServ (door-to-door depot repair service) or carry-in On-Site, M-F, 8-5, next bus day (71 cities) / warranty extension to 3 or 5 years  |  |   |  | <ul><li>External monitor</li><li>Parallel</li></ul>  |
| cable management, a<br>CardBus PC Card slot<br>- Dual IBM lock slots in<br>PC Cards, and Port I<br>Connectors:<br>- USB<br>- Serial (RS-232, 9 pir<br>- External display, Ke<br>- Audio in and out (3.5) | n), Parallel (25 pin) yboard, Mouse  | <ul> <li>ThinkPac</li> <li>ThinkPac</li> <li>ThinkPac</li> <li>56 watt A</li> <li>8MB SO</li> <li>16MB SC</li> </ul> | sk, 13ms 02<br>sk, 13ms, Ultra DMA/33 02<br>d 560 Port Replicator 1560 Li-lon Battery Pack 46<br>C Adapter (barrel; 3 prong) 83               | 3H6739<br>2G7340<br>2G7341   | - Serial (9 pin) - External diskette drive - Power jack  FEATURES  Wired for Management 1.1a  DMI 2.0 compliant PC 97 compliant Setup Guide, User's Guide, Up and Running Plug and Play 1.0a Standby, suspend, safe suspend, and hibernation modes   |
| - External diskette driv<br>- Power connector<br>Features of the PC Ci<br>- Two Type III slots (s<br>- PC Card Standard 9<br>- CardBus compliant of  | ard slots: ide by side) 5 compliant (PCI 2.1 / 32-bit)   | <ul> <li>64MB SC</li> <li>20X-8X F</li> <li>20X-8X F</li> <li>PCMCIA</li> <li>PCMCIA</li> <li>56K PC C</li> </ul>    | Portable Stereo CD-ROM 19<br>33.6Kbps modem 25<br>33.6 modem w/ XJACK 55  | 6H0268<br>969010<br>969011<br>5H6420<br>5H6759<br>4K0052   | ENERGY STAR compliant Personalized nameplate indention International Warranty Service <sup>14</sup> IBM SystemXtra <sup>TM</sup> 24 hour / 7 day telephone <sup>30</sup> , bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support IBM and dealer warranty/service                 |

| IBM <sup>®</sup> ThinkPad <sup>®</sup>  |   |   |  |  |
|---|---|---|--|--|
| Processor Processor features L2 cache Diskette drive External FDD port CD-ROM drive Type - model Preload (see side)   | No processor upgrade / p<br>512KB / synchronous pip<br>External 3.5" 1.44MB (co<br>External FDD port (works   |   | WINDOWS 98 PRELOAD16  - Microsoft® Windows® 98  - ThinkPad Utilities  - Online User's Guide  - ThinkPad Configuration Program  - ThinkPad on the Net  - IBM Update Connector   |  |
| Processor<br>Disk - size / ms<br>Disk controller  | Pentium II 233MHz<br>4.0GB <sup>4</sup> / 13ms / SMART<br>Disk can be removed and<br>EIDE / busmaster / PCI 2   | Pentium II 300MHz   | IBM Global Network Dialer  |  |
| Display - size and type  Display - techology  | 12.1" TFT SVGA color (640x480 or 800x600<br>16.7 million simultaneous<br>100 to 1 contrast ratio  | active matrix)  All models: - C: drive is FAT16 of 2GB - D: drive is FAT32 (if W98) or FAT16 (if NT) of remaining space   | Netscape Navigator web browser Lotus® SmartSuite 97 Artisoft ConfigSafe Norton AntiVirus Customization Center CD-ROM  Customization Center CD-ROM  |  |
| Graphics - controller<br>Graph - arch/data path<br>Graphics - features<br>Graphics - features<br>Graphics - external  | 2MB / iDRAM™ (embedd<br>Interpolation in X and Y a<br>Simultaneous LCD and C  | h128XD™ (NM2160) / 128-bit SVGA accelerator led) / PCI 2.1 / Zoomed Video support lexis / color space conversion SRT / 135 degree tilt 768 with 65.536 colors (or 800x600 with 16.7 mil)  | ♦ Product Recovery CD-ROM (with boot diskette) WINDOWS NT PRELOAD¹6  |  |
| Memory - std / max<br>Memory - features<br>Memory - upgrade   |   | lt / EDO<br>144-pin EDO SO-DIMM of 16, 32, or 64MB  | - Windows NT® Workstation 4.0 - Service Pack 3 - ThinkPad Utilities  |  |
| Keyboard / # of keys<br>Keyboard slope<br>Pointing device<br>Palm rest  | Large palm rest / keybo<br>TrackPoint® / Press-to-S<br>Integrated palm rest / ext   | 85 keys (6 Fn key functions)<br>ard remains flat (no sloop) / opt P Replicator adds slope<br>elect / Release-to-Select / dragging / click pace<br>ernal keyboard support (with optional cable 54G0441)  | Online User's Guide     Puma IntelliSync 97 (infrared)     ConfigSafe     Norton AntiVirus (OEM Version)     Ergonomics  |  |
| Dimensions<br>Weight² with battery  | 90U: 4.1 lbs (1.88 kg)  | cubic inches); 297mm x 222mm x 31mm<br><i>B0U/B1U:</i> 4.2 lbs (1.92 kg)  | BM Product Registration SystemSoft CardWizard Customization CD-ROM (apps/driver: Product Recovery CD-ROM (with bod diskette)  Easy-Setup is entered by holding F1 when turning on. System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.  |  |
| Battery - type / life <sup>10</sup><br>Charge time - on / off   | Lithium Ion / intelligent / 3<br>2.5 to 3.5 hrs / 1.5 hrs   |   |  |  |
| Docking Station Port replicator PC Card Std slots Serial / parallel ports USB port  | PCI 2.1 / 32-bit / 33MHz<br>ISA (audio, diskette, seri<br>None<br>Port Replicator with Adva<br>2 Type I or 2 Type II or 1<br>PCMCIA 2.1 compatible  | el 82371EB <b>PIIX4E</b> (EIDE, ISA Bridge, USB) / (EIDE, graphics, PCMCIA, USB) / <b>TI PCI1250A</b> cal, parallel, infrared) / NS PC97338 (FDC, IR, I/O) nced EtherJet / ThinkPad 560 Port Replicator Type III / <b>CardBus 32-bit PCI</b> / Zoomed Video / Texas Instruments® TI1250A controller (IEEE P1284-A, EPP, ECP, bidirectional) |  |  |
| Other features  Video in/out MPEG decoder Data/fax modem Audio support  Jacks Infrared ports  | Universal AC Adapter; 3 APM-aware BIOS / APM None None (software support of 56Kbps <sup>23</sup> PC Card mod 16-bit audio chip / FM sy Internal mono speaker / Input jack (3.5 mm) / stel Infrared port (left side) | The optional ThinkPad 560 Port Replicator acts as a wedge which attaches to the back and bottom of the unit and provides a keyboard slope. Following are its connectors: - Release button - Security keyhole - Mouse  |  |  |
| Security  | . ,   | d disk password / security keyhole on left side /   | Keyboard<br>- External monitor<br>- Parallel   |  |
| Limited warranty <sup>11</sup><br>Service options <sup>15</sup>   | 1 year - carry-in or Think<br>On-site <sup>32</sup> , M-F, 8-5, next  | Pad EasyServ™³¹ (door-to-door depot repair service)<br>bus day (72 cities) / serv up to 5 yrs from purchase date  | - Serial (9 pin)<br>- External diskette drive<br>- Power jack  |  |
| EtherJet Feature. For a 10/100 ethernet (Interpretation of Dual IBM lock slots to PC Cards, and Port I Connectors: - USB, serial (RS-232 external display, key - Audio in and out (3.5) | el 82558, Wake on LAN™) to secure the ThinkPad, Replicator  , 9 pin), parallel (25 pin), board, mouse 5 mm) 15 pin) - not on system we connector  ard slots: ide by side) 5 compliant (PCI 2.1 / 32-bit)            | OPTIONS  - 6.4GB disk, 13ms, Ultra DMA/33   | FEATURES  Wired for Management 1.1a compliant DMI 2.0 compliant PC 97 compliant ACPI ready (APM enabled) Setup Guide, User's Guide, Windows 98 or NT Manual Plug and Play 1.0a Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant Personalized nameplate indention International Warranty Service <sup>14</sup> IBM SystemXtra <sup>®, 35</sup> 24 hour / 7 day telephone <sup>30</sup> , bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support |  |

| IBM® ThinkPad®  |  | WINDOWS 98 PRELOAD <sup>16</sup>   |
|---|--|--|
| Processor<br>Processor features<br>L2 cache<br>Diskette drive<br>CD-ROM<br>DVD-ROM  | Intel® Mobile Pentium® II 300PE, 333MHz, or 366MHz¹ / 66MHz system bus No upgrade / processor in Ball Grid Array (BGA) / North and South Bridge cores 256KB / onboard (full speed) / sync pipelined burst / write-back / ECC External 3.5" 1.44MB / use externally with std cable or in UltraBase Option: CD-ROM / 24X-10X⁵ speed / bootable / removable from UltraBase Option: DVD-ROM / bootable / removable from UltraBase  | Microsoft® Windows® 98     ThinkPad Utilities     ThinkPad Configuration Program     ThinkPad on the Net     IBM Update Connector     Online User's Guide  |
| Type - model<br>Processor<br>Display (diagonal)<br>Preload (see side)<br>Disk (removable)   | 3       2644-2AU PII 300PE 13.3" TFT Windows 98 4.0GB⁴ / 13/14ms       33MHz PII 333MHz 13.3" TFT Windows 98 4.0GB⁴ / 13/14ms       2644-3AU PII 366MHz 13.3" TFT Windows 98 6.4GB / 13/14ms       2644-3BU PII 366MHz 13.3" TFT Windows 98 6.4GB / 13/14ms  | Ergonomics     Intelliquest Registration     RingCentral     Puma Intellisync 97 (on CD)     IBM Global Network Dialer     Netscape Communicator   |
| Avail / withdr date  Memory (std / max)   | April 1999 / 2AU withdrawn Dec 99; 1AU, 1BU on Mar 2000; 3AU, 3BU on July 00  64MB std / 192MB max  SDRAM / non-parity / 66MHz / 3.3v / sockets accessed by removing screw on base One 144-pin socket / 64MB on planar / 1 socket available  | ConfigŚafe®     Norton AntiVirus™ (OEM Version)     PC-Doctor     Universal Management Agent (on CD)   |
| Display Display - features  | 12.1" (307.3mm) TFT color / Active Mat 13.3" (337.8mm) TFT color / Active Mat SVGA / 800x600 / 100 to 1 contrast ratio XGA / 1024x768 / 150 to 1 contrast ratio 16.7 million simultaneous colors / 30ms refresh rate / 150 degree tilt / 125 nits (AC), 70 nits (battery)  | Norton Mobile Essentials Lotus® SmartSuite® Millennium²0 Access ThinkPad Software Selections CD-ROM Access Selections CD-ROM   |
| •   | NeoMagic™ MagicMedia256AV™ (NM2200) / Accelerated Graphics Port 2.5MB / SGRAM (embedded) / 128-bit engine, 256-bit memory interface AGP 1X / no sideband signaling / motion compensation / DDC2B /   |  |
| Disk<br>Disk controller   | simultaneous LCD and CRT <sup>26</sup> / multiple-monitor support <sup>26</sup> for Windows 98  Left front / removable via coin screw or 2.5mm Allen wrench / SMART <sup>29</sup> / upgradeable Enhanced IDE / busmaster / PCI 2.1 / South Bridge / PIIX4E  DMA Mode 2, Ultra DMA/33, or PIO Mode 4 / supports 2nd disk in opt UltraBase   | Nervice Pack 4a     ThinkPad Utilities     ThinkPad Configuration Program     IBM Update Connector   |
| Keyboard / Fn keys<br>Keyboard slope<br>Pointing device   | Full size 85-key keyboard / 10 Fn key functions / integrated palm rest Flat keyboard (does not lift up) / optional Port Replicator adds slope <b>TrackPoint</b> ® / Press-to-Select / Release-to-Select / dragging / click pace / center click button for scrolling or magnifying glass / suspension top / spare caps  | Online User's Guide Ergonomics Intelliquest Registration RingCentral (on CD)   |
| Dimensions <sup>36</sup> Weight <sup>2</sup> Weight w/ UltraBase Case material  | 2AU: 11.8 x 9.4 x 1.0" Others: 11.8 x 9.4 x 1.1" (122 cubic inches) 2AU: 3.9 lbs (1.78 kg) with battery Others: 4.0 lbs (1.83 kg) with battery with CD-ROM and diskette drives: 2AU: 6.8 lbs (3.07 kg) Others: 6.9 lbs (3.12 kg) Top: carbon-fiber reinforced plastic; Bottom: glass-fiber reinforced plastic  | Puma Intellisync 97'(on CD)     IBM Global Network Dialer (on CD)     Netscape Communicator (on CD)     ConfigSafe     Norton AntiVirus (OEM Version)  |
|   | Lithium Ion / intelligent / remove from base / locked with latch 1xx: 3.3 hrs; 2xx: 3.5 hrs; 3xx: 3.0 hrs / supports 2nd battery in UltraBase 3 to 4 hrs / 2.5 to 3 hrs / no non-disruptive battery exchange   | <ul> <li>PC-Doctor</li> <li>Universal Management Agent (on CD)</li> <li>Access ThinkPad (on CD)</li> </ul>   |
| Architecture  Port replicator (ept)   | Intel 440BX AGPset / Intel 82371EB PIIX4E (EIDE, ISA Bridge, USB) / TI® PCI1450 for CardBus / AGP for graphics / ADM1021 digital thermometer / PCI 2.1 / 32-bit / 33MHz (EIDE, CardBus, modem, audio, USB, ext expansion) / PC97338 Super I/O / ISA (diskette, serial, parallel, infrared, ext expansion) / PC97338 CardBus of the following are supported by attachment to Ultra Page and the following are supported by attachment to Ultra Page and Incompared t | SystemSoft CardWizard (on CD)     Software Selections CD-ROM     Recovery CD-ROM (Windows NT)     Lotus SmartSuite Millennium <sup>20</sup> CD   |
| Other features  | UltraBase / the following are supported by attachment to UltraBase or Direct Dock Adapter: ThinkPad Port Repl with Advanced EtherJet and Port Replicator None (UltraBase has two bays) 2 Type I, 2 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / Zoomed Video IOne USB / one 9 pin serial; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) Ultraslim 56 watt AC Adapter, barrel, 3 prong / IBM BIOS Setup Utility (hit F1 at boot)   | optional DVD drive (hot or warm swap)  |
| Video (TV) out<br>MPEG-2/DVD<br>Data/fax modem<br>Audio support   | None Software supported DVD movie playback (via UltraBase and UltraslimBay DVD) 56K <sup>37</sup> / V.90 / 14.4K fax / RJ-11 port / voice-capable / integrated Lucent <sup>®</sup> 1646 / international programmable DAA / Mini PCI Type IIIb CS4280 / PCI / FM synthesis / 16-bit playback and record / CS4297 (AC97) /   | optional LS-120 SuperDisk drive (cold swap only)     optional Zip 100MB drive (cold swap)     optional HDD adapter; for second disk (cold swap only)   |
| Jacks (3.5mm)<br>Infrared ports   | full duplex / int speaker (bottom) / .5 watt / Fn+PgUp and PgDn (volume) / int mic Microphone jack (stereo) / headphone jack (stereo) / line-in jack (stereo) Infrared port (on right) / IrDA 1.1 compatible / up to 4Mbps   | <ul> <li>optional ThinkPad Proven™ solutions¹²</li> <li>UltraBase right bay supports:</li> <li>standard diskette drive (hot swap)</li> <li>battery (uses standard 570 battery)</li> </ul>  |
| Security  Limited warranty <sup>11</sup>  | Power-on password / hard disk password / supervisor passwrd / security keyhole / Phillips-head screw on base for memory / optional Allen screw for disk  3 year - carry-in or ThinkPad EasyServ <sup>TM31</sup> Rapid Depot Repair (3 business day   | Other features   |
| Service options <sup>15</sup>   | average turnaround) On-site <sup>32</sup> , M-F, 8-5, next bus day (72 cities) / serv up to 5 yrs from purchase date   | PC 98 and DMI 2.0 compliant  |
| - 32MB SO DIMM 3<br>- 64MB SO DIMM 3<br>- 128MB SO DIMM 5<br>Color depth LCD Resolution TFT 640x480 16M 800x600 16M 1024x768* 16M 1280x1024** 256 | 3.3v NP SDRAM       20L0241       - 6.4GB disk, 13ms, Ultra DMA/33       02K0518         3.3v NP SDRAM       01K1150       - 10.0GB disk, 12ms, Ultra DMA/33       36L9293         External Monitor       - 12.0GB disk, 12ms, ATA-66       05K9200         60Hz 70Hz 75Hz 85Hz       - 16M 16M       - 16M 16M       - 16M 16M         16M 16M 16M 16M 16M 16M 16M 16M       - 16M 16M 16M 16M       - 16M 16M 16M 16M         16M 16M 16M 16M 16M 16M 16M       - 16M 16M 16M 16M 16M 16M 16M       - 16M  | DMI instrumentation (thermal monitoring) ACPI ready (APM enabled) Wired for Management 1.1a compliant Wake on LAN® support²® Setup Guide, User's Reference, Quick Reference and Service Info Card, Options catalog, Windows manual           |
| ** Virtual screen m All models: - C: drive is FAT16   | ode on 12.1" IF1 screen ode on both 12.1" and 13.3"  - SuperDisk LS-120 (UltraslimBay) 20L1929 - 24X-10X5 CD-ROM (UltraslimBay) 05K9122 - 2X5 DVD Drive (UltraslimBay) 05K8890 - 6X-2X5 DVD Drive (UltraslimBay) 05K9169 - Zip 100MB Drive 570/600(UltraslimBay) 37L1507   | Personalized Web-based support<br>International Warranty Service <sup>14</sup><br>IBM SystemXtra <sup>®,35</sup><br>24 hour / 7 day <sup>30</sup> telephone, bulletin<br>board, fax, electronic, and Internet<br>(www.ibm.com/pc/us) support |

| IBM® ThinkPad®   |  |  |  |  | WINDOWS 98 PRELOAD <sup>16</sup>   |  |  |  |
|--|--|--|--|--|--|--|--|--|
| Processor<br>Processor features<br>L2 cache<br>Diskette drive<br>CD-ROM<br>DVD-ROM                 | Intel® Mobile Pentiu<br>No upgrade / proces<br>256KB / onboard (at<br>External 3.5" 1.44MB<br>Option: CD-ROM / 2<br>Option: 6X-2X <sup>5</sup> DVD   | sor in Ball Grid Arra<br>processor speed)<br>/ use externally with<br>24X-10X <sup>5</sup> speed / bo<br>-ROM / bootable / p   | <ul> <li>Microsoft® Windows® 98 Second Ed</li> <li>ThinkPad Utilities</li> <li>ThinkPad Configuration Program</li> <li>IBM Update Connector</li> <li>Online User's Guide</li> <li>IBM Registration</li> </ul>  |  |  |  |  |  |
| Type - model<br>Processor<br>Preload (see side)<br>Disk (removable)                                | ≈ 2644-5AU<br>Pentium III 450<br>Windows 98 SE<br>6.0GB⁴<br>All disks: 12ms read /<br>February 2000 / 5AU  |  |  |  | RingCentral Fax     ConfigSafe®     Norton AntiVirus™ (OEM Version)     PC-Doctor     Universal Mgmt Services (web)     Norton Mobile Essentials   |  |  |  |
| Memory (std / max)   | 64MB std / 320MB m<br>SDRAM / non-parity /<br>One 144-pin socket /   | nax<br>/ 100MHz / 3.3v / so  | ckets accessed by re   | -  | Symantec Mobile Essentials     Access ThinkPad     Software Selections CD-ROM  |  |  |  |
| Display Display - features   | 13.3" (337.8mm) TFT<br>XGA / 1024x768 / 15<br>16.7 million simultane<br>125 nits (AC), 70 nits   | color / Active Matr<br>0 to 1 contrast ratio<br>eous colors / 30ms r   | rix  | gree tilt /  | ♦ Lotus® SmartSuite® Millennium CD<br>♦ Recovery CD-ROM (Windows 98)<br>♦ Recovery CD-ROM (Windows 95) <sup>40</sup>   |  |  |  |
| •  | NeoMagic™ MagicN<br>2.5MB / SGRAM (em<br>AGP 1X / no sideban<br>simultaneous LCD ar  | Media256AV™ (NM2<br>bedded) / 128-bit e<br>d signaling / motior  | ngine, 256-bit memo  | ry interface<br>DC2B /   | WINDOWS 2000 PRELOAD <sup>16</sup> Windows 2000® Professional     ThinkPad Utilities     Online User's Guide   |  |  |  |
| Disk<br>Disk controller  | Left front / removable<br>Enhanced IDE / busn<br>DMA Mode 2, Ultra D   | via coin screw or 2.5<br>naster / PCI 2.1 / Sc   | 5mm Allen wrench / South Bridge / PIIX4M   | MART <sup>29</sup> / upgradeable<br>/  | PC-Doctor     RingCentral Fax  |  |  |  |
| Keyboard / Fn keys<br>Keyboard slope<br>Pointing device  | Full size 85-key keyb<br>Flat keyboard (does in<br>TrackPoint® / Press-<br>center click button for   | not lift up) / optional<br>to-Select / Release-  | Port Replicator adds to-Select / dragging  | s slope<br>/ click pace /  | Netscape Communicator     Universal Mgmt Services (web)     ConfigSafe     IBM Update Connector     Netscape Communicator  |  |  |  |
| Dimensions <sup>36</sup> Weight <sup>2</sup> Weight Case material                                  | 11.8 x 9.4 x 1.1" (122<br>3.97 lbs (1.80 kg) wit<br>with optional UltraBas<br><i>Top:</i> carbon-fiber reir  | h battery<br>se CD-ROM and dis   |  |  | Norton AntiVirus (OEM version) Software Selections CD-ROM Lotus SmartSuite Millennium CD Recovery CD-ROM (Windows 2000)  |  |  |  |
| Battery - type<br>Battery - life <sup>10</sup><br>Charge time - on/off                             | Lithium Ion / intelliger<br>3.0 hrs / supports 2nd<br>3 to 4 hrs / 2.5 to 3 hr   | nt / remove from bas<br>d battery in UltraBas<br>rs / no non-disruptive  | se / locked with latch<br>e<br>e battery exchange  | ·  | - \$Recovery CD-ROM (Windows NT) <sup>40</sup>   |  |  |  |
|  | Intel 440BX AGPset<br>TI® PCI1450 for Carc<br>PCI 2.1 / 32-bit / 33N<br>PC97338 Super I/O /<br>UltraBase / the follow<br>Adapter: ThinkPad Pc<br>None (UltraBase has<br>2 Type I, 2 Type II, or<br>One USB / one 9 pin s | dBus / AGP for grap<br>MHz (EIDE, CardBu:<br>/ ISA (diskette, seria<br>/ Isa are supported b<br>ort Repl with Advance<br>s two bays)<br>r 1 Type III / CardBu<br>serial; 16550A / one  | ULTRABASE OPTION  Left bay of UltraBase supports most UltraslimBay options: • optional CD-ROM (hot or warm swap) • optional DVD drive (hot or warm swap) • optional LS-120 SuperDisk drive (cold   |  |  |  |  |  |
| Other features Video (TV) out MPEG-2/DVD Data/fax modem Audio support Jacks (3.5mm) Infrared ports | None Software supported E 56K <sup>22</sup> / V.90 / 14.4K f international program CS4280 / PCI / FM sy full duplex / int speak Microphone jack (ster Infrared port (on right  | DVD movie playback<br>fax / RJ-11 port / vo<br>imable DAA / Mini P<br>inthesis / 16-bit playl<br>er (bottom) / .5 watt<br>eo) / headphone jac  | swap only) • optional Zip 100MB drive (cold swap) • optional HDD adapter; for second disk (cold swap only) • optional ThinkPad Proven™ solutions UltraBase right bay supports: • standard diskette drive (hot swap) • battery (uses standard 570 battery) Other features |  |  |  |  |  |
| Security   | Power-on password /<br>Phillips-head screw of  | on base for memory   | / optional Allen scre  | w for disk   | stereo speakers (0.5 watts)     security keyhole, UltraBase lock   |  |  |  |
| Limited warranty <sup>11</sup> Service options <sup>15</sup>                                       | <b>3 year</b> - carry-in or T average turnaround) On-site <sup>32</sup> , M-F, 8-5, n  | •  |  | · ·  | MIDI/joystick port, line out, USB port     PC 98 and DMI 2.0 compliant   |  |  |  |
| 1  | s, ATA-66 05K Base only) 37L  External Monitor  60Hz 70Hz 75Hz 85 16M 16M 16 16M 16M 16 16M 16M 16M 16 256   | 9200   - 64MB SC   2993   - 128MB SC   - 256MB SC   - 128MB SC   - 256MB SC   - 2 | d 570 UltraBase ock Adapter (from Collicator licator w/ Advanced 56 watt AC Adapter Bay HDD adapter (fo k LS-120 (Ultraslime 5 CD-ROM (Ultraslime DVD Drive (Ultraslime  | SDRAM 20L0254<br>P SDRAM 20L0255<br>P SDRAM 33L3069<br>05K5840<br>00N4650<br>46H4209<br>EtherJet 05K4872<br>(3 prong) 02K6545<br>r 2nd disk) 05K5336<br>Bay) 05K9122<br>05K9169<br>raslimBay) 37L1507<br>02K6546 | DMI instrumentation ACPI ready (APM enabled) Wired for Management 1.1a compliant Wake on LAN® support28 Setup Guide, User's Reference, Quick Reference and Service Info Card, Options catalog, Windows manual Plug and Play 1.0a Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant Personalized Web-based support International Warranty Service14 IBM SystemXtra®.35 24 hour / 7 day30 telephone, bulletin board, fax, electronic, and Internet |  |  |  |

| IBM® ThinkPad®  |  |  |   |   | The right bay (UltraslimBay) has LED on   |  |
|---|--|--|---|---|---|--|
| Processor type/path<br>Processor features<br>L2 cache<br>Diskette (removable)<br>External FDD port<br>CD-ROM (removble)<br>DVD¹9 (removable)  | Intel® Pentium® MMX™ 2:<br>No upgrade / processor, L<br>512KB / sync pipelined bu<br>3.5" 1.44MB / use in Ultraslim<br>External diskette port on ri<br>Standard or option: 5.25"<br>EIDE (ATAPI) / PIO Mode<br>Option: 2X⁵ DVD-ROM dri<br>Option: Removable Ultras   | 2 cache, and mem cntr<br>rst (66MHz for Pentiur<br>Bay (CD-ROM models ir<br>ght side (can use simu<br>CD-ROM / 24X-10X <sup>5</sup> s<br>4 for W95; DMA Mode<br>ve / removable Ultraslir | lobile Module<br>ed for Pent II)<br>e enclosure)<br>nal CD-ROM)<br>arm swap<br>raslimBay<br>swap  | release latch to provide status; supports warm swapping: • std diskette and travel cover • std or optional CD-ROM • optional DVD drive¹9 • opt LS-120 SuperDisk drive (cold swap) • optional Zip 100MB drive (cold swap) • optional HDD adapter (cold swap) • optional ThinkPad Proven™ solutions¹² |   |  |
| Type - model<br>Processor<br>Display (diagonal)<br>Disk (removable)<br>Preload (see side)<br>CD-ROM<br>Modem<br>Avail / withdr date   | ≥ 2645-21U Pent 233/66 Pent 233/61 3.0" HPA XGA 12.1 TFT 3.2GB⁴/PIO4 W95 OSR2.1 CD-ROM std 56Kbps Optional Opt PC C Apr 98/Dec 98 Apr 98/Dec 98  | 666 PII 233/66MHz<br>SVGA 12.1 TFT SVGA<br>104 3.2GB / PIO4<br>W95 OSR2.1<br>CD-ROM std<br>56Kbps  | 3.2GB / PIO4 4.0<br>W95 OSR2.1 W9<br>CD-ROM std CD  | 266/66MHz<br>3"TFT XGA<br>IGB / PIO4<br>95 OSR2.1<br>0-ROM std<br>Kbps  | ≈ 2645-A1U PII 266/66MHz 13.3"TFT XGA None (AAP) Blank (no disk) None (AAP) - C: drive is FAT16 of 2GB Apr 98/Aug 98 - D: drive is FAT32 of remaining space           |  |
| Memory - std / max<br>Memory - upgrade  | 32MB / 256MB³ (TX max=<br>SDRAM / non-parity / 66M<br>SDRAM SO-DIMMs / sock  | Hz / 3.3v / 2 sockets a  | vailable for two JEDI   |   | WINDOWS 95 PRELOAD <sup>16</sup> - Microsoft® Windows® 95 OSR2.1 • Internet Explorer 4.01   |  |
| Display   | (See below) SVGA or XGA  | color / TFT or HPA / 1   | 80 degree tilt  |   | Online User's Guide   |  |
| Graphics - arch<br>Graphics - features<br>Graphics - external   | NeoMagic™ MagicGraph<br>2MB / iDRAM™ (embedde<br>Support for DirectX 5.0, DI<br>External SVGA to 1024x76   | d) / Zoomèd Video súp<br>DC2B, color space con<br>8 with 65,536 colors (8  | port<br>version<br>00x600 with 16.7 mill  | lion colors)  | ThinkPad Configuration Program ThinkPad Customization Center Puma IntelliSync 97 (infrared) IBM AntiVirus 3.02 (not installed) ConfigSafe 1.05 (must install)         |  |
| Disk<br>Disk controller   | Left front / removable via content of the content o | / PCI 2.1 / South Bridg  | e / PIIX4   | . 0   | IBM Global Network Dialer 4.15.6 with<br>Netscape Navigator web browser     Intel LANDesk® Client Manager 3.1   |  |
| Keyboard / Fn keys<br>Keyboard slope<br>Pointing device   | Full size alp/num keys / 9 F<br>Flat keyboard (does not lift<br><b>TrackPoint</b> ® / Press-to-Se<br>center click button for scro  | up)<br>lect / Release-to-Selec   | t / dragging / click pag  | ce /<br>spare caps  | (not installed)     PointCast with ThinkPad channel     Ergonomics     Netfinity 5.1 for Windows 95 (not installed)     Tivoli Light Client Framework (not installed) |  |
| Dimensions <sup>36</sup><br>Weight <sup>2</sup>   | Approximately 11.8 x 9.4 x 4.72 lb (2.14 kg) to 5.62 lb  |  | ; 300mm x 240mm x   | 36.5mm  |   |  |
| Battery - type<br>Battery - life <sup>10</sup><br>Charge time - on / off  | Lithium Ion / intelligent / rei<br>3.0 hrs / no non-disruptive to<br>2 to 3 hrs / 1.5 to 2.5 hrs   |  | d with latch  |   | Lotus® SmartSuite 97 <sup>20</sup> Ring Zero RingCentral 4.10 Intel Video Phone 2.0.1   |  |
| Architecture  Port replicator   | Intel 430TX, PIIX4 for Per<br>PCI 2.1 / 32-bit / 33MHz (E<br>TI PCI1250A for CardBus<br>ISA (audio, modem, disket<br>SelectaBase 600 / PC Ca   | EIDE, graphics, CardBo<br>LM75 digital thermom<br>te, serial, parallel, infra  | ion)<br>er I/O /  | IBM Update Connector     IBM Product Registration     Customization CD-ROM (apps/drivers)     Recovery CD-ROM with boot diskette  |   |  |
| Docking Station<br>PC Card Std slots  | SelectaDock III / Selectal<br>2 Type I, 2 Type II, or 1 Typ<br>One USB / one 9 pin serial<br>APM-aware BIOS / AC Ada   | Dock I and II<br>be III / CardBus 32-bit /<br>16550A / one (IEEE P   | PCMCIA 2.1 / Zoomo<br>1284-A, EPP, ECP, b   | ed Video<br>oidirectional)  | System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.                                  |  |
| Video in/out<br>MPEG decoder<br>Data/fax modem  | None<br>None (software support fo<br>Some models: 56Kbps (x2   |  |   | nice-capable /  | ThinkPad 600 supported disks: - 3.2GB 13ms read/14ms write  |  |
| Audio support  Jacks  |  | 3780i DSP / internationa<br>audio / FM synthesis<br>.5 watt / Fn+PgUp and  | Í programmable DAA /<br>I PgDn (volume) / int   | modem cable   | 9.5 mm PIO Mode 4 or Ultra DMA/33<br>- 4.0GB 13ms read/14ms write<br>12.5 mm PIO Mode 4 or Ultra DMA/33<br>- 6.4GB 13ms read/14ms write                               |  |
| Infrared ports Security   | Infrared port (on right) / IrD Power-on password / hard  | Á 1.1 compatible / <b>up t</b> o   | o 4Mbps   | rity koybolo /  | 12.5 mm PIO Mode 4 or Ultra DMA/33  |  |
| Limited warranty <sup>11</sup>  | personalization / phillips-he <b>3 year</b> - carry-in or ThinkPa  | ead screw on base for r  | nemory / opt Allen sc   | rew for disk  | FEATURES PC 97 compliant  |  |
| Service options <sup>15</sup>   | average turnaround) On-site <sup>32</sup> , M-F, 8-5, next bu  |  | , , ,   | •   | DMI 2.0 compliant DMI instrumentation (thermal monitoring) ACPI 1.0 compliant   |  |
| - HIgh Performance Addressing (Dual Scan) - 640x480 (16 million), 800x600 (16 million), or 1024x768 (65,536 simultaneous colors) - 150ms; 40 to 1 contrast ratio - 70 nits (AC), 40 nits (battery)  12.1" (307.5 mm) TFT SVGA color - Active Matrix TFT - 640x480 (16 million) or 800x600 (16 million simultaneous colors) - 75ms; 100 to 1 contrast ratio - 110 nits (AC), 70 nits (battery)  13.3" (337.8 mm) TFT XGA color - Active Matrix TFT - 640x480 (16 million), or 1024x768 (65,536 simultaneous colors) - 110 nits (AC), 70 nits (battery)  13.3" (337.8 mm) TFT XGA color - Active Matrix TFT - 640x480 (16 million), or 1024x768 (65,536 simultaneous colors) - 75ms; 100 to 1 contrast ratio - 101 mits (AC), 70 nits (battery)  13.3" (337.8 mm) TFT XGA color - Active Matrix TFT - 640x480 (16 million), 800x600 (16 million), or 1024x768 (65,536 simultaneous colors) - 75ms; 100 to 1 contrast ratio - 24x-10x CD-ROM (UltraslimBay; includes external diskette enclosure) - 16MB SO DIMM 3.3v NP SDRAM - 76H0293 - 75ms; 100 to 1 contrast ratio - 101 milion simply HDD adapter (for 2nd disk) - 50 mits (AC), 90 nits (battery) - 24x-10x CD-ROM (UltraslimBay) - 1024x768 (65,536 simultaneous colors) - 24x-10x CD-ROM (UltraslimBay) - 1024x768 (65,536 simultaneous colors) - 24x-10x CD-ROM (UltraslimBay) - 1024x768 (65,536 simultaneous colors) - 1024x768 (65,536 simultaneous colors) - 24x-10x CD-ROM (UltraslimBay) - 100 milion simultaneous colors) - 100 milion simultaneous colors - 24x-10x CD-ROM (UltraslimBay) - 100 milion simultaneous colors) - 100 milion simultaneous colors - 24x-10x CD-ROM (UltraslimBay) - 100 milion simultaneous colors) - 100 milion simultaneous colors - 24x-10x CD-ROM (UltraslimBay) - 100 milion simultaneous colors - 24x-10x CD-ROM (UltraslimBay) - 24x-10x CD-ROM (UltraslimB |  |  | Wired for Management 1.1a Wake on LAN™ support²³ C: is 1.99GB, D: is up to 1.99GB, etc. Setup Guide, User's Reference, Quick Reference and Service Information Card, Options by IBM Catalog, Windows 95 manual Plug and Play 1.0a Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant International Warranty Service¹⁴ IBM SystemXtra™³⁵ 24 hour / 7 day telephone³₀, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support |   |   |  |

| IBM® ThinkPad®   |   |  |   |  |  |
|--|---|--|---|--|--|
| Processor type/path<br>Processor features<br>L2 cache<br>Diskette (removable)<br>External FDD port   | 512KB / sync pipelined burst / B<br>3.5" 1.44MB / use in UltraslimBa<br>External diskette port on right si<br>5.25" CD-ROM / 24X-10X <sup>5</sup> spe   | he, and mem cntr (North Bridge) on Mobile<br>ECC / 150MHz (half speed)<br>y / ships in external diskette enclosure with a<br>ide (can use simultaneously with internal Cl  | cable<br>D-ROM)   | WINDOWS 98 PRELOAD <sup>16</sup> - Microsoft® Windows® 98  - Online User's Guide  - ThinkPad Utilities  - ThinkPad Configuration Program  - RingCentral  |  |
| DVD <sup>19</sup> (removable)<br>SuperDisk (LS-120)  | Option: 2X5 DVD-ROM drive / re  | emovable UltraslimBay option / warm swap<br>ay option / supports 1.44MB and 120MB disk   | ,   | <ul><li>Ergonomics</li><li>IBM Product Registration</li><li>Puma IntelliSync 97 (infrared)</li></ul>   |  |
| Type - model<br>Preload (see side)<br>Disk (removable)<br>Avail / withdr date  |   | -85U All models: - C: drive is FAT16 of 2GB te) / upgradeable - D: drive is FAT32 (if W98 FAT16 (if NT) of remainin  | 8) or   | <ul> <li>IBM Global Network Dialer</li> <li>Netscape Navigator web browser</li> <li>IBM Update Connector</li> <li>Artisoft ConfigSafe</li> </ul>   |  |
| Memory   | Two 144-pin sockets / 32MB on   | / SDRAM / non-parity / 66MHz / 3.3v<br>planar and 1 socket used by 32MB SO-DII<br>sessed by removing screw on bottom   | MM /  | <ul> <li>Norton AntiVirus</li> <li>Lotus® SmartSuite Millennium CD-ROM</li> <li>Customization Center CD-ROM</li> </ul>   |  |
| Display  |   | tive Matrix / XGA / 75ms / 100 to 1 contrast ion colors), 1024x768 (65,536 colors) /<br>180 degree tilt  | ratio/  | <ul> <li>Product Recovery CD-ROM (with boot<br/>diskette)</li> </ul>   |  |
| Graphics - controller<br>Graphics - arch<br>Graphics - features<br>Graphics - external   | <b>2MB</b> / iDRAM™ (embedded) / Z<br>Support for DirectX 5.0, DDC2B  |  |   | • WINDOWS NT PRELOAD <sup>16</sup> - Windows NT® Workstation 4.0  • Online User's Guide  • ThinkPad Utilities  |  |
| Disk<br>Disk controller  | Enhanced IDE / busmaster / PC   | erew or 2.5mm Allen wrench / SMART / upgra<br>I 2.1 / South Bridge / PIIX4<br>PIO Mode 4 / supports 2nd disk inopt HDD a   |   | <ul><li>ThinkPad Configuration Program</li><li>Puma IntelliSync 97 (infrared)</li><li>ConfigSafe</li></ul>   |  |
| Keyboard / Fn keys<br>Keyboard slope<br>Pointing device  | TrackPoint®/Press-to-Select/  | r functions / integrated palm rest<br>optional Port Replicator adds slope<br>/ Release-to-Select / dragging / click pace /<br>or magnifying glass / suspension top / spare |   | IBM Global Network Dialer     Netscape Navigator web browser     Norton AntiVirus (OEM Version)     Ergonomics     IBM Product Registration  |  |
| Dimensions <sup>36</sup><br>Weight <sup>2</sup>  | Appoximately 11.8 x 9.4 x 1.4" (5.01 lbs (2.27 kg) with travel cov  | 155 cubic inches); 300mm x 240mm x 36.5m<br>rer and battery only   | nm  | IBM Product Registration     SystemSoft CardWizard     Lotus SmartSuite Millennium CD-ROM  |  |
| Battery - type<br>Battery - life <sup>10</sup><br>Charge time - on / of  | Lithium Ion / intelligent / remove<br>3.0 hrs / no non-disruptive batter<br>f 2 to 3 hrs / 1.5 to 2.5 hrs   |  | Customization CD-ROM (apps/drivers     Product Recovery CD-ROM (with bood diskette)  System does not have non-disruptive battery exchange. Battery can be changed while system is off, in |  |  |
|  |   | therJet <sup>17</sup>  |   |  |  |
| Other features Video in/out MPEG decoder Data/fax modem Audio support Jacks Infrared ports Security  | None None (software support for MPEG-1 in Windows 98) 56K (x2, upgradeable to v.90°) / 14.4Kbps fax / telephony / voice-capable integrated Mwave® 3780i DSP / international programmable DAA / modem cable CS4237B / 16-bit / SRS 3D audio / FM synthesis Int stereo speakers (front) / .5 watt / Fn+PgUp and PgDn (volume) / int microphone Input jack (3.5 mm) / Output jack (3.5 mm) / full duplex Infrared port (on right) / IrDA 1.1 compatible / up to 4Mbps  Power-on password / hard disk password / supervisor password / security keyhole / |  |   | hibernation, or under AC power.  ThinkPad 600 supported disks:  -3.2GB 9.5 mm 9.5 mm 9.6 Mode 4 or Ultra DMA/33  -4.0GB 12.5 mm 12ms read/14ms write PIO Mode 4 or Ultra DMA/33  -5.1GB 12ms read/13ms write 12.5 mm 13ms read/14ms write 12.5 mm PIO Mode 4 or Ultra DMA/33  -6.4GB 13ms read/14ms write 12.5 mm PIO Mode 4 or Ultra DMA/33   |  |
| Limited warranty <sup>11</sup>   | 3 year - carry-in or ThinkPad Ea  | crew on base for memory / opt Allen screw for<br>syServ <sup>™31</sup> Rapid Depot Repair (3 business o  |   | FEATURES   |  |
| Service options <sup>15</sup>  | average turnaround) On-site <sup>32</sup> , M-F, 8-5, next bus day purchase date  | / (72 cities) / service agreements up to 5 year  | ars from  | Wired for Management 1.1a PC 97 compliant DMI 2.0 compliant  |  |
| - 56K PC Card Modem Kit 04K0052 - 56K PC Card Modem/Cellular capab 02K4196 - V.90 PC Card Modem with XJACK <sup>24</sup> 10L7393 - EtherJet PC Card Combo 72H4534 - IBM 10/100 EtherJet CardBus PC Cd 08L3147 - UltraslimBay HDD adapter (for 2nd disk) 05K5336 - SuperDisk LS-120 (UltraslimBay) 20L1929 - 2X DVD Drive (UltraslimBay) 05K8890  The right bay (UltraslimBay) has LED on release latch to provide status; supports warm swapping:  • std diskette and weight-saver bezel • std or optional CD-ROM • optional DVD drive <sup>19</sup> - optional Zix 400MB disits (acld awas)  - 6.4GB disk, 13ms, Ultra DMA/33 36L9293 - 10GB disk, 12ms, Ultra DMA/33 36L9293 - PC Card Enabler vith EtherJet <sup>TM17</sup> - PC Card Enabler with EtherJet <sup>TM17</sup> - PC Card Enabler with EtherJet <sup>TM17</sup> - SelectaDock II - SelectaDock III - SelectaDock III - S6 watt AC Adapter (barrel; 3 prong) - 24X-10X CD-ROM (UltraslimBay; 12J2471 includes external diskette enclosure) - 16MB SO DIMM 3.3v NP SDRAM - 32MB SO DIMM 3.3v NP SDRAM - 76H0295 - 64GB disk, 13ms, Ultra DMA/33 - 36L9293 - PC Card Enabler vith EtherJet <sup>TM17</sup> - SelectaDock II - SelectaDock III - S6 watt AC Adapter (barrel; 3 prong) - 12J2467 - SelectaDock III - S6 watt AC Adapter (barrel; 3 prong) - 24X-10X CD-ROM (UltraslimBay; 12J2471 - 16MB SO DIMM 3.3v NP SDRAM - 32MB SO DIMM 3.3v NP SDRAM - 64MB SO DIMM 3.3v NP SDRAM |   |  | 2J2467<br>33H6741<br>35K4820<br>3547001<br>3547002<br>3547003<br>33H6739<br>2J2471<br>26H0293<br>26H0294<br>26H0295<br>20L0241<br>31K1150<br>2J2464<br>37L1504                            | DMI instrumentation (thermal monitoring) ACPI ready (APM enabled) Wake on LAN® support <sup>28</sup> C: is 1.99GB, D: is up to 1.99GB, etc. Setup Guide, User's Reference, Quick Reference and Service Information Card, Options by IBM Catalog, Windows 98 or NT manual Plug and Play 1.0a Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant International Warranty Service <sup>14</sup> |  |

| IBM® ThinkPad®   |  |   |  |   |  |  |  |  |
|--|--|---|--|---|--|--|--|--|
| External FDD port  | No upgrade / processor, L2<br>512KB / sync pipelined bu<br>3.5" 1.44MB / use in Ultrasii<br>External diskette port on ric<br>Option: CD-ROM / 24X-10<br>EIDE (ATAPI) / PIO Mode<br>Std or option: 2X <sup>5</sup> DVD-RO   | 300MHz¹/66MHz system b<br>2 cache, and mem cntr (Nort<br>rst / ECC / 150MHz (half spee<br>mBay™ / ships in external dis<br>ght side (can use simultaned<br>)X⁵ speed / bootable / warm<br>4 for W95; DMA Mode 2 for<br>DM / removable from Ultrasli<br>imBay option / supports 1.44 | n a cable<br>DVD)<br>imBay                                     | • Mindows 98 PRELOAD <sup>16</sup> • Microsoft® Windows® 98 • ThinkPad Utilities • Online User's Guide • ThinkPad Configuration Program • Ergonomics • IBM Registration • RingCentral Fax |  |  |  |  |
| Type - model Preload (see side) Disk (removable) DVD-ROM drive Avail / withdr date   | 2645-55U<br>Windows 98<br>6.4GB <sup>4</sup> /13/14ms<br>DVD-ROM<br>Nov 1998 / Mar 1999  | 2645-A5U (AAP) All m<br>Blank (no disk) - C:<br>None - D:   | nodels:<br>drive is FAT16 of 20<br>drive is FAT32 of re<br>ace | GB<br>emaining  | Puma IntelliSync 97 (infrared)     IBM Global Network Dialer     Netscape Navigator web browser     ThinkPad on the Net (TCC CD)     ConfigSafe     Norton AntiVirus (OEM Version)   |  |  |  |
| Memory   | Two 144-pin sockets / 32N  | <b>32MB</b> std / 288MB max<br>Hz / 3.3v / sockets accessed<br>B on planar / 1 or 2 sockets<br>et used by 32MB SO-DIMM  | s available /  |   | <ul> <li>Mediamatics DVD Express</li> <li>IBM Update Connector</li> <li>Lotus SmartSuite Millennium CD-ROM</li> <li>Customization Center CD-ROM</li> </ul>   |  |  |  |
| Display  |  | r / Active Matrix / XGA / 75ms<br>4x768 (up to 16.7 million colo<br>ery) / 180 degree tilt  |  | t ratio/  | ♦ Recovery CD-ROM (with boot diskette)   |  |  |  |
| Graphics - controller Graphics - features  | 2.5MB/SGRAM (embedd  | 256AV™ (NM2200) / Accelered) / 128-bit engine, 256-bit olor space conversion / inter  | memory interface /   | AGP-1x  |  |  |  |  |
| Graphics - external Disk   | Multiple-monitor support <sup>26</sup> f<br>External SVGA to 1024x76   | or Windows 98 / DDC2B / Dii<br>8x16.7 million colors at 85Hz<br>bin screw or 2.5mm Allen wre  | rect3D<br>z and 1280x1024x2                                    | 56 colors   | The right bay (UltraslimBay) has LED on release latch to provide status; supports  |  |  |  |
| Disk controller  | Enhanced IDE / busmaster DMA Mode 2, Ultra DMA/3   | / PCI 2.1 / South Bridge / PII<br>3, or PIO Mode 4 / supports 2   | IX4E<br>2nd disk in opt HDD                                    | adapter   | warm swapping:  • std diskette and travel cover  |  |  |  |
| Keyboard / Fn keys<br>Keyboard slope<br>Pointing device  | Flat keyboard (does not lift<br>TrackPoint® / Press-to-Se  | Fn key functions / integrated<br>up) / optional Port Replicator<br>ect / Release-to-Select / drao<br>ling or magnifying glass / sus   | r adds slope<br>gging / click pace /                           |   |  |  |  |  |
| Dimensions36<br>Weight <sup>2</sup>  | Approximately 11.8 x 9.4 x 4.99 lbs (2.27 kg) with trave   | 1.4" (155 cubic inches); 300rel cover and battery only  | 5mm  | swap only)  • optional Zip 100MB drive (cold swap)  |  |  |  |  |
| Battery - type<br>Battery - life <sup>10</sup><br>Charge time - on / of  | Lithium Ion / intelligent / ren  | nove from base / locked with<br>pattery exchange / supports 2   | imBav  | optional HDD adapter; for second disk<br>(cold swap only)     optional ThinkPad Proven™<br>solutions¹²  |  |  |  |  |
| Port replicator Docking Station PC Card Std slots USB / serial / paralle Other features  | Intel 440BX AGPset / Intel 82371EB PIIX4E (EIDE, ISA Bridge, USB) / TI® PCI1251 for CardBus / AGP for graphics / LM75 digital thermometer PCI 2.1 / 32-bit / 33MHz (EIDE, CardBus, audio, USB, ext expansion) PC97338 Super I/O / ISA (audio, modem, diskette, serial, parallel, infrared, ext exp) SelectaBase 600 / PC Card Enabler 17 / PC Card Enabler with Advanced EtherJet SelectaDock III / SelectaDock I and II 2 Type I, 2 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / Zoomed Video of One USB / one 9 pin serial; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) |   |  |   | System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.  ThinkPad 600 supported disks:  -3.2GB 13ms read/14ms write 9.5 mm PIO Mode 4 or Ultra DMA/33   |  |  |  |
| Video out<br>MPEG decoder<br>Data/fax modem  | None (W98 support for MPEG-2 because 300MHz with motion compensation) 56K / v.90 <sup>22</sup> / 14.4Kbps fax / telephony / voice-capable / integrated Mwave® 3780i DSP / international programmable DAA / modem cable   |   |  |   | -4.0GB   |  |  |  |
| Audio support  Jacks   | CS4610: PCI / decodes AC   | dio / FM synthesis / 16-bit pla<br>3 into stereo / MPEG-2 audio<br>.5 watt / Fn+PgUp and PgDr   | decoding / accel of  | Directx   | - 6.4GB 13ms read/14ms write<br>12.5 mm PIO Mode 4 or Ultra DMA/33   |  |  |  |
| Infrared ports Security  | Infrared port (on right) / IrD   | 4 1.1 compatible / up to 4Mbp<br>disk password / supervisor p   |  |   | FEATURES PC 97 compliant   |  |  |  |
| Limited warranty <sup>11</sup>   |  | ead screw on base for memor<br>ad EasyServ™³¹ Rapid Depot   | , .  | nor disk  | DMI 2.0 compliant DMI instrumentation (thermal monitoring)   |  |  |  |
| Service options <sup>15</sup>  | average turnaround<br>On-site <sup>32</sup> , M-F, 8-5, next bu  | s day (72 cities) / serv up to  | 5 yrs from purchase  | e date  | ACPI ready (APM enabled)<br>Wired for Management 1.1a<br>Wake on LAN™ support <sup>28</sup>  |  |  |  |
| - V.90 PC Card Mo - 10/100 EtherJet C<br>modem - IBM 10/100 Ether - UltraslimBay HDD - SuperDisk LS-120 - 2X DVD Drive (UltraslimBay Batter) - Zip 100MB UltraslimBay Batter - ThinkPad 600 Li-le - External Battery C | lem/Cellular capab dem with XJACK <sup>24</sup> dem with XJACK <sup>24</sup> 10L7: cardBus with 56K  08L3: Jet CardBus PC Cd adapter (for 2nd disk) 05K5 (UltraslimBay) raslimBay) 05K8 ery (600E only) 02K6 on Battery harger  02K6   | - PC Card Enabler <sup>17</sup> - PC Card Enabler with - SelectaDock II - SelectaDock III - SelectaDock III - SelectaDock III - SelectaDock III - Sewatt AC Adapter (b - 24X-10X CD-ROM (U - includes external di - 32MB SO DIMM 3.3 v  | ra DMA/33 3 1 8 8 8 9 1 1 9 1 9 1 9 1 9 1 9 1 9 1 9            | 36L9293<br>12J2467<br>33H6741<br>05K4820<br>8547001<br>8547002<br>8547003<br>33H6739  | Setup Guide, User's Reference, Quick<br>Reference and Service Information<br>Card, Options by IBM Catalog,<br>Windows 98 manual<br>Plug and Play 1.0a<br>Standby, suspend, safe suspend, and<br>hibernation modes<br>ENERGY STAR compliant<br>International Warranty Service¹⁴<br>IBM SystemXtra™³5<br>24 hour /7 day telephone³0, bulletin<br>board, fax, electronic, and Internet<br>(www.ibm.com/pc/us) support |  |  |  |
|  | us/thinkpad/proven)  |   |  |   | ios are expressed ar implied in this summar  |  |  |  |

| IBM® ThinkPad®  |   |  |   |   |   |   |  |  |  |
|---|---|--|---|---|---|---|--|--|--|
| Processor<br>Processor features<br>L2 cache<br>Diskette (removable)<br>External FDD port<br>CD-ROM (removble)<br>DVD (removable)  | 256KB / onboard (<br>3.5" 1.44MB / use in<br>External diskette po   | ssor, L2 cache, a<br>full speed) / sync<br>a UltraslimBay™ / s<br>ort on right side (c<br>ROM / 24X-10X <sup>5</sup> s   | and mem cntr (N<br>pipelined burst<br>ships in external<br>can use simultar<br>speed / bootable   | orth Bridge) on<br>/ write-back / E<br>diskette enclos<br>neously with int<br>e / removable fro                                 | Mobile Module<br>CC<br>ure with a cable<br>ternal CD/DVD)<br>om UltraslimBay                        | <ul> <li>WINDOWS 98 PRELOAD<sup>16</sup></li> <li>Microsoft<sup>®</sup> Windows<sup>®</sup> 98</li> <li>ThinkPad Utilities</li> <li>Online User's Guide</li> <li>ThinkPad Configuration Program</li> <li>Ergonomics</li> <li>IBM Registration</li> </ul>  |  |  |  |
| Type - model<br>Processor<br>Preload (see side)<br>CD or DVD-ROM<br>Disk (removable)  | 2645-3AU<br>PII 300PEMHz<br>Windows 98<br>CD-ROM<br>4.0GB <sup>4</sup> /13/14ms<br>PIO4 or Ultra DMA  | 12.5 mm / PIO N  |   | 2645-5AU<br>PII 366MHz<br>Windows 98<br>DVD-ROM   | 2645-AAU<br>PII 366MHz<br>Blank (no disk)<br>Optional<br>None<br>N/A                                | <ul> <li>RingCentral</li> <li>Puma IntelliSync 97 (infrared)</li> <li>IBM Global Network Dialer</li> <li>Netscape Communicator</li> <li>Lotus SmartSuite Millennium<sup>20</sup></li> <li>Universal Management Agent</li> <li>ThinkPad on the Net</li> </ul>  |  |  |  |
| Avail / withdraw date<br>Memory (std / max)   | 32MB / 288MB<br>SDRAM / non-parit<br>Two 144-pin socke  | <b>64MB</b> std / 288M<br>ty / 66MHz / 3.3v<br>ts / 32MB on plar   | / sockets acces<br>nar / 1 or 2 sock  | sed by removinets available /   | Mar 99 / Feb 00<br>32MB / 288MB<br>g screw on base  | ConfigSafe®     Norton AntiVirus (OEM Version)     Mediamatics DVD Express (5AU only)     IBM Update Connector  |  |  |  |
| Display   | for 64MB model, or<br>13.3" (337.8mm) TI<br>640x480, 800x600<br>150 nits (AC), 90 nit   | FT color / Active Notes of the | Matrix / XGA / 75<br>to 16.7 million c<br>degree tilt   | oms / 100 to 1 c<br>olors)  |   | Nord Support Contractor     Access ThinkPad     Software Selections CD-ROM     Recovery CD-ROM (Windows 98)     Recovery CD-ROM (Windows 95) <sup>7</sup>   |  |  |  |
| Graphics - controller Graphics - features Graphics - external   | 2.5MB / SGRAM (e<br>Motion compensa<br>Multiple-monitor su  | embedded) / 128-<br>ntion / color space<br>pport <sup>26</sup> for Windo   | bit engine, 256-<br>e conversion / in<br>ws 98 / simultar   | bit memory into<br>terpolation in A<br>neous LCD and  | erface / AGP 1X<br>( and Y axis<br>I CRT <sup>26</sup> / DDC2B                                      | - Microsoft Windows NT® 4.0<br>- Service Pack 4a  |  |  |  |
| Disk<br>Disk controller   | External SVGA to 1024x768x16.7 million colors at 85Hz and 1280x1024x256 colors  Left front / removable via coin screw or 2.5mm Allen wrench / SMART <sup>29</sup> / upgradeable Enhanced IDE / busmaster / PCI 2.1 / South Bridge / PIIX4E  DMA Mode 2. Ultra DMA/33, or PIO Mode 4 / supports 2nd disk in opt HDD adapter  Ergonomics  ThinkPad Utilities Online User's Guide ThinkPad Configuration F |  |   |   |   | Online User's Guide     ThinkPad Configuration Program     Ergonomics   |  |  |  |
| Keyboard / Fn keys<br>Keyboard slope<br>Pointing device   | Full size alp/num keys / 10 Fn key functions / integrated palm rest<br>Flat keyboard (does not lift up) / optional Port Replicator adds slope<br>TrackPoint® / Press-to-Select / Release-to-Select / dragging / click pace /<br>center click button for scrolling or magnifying glass / suspension top / spare caps   |  |   |   |   | IBM Registration     Puma IntelliSync 97 (infrared)     IBM Global Network Dialer     Netscape Communicator     Lotus SmartSuite Millennium <sup>20</sup>   |  |  |  |
| Dimensions <sup>36</sup><br>Weight <sup>2</sup>   | Approximately 11.8 x 9.4 x 1.4" (155 cubic inches); 300mm x 240mm x 36.5mm 4.99 lbs (2.26 kg) with travel cover and battery only  |  |   |   |   | <ul> <li>Universal Management Agent</li> <li>ConfigSafe</li> <li>Norton AntiVirus (OEM Version)</li> <li>IBM Update Connector</li> <li>Access ThinkPad</li> <li>SystemSoft CardWizard</li> </ul>  |  |  |  |
| Battery - type<br>Battery - life <sup>10</sup><br>Charge time - on / off  | Lithium Ion / intelligent / remove from base / locked with latch 3.0 hrs / no non-disruptive battery exchange / supports 2nd battery in UltraslimBay f 2 to 3 hrs / 1.5 to 2.5 hrs  |  |   |   |   |   |  |  |  |
| Port replicator Docking Station PC Card Std slots USB / serial / paralle Other features   | Intel 440BX AGPs<br>TI® PCI1251 for Ca<br>PCI 2.1 / 32-bit / 33<br>PC97338 Super I/C<br>SelectaBase 600 /<br>SelectaDock III <sup>17</sup> /<br>2 Type I, 2 Type II,<br>I One USB / one 9 pi<br>APM-aware BIOS /  | rdBus / AGP for g<br>MHz (EIDE, Card<br>D / ISA (audio, mo<br>PC Card Enable<br>SelectaDock I an<br>or 1 Type III / Card<br>n serial; 16550A /   | graphics / LM75<br>dBus, audio, US<br>dem, diskette, s<br>r <sup>17</sup> / PC Card En<br>nd II<br>dBus 32-bit / PC<br>one (IEEE P128   | digital thermor<br>B, ext expansi-<br>erial, parallel, in<br>abler with Adva<br>MCIA 2.1 / Zoo<br>34-A, EPP, ECI                | meter<br>on)<br>frared, ext exp)<br>inced EtherJet <sup>17</sup><br>omed Video<br>P, bidirectional) | <ul> <li>♦ Software Selections CD-ROM</li> <li>♦ Recovery CD-ROM (Windows NT)</li> <li>The right bay (UltraslimBay) has LED on release latch to provide status; supports warm swapping:</li> <li>• std diskette and travel cover</li> <li>• std or optional CD-ROM</li> <li>• std or optional DVD drive<sup>19</sup></li> </ul> |  |  |  |
| Video (TV) out MPEG decoder Data/fax modem Audio support  Jacks Infrared ports  | 5AU: Video out (con<br>None (W98 suppor<br>56K <sup>22</sup> / V.90 / 14.4!<br>integrated Mwave®<br>CS4239: ISA / SRS<br>CS4610: PCI / deco<br>Int stereo speakers<br>Input jack (3.5 mm)<br>Infrared port (on rig  | mposite) / cable sit for MPEG-2 be Kbps fax / telepho 3780i DSP / interros 3D audio / FM syodes AC3 into ster (front) / .5 watt / F / Output jack (3.5   | hips standard with the cause 300MHz ony / voice-capa national program ynthesis / 16-bit reo / MPEG-2 au Fn+PgUp and Pgmm) / full duplex | ith RCA jack / C<br>with motion could /<br>when able /<br>nmable DAA / r<br>playback and redio decoding / a<br>gDn (volume) / i | chrontel CH7004<br>compensation)<br>nodem cable<br>ecord<br>accel of DirectX                        | optional UltraslimBay battery (cold swap only; 600E only)     optional LS-120 SuperDisk drive (cold swap only)     optional Zip 100MB drive (cold swap)     optional HDD adapter; for second disk (cold swap only)     optional ThinkPad Proven™ solutions¹²  |  |  |  |
| Security  | Power-on password personalization / ph  | d / hard disk passvillips-head screw   | word / superviso<br>on base for mer   | or password / se  | ecurity keyhole /<br>screw for disk   | PC 97 compliant<br>DMI 2.0 compliant  |  |  |  |
| Limited warranty <sup>11</sup> Service options <sup>15</sup>  | 3 year - carry-in or<br>average turnaround<br>On-site <sup>32</sup> , M-F, 8-5,   | ThinkPad EasySe  | erv™³¹ Rapid De   | pot Repair (3 bi  | usiness day   | DMI instrumentation (thermal monitoring) ACPI ready (APM enabled) Wired for Management 1.1a Wake on LAN® support <sup>28</sup>  |  |  |  |
| - ThinkPad 600 Li-I<br>- 10/100 EtherJet 0<br>modem<br>- IBM 10/100 Ether   |   | - 100<br>08L3167 - Sel<br>d 08L3147 - PC   |   | Jltra DMA/33  | 02K0518<br>36L9293<br>12J2467<br>05K4820<br>3547003   | Setup Guide, User's Reference, Quick<br>Reference and Service Information<br>Card, Options by IBM Catalog,<br>Windows 98 manual<br>Plug and Play 1.0a   |  |  |  |
| Color depth         LCD           Resolution         TFT           640x480         16M           800x600         16M           1024x768         16M           1280x1024 | 60Hz 70Hz 75Hz<br>16M 16M   | 85Hz - Ultr<br>85Hz ir<br>16M - 32N<br>16M - 64N<br>64K - 128<br>64K - Ultr  | raslim 56 watt AG<br>K-10X <sup>5</sup> CD-ROM<br>ncludes externa<br>MB SO DIMM 3.3<br>MB SO DIMM 3<br>raslimBay HDD a                  | l (UltraslimBay;<br>I diskette enclo<br>3v NP SDRAM<br>3v NP SDRAM<br>3.3v NP SDRAM<br>adapter (for 2nd                         | ong) 02K6545<br>12J2471<br>Isure) 76H0294<br>20L0241<br>01K1150<br>d disk) 05K5336                  | Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant Asset ID™ wireless RF technology (available only as an AAP option on the 600E model AAU; Atmel® AT24RF08 EEPROM))   |  |  |  |
| All models: - C: drive is FAT16 - D: drive is FAT32 of remaining space  | (if W98) or FAT16 (if   | - 2X <sup>5</sup><br>- 6X-<br>- Zip  | perDisk LS-120 (<br>DVD Drive (Ult<br>2X <sup>5</sup> DVD Drive<br>100MB Ultraslir<br>aslimBay Batte                                    | raslimBay)<br>(UltraslimBay)<br>nBay Drive(570  | 20L1929<br>05K8890<br>05K9169<br>0/600) 37L1507<br>02K6504  | International Warranty Service <sup>14</sup> IBM SystemXtra®, 35 24 hour / 7 day <sup>30</sup> telephone, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support   |  |  |  |

# ThinkPad® 600E (400MHz) - withdrawn

| IBM <sup>®</sup> ThinkPad <sup>®</sup>   |   |  |   |   |
|--|---|--|---|---|
| Processor<br>Processor features<br>L2 cache<br>Diskette (removable)<br>External FDD port<br>CD-ROM (removble)<br>DVD (removable) | 256KB / onboard (full speed<br>3.5" 1.44MB / use in Ultraslim!<br>External diskette port on righ<br>Std or option: CD-ROM / 24X<br>Std or option: DVD-ROM / bo  | ache, and mem cntr (North Bridge) on Mo<br>) / sync pipelined burst / write-back / ECC<br>say <sup>™</sup> / ships in external diskette enclosure v<br>is side (can use simultaneously with internation U<br>10X <sup>5</sup> speed / bootable / removable from U<br>otable / removable from UltraslimBay                | with a cable<br>al CD/DVD)  | ThinkPad Utilities Online User's Guide ThinkPad Configuration Program Ergonomics IBM Registration   |
| Type - model<br>Processor<br>Preload (see side)<br>CD or DVD-ROM<br>Disk (removable)<br>Avail / withdrawn date                   | 2645-4BU 2645-5E Pentium II 400MHz Windows 98 CD-ROM 10.0GB <sup>4</sup> / 12ms seek time / Fe June 1999 / January 2001   | n II 400MHz Pentium II 400MHz Pentium<br>rs 98 Windows NT Blank (n<br>CD-ROM Optiona   | II 400MHz<br>o disk)  | RingCentral Fax Puma IntelliSync 97 (infrared) IBM Global Network Dialer Netscape Communicator Lotus SmartSuite Millennium Universal Management Agent ThinkPad on the Net   |
| Memory (std / max)   |   | 32MB / 3.3v / sockets accessed by removing scr<br>on planar / 1 or 2 sockets available /<br>used by 32MB SO-DIMM   |   | <ul> <li>ConfigSafe®</li> <li>Norton AntiVirus™ (OEM Version)</li> <li>Mediamatics DVD Express</li> <li>IBM Update Connector</li> <li>Access ThinkPad</li> </ul>  |
| Display  | 13.3" (337.8mm) TFT color / 640x480, 800x600, or 1024x 150 nits (AC), 90 nits (battery  |  | ast ratio/  | ♦ Software Selections CD-ROM<br>♦ Recovery CD-ROM (Windows 98)<br>♦ Recovery CD-ROM (Windows 95) <sup>7</sup>   |
| Graphics - controller  |   | 6AV™ (NM2200) / Accelerated Graphics   |   | WINDOWS NT PRELOAD <sup>16</sup>  |
| Graphics - features  | <b>Motion compensation</b> / cold<br>Multiple-monitor support <sup>26</sup> for   | / 128-bit engine, 256-bit memory interface or space conversion / interpolation in X an Windows 98 / simultaneous LCD and CR  | d Y axis<br>T <sup>26</sup> / DDC2B                                 | - Microsoft Windows NT® 4.0<br>- Service Pack 4a  |
| Graphics - external Disk   |   | 16.7 million colors at 85Hz and 1280x102d<br>screw or 2.5mm Allen wrench / SMART29 / u   |   | Online User's Guide   |
| Disk controller  | Enhanced IDE / busmaster / F<br>DMA Mode 2, Ultra DMA/33,   | PCI 2.1 / South Bridge / PIIX4E<br>or PIO Mode 4 / supports 2nd disk in opt H  |   | <ul> <li>ThinkPad Configuration Program</li> <li>Ergonomics</li> <li>IBM Registration</li> </ul>  |
| Keyboard / Fn keys<br>Keyboard slope<br>Pointing device  | Flat keyboard (does not lift up<br>TrackPoint® / Press-to-Selection center click button for scrolling   | 0 Fn key functions / integrated palm rest<br>) / optional Port Replicator adds slope<br>t / Release-to-Select / dragging / click pace<br>g or magnifying glass / suspension top / sp   | are caps  | <ul> <li>Puma IntelliSync 97 (infrared)</li> <li>IBM Global Network Dialer</li> <li>Netscape Communicator</li> <li>Lotus SmartSuite Millennium<sup>20</sup></li> </ul>  |
| Dimensions <sup>36</sup><br>Approximate weight <sup>2</sup>  | Approximately 11.8 x 9.4 x 1 5.04 lbs (2.29 kg) w/ travel cov   | x 36.5mm<br>bon™ case  | Universal Management Agent     ConfigSafe                           |   |
| Battery - type<br>Battery - life <sup>10</sup>   | Lithium Ion / intelligent / remo<br>3.0 hrs / no non-disruptive batt<br>2 to 3 hrs / 1.5 to 2.5 hrs   | <ul> <li>Norton AntiVirus (OEM Version)</li> <li>IBM Update Connector</li> <li>Access ThinkPad</li> <li>SystemSoft CardWizard</li> </ul>   |   |   |
|  | TI® PCI1251 for CardBus / AGPCI 2.1 / 32-bit / 33MHz (EIDPC97338 Super I/O / ISA (au SelectaBase 600 / PC Card SelectaDock III¹7 / SelectaDoc 2 Type I, 2 Type II, or 1 Type One USB / one 9 pin serial; 16 | II / CardBus 32-bit / PCMCIA 2.1 / Zoome<br>5550A / one (IEEE P1284-A, EPP, ECP, bi  | ed, ext exp)<br>d EtherJet <sup>17</sup><br>d Video<br>directional) | <ul> <li>♦ Software Selections CD-ROM</li> <li>♦ Recovery CD-ROM (Windows NT)</li> <li>The right bay (UltraslimBay) has LED on release latch to provide status; supports warm swapping:</li> <li>• std diskette and travel cover</li> <li>• std or optional CD-ROM</li> </ul> |
| Other features Video (TV) out MPEG decoder Data/fax modem Audio support  | 5BU/BAU: Video out (compos<br>None (W98 support for MPE<br>56K <sup>22</sup> V.90 / 14.4Kbps fax / t<br>integrated Mwave® 3780i DSC<br>CS4239: ISA / SRS 3D audio<br>CS4610: PCI / decodes AC3              | 56 watt AC Adapter barrel, 3 prong / sele ite) / cable ships std with RCA jack / Chror G-2 because 300MHz with motion compelephony / voice-capable / P international programmable DAA / mode / FM synthesis / 16-bit playback and recornto stereo / MPEG-2 audio decoding / accewatt / Fn+PgUp and PgDn (volume) / int m | ntel CH7004<br>ensation)<br>em cable<br>d<br>l of DirectX           | swap only; 600E only)     optional LS-120 SuperDisk drive (cold swap only)     optional Zip 100MB drive (cold swap)     optional HDD adapter; for second disk (cold swap only)  |
| Jacks<br>Infrared ports  | Input jack (3.5 mm) / Output ja<br>Infrared port (on right) / IrDA 1  |  |   | optional ThinkPad Proven™ solutions¹2  PC 97 compliant  |
| Security   | Power-on password / hard dispersonalization / phillips-head   | sk password / supervisor password / securi<br>I screw on base for memory / opt Allen scre  | ity keyhole /<br>ew for disk  | DMI 2.0 compliant DMI instrumentation (thermal monitoring)  |
| Limited warranty <sup>11</sup>   |   | EasyServ™31 Rapid Depot Repair (3 busin  |   | ACPI ready (APM enabled) Wired for Management 1.1a  |
| Service options <sup>15</sup>  | On-site <sup>32</sup> , M-F, 8-5, next bus  | day (72 cities) / serv up to 5 yrs from purch  | ase date  | Wake on LAN® support <sup>28</sup> Universal Management Agent™ support  |
| - ThinkPad 600 Li-Ic<br>- 10/100 EtherJet C<br>modem<br>- IBM 10/100 EtherJ  | ardBus with 56K <sup>22</sup> 08L3167   | - 6.4GB disk, 13ms, Ultra DMA/33 - 10GB disk, 12ms, Ultra DMA/33 - SelectaBase 600 - PC Card Enabler with Adv EtherJet <sup>17</sup> SelectaBase MU <sup>17</sup>  | 02K0518<br>36L9293<br>12J2467<br>05K4820                            | Setup Guide, Ušer's Reference, Quick<br>Reference and Service Information<br>Card, Options by IBM Catalog,<br>Windows 98 or NT manual<br>Plug and Play 1.0a   |
| Color depth LCD  | External Monitor  | - SelectaDock III <sup>17</sup> - Ultraslim 56 watt AC Adapter (3 prong)   | 3547003<br>02K6545  | Standby, suspend, safe suspend, and   |
| Resolution TFT 640x480 16M 1024x768 16M 1280x1024  | 60Hz 70Hz 75Hz 85Hz<br>16M 16M 16M<br>16M 16M 16M<br>16M 16M 16M 16M<br>256   | <ul> <li>24X-10X° CD-ROM (UltraslimBay;<br/>includes external diskette enclosure;<br/>32MB SO DIMM 3.3v NP SDRAM</li> <li>64MB SO DIMM 3.3v NP SDRAM</li> <li>128MB SO DIMM 3.3v NP SDRAM</li> <li>UltraslimBay HDD adapter (for 2nd disk</li> </ul>   | 76H0294<br>20L0241<br>01K1150<br>05K5336                            | hibernation modes ENERGY STAR compliant Asset ID™ wireless RF technology (available only as an AAP option on the 600E model BAU; Atmel® AT24RF08 EEPROM))   |
| All models: - C: drive is FAT16 c - D: drive is FAT32 ( of remaining space   | if W98) or FAT16 (if NT)  | <ul> <li>SuperDisk LS-120 (UltraslimBay)</li> <li>2X<sup>5</sup> DVD Drive (UltraslimBay)</li> <li>6X-2X<sup>5</sup> DVD Drive (UltraslimBay)</li> <li>Zip 100MB UltraslimBay Drive (570/600)</li> <li>UltraslimBay Battery (600E only)</li> </ul>   | 20L1929<br>05K8890<br>05K9169<br>37L1507<br>02K6504                 | International Warranty Service <sup>14</sup> IBM SystemXtra®.35 24 hour / 7 day <sup>30</sup> telephone, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support  |

| IBM® ThinkPad®  |  |  |  |   |
|---|--|--|--|---|
| Processor<br>Processor features   |  | II 450 or 500MHz <sup>1</sup> / 100MH<br>L2 cache, and mem cntr (No  |  | windows 98 PRELOAD <sup>16</sup> dule - Microsoft® Windows® 98 Second Ed  |
| L2 cache  | 256KB / onboard (at prod<br>3.5" 1.44MB / use in Ultras<br>External diskette port on<br>Std or option: CD-ROM / 2              | cessor speed) / sync pipelir<br>slimBay™ / ships in external c<br>right side (can use simultan<br>4X-10X⁵ speed / bootable / r<br>bootable / removable from U            | ned burst / write-back / EC<br>diskette enclosure with a c<br>eously with internal CD/D<br>emovable from UltraslimBa       | <ul> <li>ThinkPad Utilities</li> <li>able</li> <li>Online User's Guide</li> <li>ThinkPad Configuration Program</li> </ul>   |
| Type - model  | 2645-3EU 2645-7EU  | 2645-4EU 2645-8EU  | 2645-5EU 2645-9EU  | RingCentral Fax   |
| Preload (see side)<br>Processor<br>CD or DVD-ROM<br>Disk (removable)  | Win 98 NT 4.0<br>Pentium III 450MHz<br>CD-ROM<br>6.0GB <sup>4</sup> / 12ms seek read<br>PIO4 or Ultra DMA/33                   | Win 98   Win 2000<br>Pentium III 500MHz<br>CD-ROM<br>12.0GB / 12ms seek read<br>PIO4 or Ultra DMA/33   | Win 98 NT 4.0<br>Pentium III 500MHz<br>6X-2.3X <sup>5</sup> DVD / RPC II<br>12.0GB / 12ms seek (re<br>PIO4 or Ultra DMA/33 | IBM Global Network Dialer     Netscape Communicator     Lotus® SmartSuite® Millennium²0     Universal Manageability Services     ThinkPad on the Net     ConfigSafe®  |
|   | Dec 1999 / Jan 2001  | Dec 1999 / Jan 2001  | Dec 1999 / Jan 2001  | <ul> <li>Norton AntiVirus™ (OEM Version)</li> </ul>   |
| Memory (std / max)  |  | MHz / 3.3v / sockets accessits / 64MB on planar / 2 socl   |  | <ul> <li>Access ThinkPad</li> </ul>   |
| Display   |  | or / Active Matrix / XGA / 75r<br>24x768 (up to 16.7 million c<br>tery) / 180 degree tilt  |  | <ul> <li> <sup>↑</sup> Software Selections CD-ROM         <sup>↑</sup> Recovery CD-ROM (Windows 98)         <sup>↑</sup> Recovery CD-ROM (Windows 95)<sup>40</sup> </li> </ul>  |
| Graphics - controller   |  | <b>1256ZX</b> ™ (NM2360) / Accel   |  | WINDOWS NT DDELGADIS  |
| Graphics - features   | Motion compensation / simultaneous LCD and CR  |  | r Windows 98 /   | - Microsoft Windows NT® 4.0<br>- Service Pack 5   |
| Graphics - external   |  | 68x16.7 million colors at 85F  |  | - Triniki ad Ctintics   |
| Disk<br>Disk controller   | Enhanced IDE / busmaste  | screw or 2.5mm Allen wrender / PCI 2.1 / South Bridge / 33, or PIO Mode 4 / supports   | , 0  | ThinkPad Configuration Program     IBM Registration   |
| Keyboard / Fn keys<br>Keyboard slope<br>Pointing device   | Flat keyboard (does not lift<br>TrackPoint® / Press-to-Se  | / 10 Fn key functions / integ<br>it up) / optional Port Replicat<br>elect / Release-to-Select / dr<br>olling or magnifying glass / s                                     | for adds slope<br>agging / click pace /  | PC-Doctor     RingCentral Fax     IBM Global Network Dialer     Netscape Common Mills and 19 of 1 |
| Dimensions <sup>36</sup> Approximate weight <sup>2</sup>  | Approximately 11.8 x 9.4   | x 1.4" (155 cubic inches); 30<br>cover and battery only / IBM  | 00mm x 240mm x 36.5mn  | <ul> <li>Universal Manageability Services</li> <li>ConfigSafe</li> </ul>  |
| Battery - type Battery - life <sup>10</sup> Charge time <sup>10</sup> - on / off  | Lithium Ion / intelligent / re<br>3.0 hrs / no non-disruptive<br>2 to 3 hrs / 1.5 to 2.5 hrs                                   | emove from base / locked wi<br>battery exchange / supports   | th latch<br>2nd battery in UltraslimBa   | IBM Update Connector  |
| Architecture  | Intel 440BX AGPset / Intel TI® PCI1450 for CardBus PCI 2.1 / 32-bit / 33MHz (  | el PIIX4M (EIDE, ISA Bridge<br>/ AGP 2X for graphics /<br>EIDE, CardBus, audio, USE<br>(diskette, serial, parallel, in   | B, ext expansion) /  | SystemSoft CardWizard     Software Selections CD-ROM     Recovery CD-ROM (Windows NT)   |
| Port replicator<br>Docking Station<br>PC Card Std slots<br>USB / serial / parallel<br>Other features                                  | SelectaBase 600 / PC Ca<br>SelectaDock III <sup>17</sup> / Select<br>2 Type I, 2 Type II, or 1 Ty<br>One USB / one 9 pin seria | ard Enabler <sup>17</sup> / PC Card Ena  | bler with Advanced Ether<br>MCIA 2.1 / Zoomed Video<br>4-A, EPP, ECP, bidirectio   | warm swapping:  std diskette and travel cover  std or optional CD-ROM   |
| Video (TV) out<br>MPEG decoder<br>Data/fax modem  | 5EU/9EU: Video out (comp<br>None (W98 support for M<br>56K <sup>37</sup> V.90 / 14.4Kbps fax                                   | posite) / cable ships std with<br>PEG-2 because 300MHz w<br>/ telephony / voice-capable<br>al programmable DAA / mc  | RCA jack / Chrontel CH70 ith motion compensation / Mini-PCI Type IIIb /  | Std of optional DVD drive     optional UltraslimBay battery (cold swap only; 600E and 600X only)     optional LS-120 SuperDisk drive (cold  |
| Audio support   | 16-bit playback and recor CS4624 / CS4297A AC97  | d / full duplex / SoundBlaste<br>7 codec   | er Pro™ support / PCI /  | swap only) • optional Zip 100MB drive (cold swap) • optional HDD adapter; for second disk   |
| Jacks<br>Infrared ports   | Input jack (3.5 mm) / output Infrared port (on right) / Ir[  | / .5 watt / Fn+PgUp and Pg<br>it jack (3.5 mm) / line in / full<br>DA 1.1 compatible / up to 4N  | duplex<br>1bps   |   |
| Security  | personalization / phillips-h   | d disk password / supervisor<br>ead screw on base for mem  | ory / opt Allen scréw for o  | disk CIM and DMI 2.0 compliant  |
| Limited warranty <sup>11</sup> Service options <sup>15</sup>  | average turnaround)  | Pad EasyServ™³¹ Rapid Dep<br>us day (72 cities) / serv up t  | . `  | Wake on LAN® support <sup>28</sup> APM enabled (ACPI ready)   |
| - IBM Portable Drive<br>- 10/100 EtherJet Ca  | ardBus with 56K <sup>22</sup>  | 511 -6.0GB disk, 12ms, AT<br>-12.0GB disk, 12ms, A   | TA-66 05K9   | 200 Services  |
| modem<br>- IBM 10/100 EtherJ  | 08L3<br>et CardBus PC Card 08L3  | 167 - 18.0GB disk, 12ms, A<br>147 - SelectaBase 600<br>- PC Card Enabler with  | 12J2   | 467 Reference and Service Information   |
| Color depth LCD   | External Monitor   | - SelectaDock III <sup>17</sup>  | 3547   | 003 Windows 98 or NT manual   |
| Resolution         TFT           640x480         16M           800x600         16M           1024x768         16M           1280x1024 | 60Hz 70Hz 75Hz 85Hz<br>16M 16M 16M<br>16M 16M 16M<br>16M 16M 16M 16M<br>256  | - Ultraslim 56 watt AC A<br>- 24X-10X <sup>5</sup> CD-ROM (U<br>32MB SO DIMM 100M<br>- 64MB SO DIMM 100M<br>- 128MB SO DIMM 100<br>- 256MB SO DIMM 100                   | lltraslimBay) 12J2<br>1Hz NP SDRAM 20L0<br>1Hz NP SDRAM 20L0<br>MHz NP SDRAM 20L0<br>MHz NP SDRAM 33L3                     | 471 Standby, suspend, safe suspend, and 253 hibernation modes 254 ENERGY STAR compliant 255 Asset ID™ wireless RF technology (available as special bid option;  |
| All models: - C: drive is FAT16 o - D: drive is FAT32 (i of remaining space   | f W98) or FAT16 (if NT)  | - UltraslimBay HDD ada<br>- SuperDisk LS-120 (Ul<br>-6X-2X <sup>s</sup> DVD Drive (Ult<br>- Zip 100MB UltraslimBa<br>- UltraslimBay Battery (<br>- ThinkPad 600 Li-lon E | traslimBay) 20L1<br>raslimBay) 05K9<br>ay Drive (570/600) 37L1<br>600E/X only) 02K6  | 929 International Warranty Service <sup>14</sup> 169 IBM SystemXtra <sup>®,35</sup> 507 24 hour / 7 day <sup>30</sup> telephone, bulletin board, fax, electronic, and Internet  |
|   |  |  |  | · · · · · · · · · · · · · · · · · · ·   |

| IBM® ThinkPad®  |  |   |   |   |   |
|---|--|---|---|---|---|
| Processor   | Intel® Mobile Pentium® III 5   |   |   | ım® III   | WINDOWS 98 PRELOAD <sup>16</sup>  |
| L2 cache<br>Diskette (removable)<br>External FDD port   | 650MHz <sup>1,41</sup> with SpeedSte<br>No upgrade / processor, L2<br>256KB / onboard (at proce<br>3.5" 1.44MB / use in Ultraslin<br>External diskette port on rig<br>Std or option: CD-ROM / 24<br>Std or option: DVD-ROM / b   | cache, and mem cntr (No ssor speed) / sync pipeline mBay™ / ships in external di ht side (can use simultane K-10X⁵ speed / bootable / re  | orth Bridge) on Mobil<br>ed burst / write-back<br>iskette enclosure wit<br>eously with internal (<br>emovable from Ultras                                     | k / ECC<br>th a cable<br>CD/DVD)  | <ul> <li>Microsoft® Windows® 98 Second Ed</li> <li>ThinkPad Utilities</li> <li>Online User's Guide</li> <li>ThinkPad Configuration Program</li> <li>PC-Doctor</li> <li>IBM Registration</li> <li>RingCentral Fax</li> </ul>   |
| Type - model<br>Preload (see side)<br>Processor<br>CD or DVD-ROM<br>Disk (removable)<br>Avail / withdrawn date  | 2645-8PU<br>Windows 2000 Pro<br>Pentium III 500MHz<br>CD-ROM<br>12.0GB <sup>4</sup> / 12ms seek read /<br>February 2000 / February 20  |   | 2645-9FU<br>Windows 2000 Pr<br>Pentium III 650MI<br>CD-ROM<br>O Mode 4 / S.M.A.R  | Hz  | <ul> <li>Netscape Communicator</li> <li>Lotus® SmartSuite® Millennium</li> <li>ThinkPad on the Net</li> <li>ConfigSafe®</li> <li>Norton AntiVirus™ (OEM Version)</li> <li>Mediamatics DVD Express (5/9FU)</li> <li>IBM Update Connector</li> </ul>  |
| Memory (std / max)  | 64MB / 576MB<br>SDRAM / non-parity / 100MI<br>base / two 144-pin sockets   | Access ThinkPad     Software Selections CD-ROM     Recovery CD-ROM (Windows 98 SE)  |   |   |   |
| Display   | <b>13.3</b> " (337.8mm) <b>TFT color</b> 640x480, 800x600, or 1024 150 nits (AC), 90 nits (batter  | st ratio /  | <ul> <li>Recovery CD-ROM (Windows 95)<sup>40</sup></li> <li>WINDOWS 2000 PRELOAD<sup>16</sup></li> <li>Windows 2000® Professional</li> </ul>                  |   |   |
| Graphics - controller Graphics - features Graphics - external   | NeoMagic™ MagicGraph2<br>4MB / SGRAM (embedded)<br>Motion compensation / m<br>simultaneous LCD and CRT<br>External SVGA to 1024x768  | / 128-bit engine, 256-bit m<br>ultiple-monitor support <sup>26</sup> for<br><sup>26</sup> / DDC2B   | nemory interface<br>Windows 98 SE or  | nly /   | ThinkPad Utilities     Online User's Guide     ThinkPad Configuration Program     IBM Registration     PC-Doctor  |
| Disk<br>Disk controller   | Left front / remove via coin s<br>Enhanced IDE / busmaster /<br>DMA Mode 2, Ultra DMA/33   | / PCI 2.1 / South Bridge /<br>, or PIO Mode 4 / supports  | 2nd disk in opt HDE   |   | <ul> <li>RingCentral Fax</li> <li>Netscape Communicator</li> <li>Lotus SmartSuite Millennium</li> <li>ConfigSafe</li> </ul>   |
| Keyboard / Fn keys<br>Keyboard slope<br>Pointing device   | Full-size 85-key keyboard /<br>Flat keyboard (does not lift to<br>TrackPoint® / Press-to-Sele<br>center click button for scrolli   |   | IBM Update Connector     SystemSoft CardWizard     Software Selections CD-ROM     Recovery CD-ROM (Windows 2000)  |   |   |
| Dimensions <sup>36</sup><br>Approximate weight <sup>2</sup>   | Approximately 11.8 x 9.4 x 4.99 lbs (2.25 kg) w/ travel c  |   |   |   | ♦ Recovery CD-ROM (Windows NT) <sup>40′</sup>   |
| Battery - type<br>Battery - life <sup>10</sup><br>Charge time <sup>10</sup> - on / off  | Lithium Ion / intelligent / rem<br>3.0 hrs / no non-disruptive b<br>2 to 3 hrs / 1.5 to 2.5 hrs  |   |   | slimBay   | The right bay (UltraslimBay) has LED or release latch to provide status; supports warm swapping:  |
| Port replicator Docking Station PC Card Std slots USB / serial / parallel Other features Video (TV) out MPEG decoder  | Intel 440BX AGPset / Intel TI® PCI1450 for CardBus / PCI 2.1 / 32-bit / 33MHz (E PC97338 Super I/O / ISA (C SelectaBase 600 / PC Card SelectaDock III17 / Selectal 2 Type I, 2 Type II, or 1 Typ One USB / one 9 pin serial; APM-aware BIOS / Ultraslim 5FU/9FU: Video out (composition of MP) None (W98 support for MP) | AGP 2X for graphics / IDE, CardBus, audio, USB diskette, serial, parallel, inf d Enabler <sup>17</sup> / PC Card Enableock I and II e III / CardBus 32-bit / PCM 16550A / one (IEEE P1284 of 56 watt AC Adapter barresite) / cable ships std with R   | , ext expansion) /<br>rared, ext exp)<br>oler with Advanced I<br>MCIA 2.1 / Zoomed N<br>4-A, EPP, ECP, bidi<br>I, 3 prong / selectab<br>RCA jack / Chrontel ( | Video<br>irectional)<br>ole boot<br>CH7004                                | <ul> <li>std diskette and travel cover</li> <li>std or optional CD-ROM</li> <li>std or optional DVD drive</li> <li>optional UltraslimBay battery (cold swap only; 600E and 600X only)</li> <li>optional LS-120 SuperDisk drive (cold swap only)</li> <li>optional Zip 100MB drive (cold swap)</li> <li>optional HDD adapter; for second disk (cold swap only)</li> <li>optional ThinkPad Proven™ solutions¹²</li> </ul> |
| Data/fax modem Audio support  | 56K <sup>37</sup> V.90 / 14.4Kbps fax /<br>Lucent® 1646 / international<br>16-bit playback and record<br>CS4624 / CS4297A AC97 o<br>Int stereo speakers (front) /  | programmable DAA / mod<br>/ full duplex / SoundBlaste<br>codec<br>.5 watt / Fn+PgUp and PgE   | dem cable<br>or Pro™ support / P0<br>On (volume) / int mid  | CI /  | PC 99-compliant<br>CIM and DMI 2.0 compliant<br>Wired for Management 1.1a<br>Wake on LAN® support <sup>28</sup>   |
| Jacks<br>Infrared ports   | Input jack (3.5 mm) / output j<br>Infrared port (on right) / IrDA  | ack (3.5 mm) / line in / full d   | luplex  |   | APM enabled (ACPI ready) Local and remote asset management  |
| Security  | Power-on password / hard opersonalization / phillips-hea   |   | via the IBM Universal Manageability<br>Services   |   |   |
| Limited warranty <sup>11</sup>  | 3 year - carry-in or ThinkPa average turnaround)   | d EasyServ™³¹ Rapid Depo  | ot Repair (3 busines  | ss day  | Remote setup and low-level maintenance via IBM LANClient  |
| Service options <sup>15</sup>   | On-site <sup>32</sup> , M-F, 8-5, next bus   | , , ,   | <u> </u>  |   | Control Manager™ Setup Guide, User's Reference, Quick   |
| - IBM Portable Drive<br>- 10/100 EtherJet Ca<br>modem<br>- IBM 10/100 EtherJe   | rdBus with 56K22   | 11 -6.0GB disk, 12ms, ATA<br>-12.0GB disk, 12ms, AT<br>67 -18.0GB disk, 12ms, AT<br>47 -SelectaBase 600<br>-PC Card Enabler with A  | ΓA-66<br>ΓA-66  |   | Reference and Service Information<br>Card, Options by IBM Catalog,<br>Windows 98 or 2000 manual<br>Plug and Play 1.0a<br>Standby, suspend, safe suspend, and  |
| Color depth         LCD           Resolution         TFT           640x480         16M           800x600         16M           1024x768         16M           1280x1024            Windows 98 model:         -C: drive is FAT16 or           -D: drive is FAT32 or           Windows 2000 model | f remaining space  | - SelectaDock III <sup>17</sup> - Ultraslim 56 watt AC Active 24X-10X <sup>5</sup> CD-ROM (UI) - 64MB SO DIMM 100M - 128MB SO DIMM 100M - 256MB SO DIMM 100M - UltraslimBay HDD adal - SuperDisk LS-120 (UltraslimBay CX-2X <sup>5</sup> DVD Drive (UltrazlimBay UltraslimBay Battery (6) - ThinkPad 600 Li-lon Battery (6) | dapter (3 prong)<br>ItraslimBay)<br>Hz NP SDRAM<br>MHz NP SDRAM<br>MHz NP SDRAM<br>ptr (for 2nd disk)<br>raslimBay)<br>aslimBay); RPC II<br>y Drive (570/600) | 3547003<br>02K6545<br>12J2471<br>20L0254<br>20L0255<br>33L3069<br>05K5336 | hibernation modes ENERGY STAR compliant Asset ID™ wireless RF technology (available as special bid option; Atmel® AT24RF08 EEPROM)) International Warranty Service¹⁴ IBM SystemXtra®.35 24 hour / 7 day³⁰ telephone, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support  |
| - C: drive is FAT32 of  |  | - IBM 340MB microdrive  |   | 00N8073   |   |

| IBM® ThinkPad®;   | > 701CS   | ≫ 701C   |  | ThinkD                    | ad 701CS /701C strengths:  |
|---|---|--|--|---------------------------|--|
|   | dual scan color   | TFT color  |  |                           | <b>J</b>   |
| Processor 3.3 volt<br>Processor speed   | 80486DX2 IntelDX4<br>50/25 MHz 75/25 MHz  | 80486DX2<br>50/25 MHz  | IntelDX4<br>75/25  | ≎ Full s                  | ized, folding TrackWrite keyboard<br>ized 10.4" color dual scan or TFT display<br>otebook size and weight (4.5 pounds)   |
| Coprocessor socket<br>Memory cache<br>Diskette<br>Removable CD-ROM                                    | N/A (math coprocessor std in DX2/DX4<br>8 KB in DX2; 16 KB in DX4 / no L2 cac<br>External 3.5" 1.44 MB / hot-pluggabl<br>Not supported  | he Connector to atta   | ach either<br>ort II or (with  | Audio Infrare             | o, 14.4/14.4 data/fax modem, telephony<br>ed communication<br>Point III and removeable disk  |
|   | \$2,499   | UT2 UT5<br><b>360 540</b><br>1 13  13  13  13                            | 1,999 \( \) 2,149 \( \) 5TU \( \) <b>540</b> \( \) 13 \( \) 13 \( \) Mar95 \( \) Mar95                   | 7TU<br><b>720</b><br>13 🗖 | ① Data modem function - V.22bis (2400 bps) - V.32 (9600 bps) - V.32bis (14.4 Kbps)   |
| Display - type<br>Display - colors<br>Display - techology<br>Display - diagonal size                  | VGA color / 640 x 480<br>65,536 simultaneous colors<br>Dual scan<br>10.4 inch / 20 to 1 contrast ratio  | VGA color / 64/<br>65,536 simultar<br>TFT - active ma<br>10.4 inch / 100 | neous colors<br>atrix  | tio                       | Fax modem function     Class 1 fax send/receive (14.4 Kbps)     Audio function     16 bit audio / 44.1 kHz sampling rate     Stereo waveform record and playback |
| Graphics - controller<br>Graphics - vendor<br>Graph - arch/data path                                  | CT-65545 with 1 MB DRAM<br>Chips & Technologies / External SV<br>VL-Bus 2.0 local bus / 32 bit / Simul  |  |  |                           | <ul> <li>18 voice MIDI wave table synthésizer</li> <li>SoundBlaster™ support</li> <li>Text to speech (via Monologue)</li> </ul>                                  |
| Memory - std / max<br>Memory - type<br>Mem - sockets empty<br>Mem-options available                   | 4/36 MB   | Track<br>into p  | 8/40 MB<br>wo wings (end<br>tWrite™keybo<br>osition autom  | ard slide<br>atically     | Telephone function     Full telephone (can use opt headset)     Telephone answering machine     Full duplex speakerphone   |
| Keyboard / # of keys<br>Keyboard slope<br>Mouse/pointing<br>Ext keyboard support                      | Full size alp/num / 85 key (15 Fn k<br>Yes (use MultiPort II stand that flips<br>TrackPoint III™ on TrackWrite key<br>Yes (no cable required)   | out) or clo  | time the lid is<br>sed<br>y functions:<br>ofiguration Utility  |                           | PREINSTALLED APPLICATIONS - IBM DOS 6.3 - Windows 3.11 * DX4 systems include OS/2 Warp 3.0   |
| Dimensions<br>Color<br>Weight (with battery)  | 9.7 x 7.9 x 1.7" (130 cubic inches) Black With keyboard ope 4.5 pounds With keyboard ope expands from 9.7"  | - Bat<br>en it - Sta   | tery Status<br>ndby/Suspend<br>ernation  | ,                         | (dual boot) with selected BonusPak - IBM PC Card Director™ for PCMCIA - IBM ThinkPad Demo  |
| Battery - type<br>Battery - life<br>Charge time - on / off  | Super NiCad or NiMH (DX4 mdls bu<br>2.5 to 7 hours <b>or optional Ni</b><br>1.5 hrs / battery will not charge if uni  | <b>MH</b> - Har<br>tis off - LC[   | eaker off (audio<br>d disk off<br>D or CRT or bot  | h                         | Online Users Guide     ThinkPad Features     Diskette Factory     Lotus® cc:Mail™, e-mail for the Global®  |
| Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features | AT bus (ISA) Dock II (requires optional Dock II Ac None (use standard MultiPort II) 2 Type I or 2 Type II or 1 Type III One 9 pin; 16550A / ECP/EPP paral APM-aware BIOS/Wallmount AC ad  | apter Kit) - Incr<br>- Brig<br>- Spe<br>lel 36 pin (IEEE 128             | verse appearand<br>ease/decrease<br>ghten/dim LCD<br>eaker volume up<br>(4); non-DMA<br>prongs / Selecta | contrast<br>down          | network 2. Lotus Organizer™ 1.12 3. Lotus ScreenCam™ 1.0 4. Triton CoSession™ Host 5. PRODIGY®; 6. America Online® 7. SofNet FaxWorks™ Voice™ 3.0                |
| Functions<br>Data/fax modem<br>Audio support  | Data modem, fax modem, audio, telephony function 14.4/14.4 data/fax modem function (with RJ11 jack) 16 bit audio chip on planar (ESS688 and Yamaha OPL3) / FM Synthesis Internal speaker (with Fn key volume control) and internal microphone |  |  |                           | <ul> <li>8. Video For Windows™ 1.1 Runtime</li> <li>9. Monologue (text to speech)</li> <li>10. Puma TranXit™ (infrared function)</li> <li>11. Taxi™</li> </ul>   |
| Audio in/out jacks<br>Telephone<br>Infrared ports   | Internal speaker (with Fn key volume control) and internal microphone Input jack / microphone jack / output jack Telephone / answering machine / full duplex speakerphone Infrared port (on back) / IRDA 1.0 compatible / up to 115.2 Kbps    |  |  |                           | 12. AlphaNet™ FollowFax™ 13. SEDONA™ REPRINT™ 14. COMPEL™ Personal Edition 15. Audiofile® TalkWorks™   |
| Security  | Power-on password / locking device keyhole also called MicroSaver™ security connector (Kensington™ lock)  |  |  |                           | 15. Audiofile <sup>™</sup> TalkWorks <sup>™</sup><br>16. Reuters <sup>™</sup> Money <sup>®</sup> Network   |
| Preinstalled software Warranty  | IBM DOS 6.3, Windows™ 3.11, (and and all appls listed to right: 3 year - EasyServ only (optional ons  | •  | ,,   |                           |  |

Configuration Utility is entered by Fn+F1 at any

MultiPort II (ships standard) is 1.7 x .9 x 10" and has ports for:

- Mouse/Numpad connector (6 pin)
  External keyboard connector (6 pin)
- EPP parallel port (25 pin) Serial connector (RS-232D 9 pin)
- Audio line in (3.5 mm)
- Audio line out (3.5 mm)
- External display connector (15 pin)
- DC input connector

ECP/EPP port (36 lines) connects either the external floppy or a printer. The standard External Diskette Drive Cable (13.2") has a 36-pin and a 26-pin connector. The Standard Printer Cable Adapter (7.1") has a 36-pin connector and a 25-pin connector (so a conventional printer cable is needed)

Compatible in all 701 models:

Cable Pack

Disks: 540 MB disk 13 ms 04H6894 720 MB disk 13 ms 10H4096 Dock II (2 slot / 2 bay) 84G3587 Dock II Adapter Kit 4 MB SO-DIMM 3.3v 04H6196 92G7259 8 MB SO-DIMM 3.3v 92G7261 16 MB SO-DIMM 3.3v 92G7263 32 MB SO-DIMM 3.3v 92G7281 Universal AC Adapter 30 watts 04H8367 AC Adapter 30 w, wall, 2 pin AC Adapter 35 w, ww, 3 pin 10H4020 85G6680 Super NiCad Battery 10H4019 NiMH Battery 25H4862 MultiPort II 10H4021 External diskette with cable 10H4068 EPP Printer Cable & 10H4069

ThinkPad 360, 750, 755 family disks, batteries memory, and Dock I are NOT compatible in the ThinkPad 701 family

#### FEATURES OF 701CS/701C MODELS

Battery life indicator Non-disruptive battery exchange Standby, suspend, hibernation, and RediSafe modes US EPA Energy Star compliant Personalized nameplate in molded indention

#### **HELPWARE**

3 year warranty International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM or dealer warranty/service Online Housecall (remote diagnostics)

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business days average turnaround). Overnight repair option in US available for \$99.

All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (701) Compiled by Roger Dodson, IBM. June 1996

⇒ = Withdrawn from marketing on or before June 1996

## Tim ThinkPad 710T, 720, 720C - withdrawn

| IBM® ThinkPad®:  |   |  |   |
|--|---|--|---|
| Processor type Processor speed Memory cache Coprocessor socket Diskette drive  | 80486 SLC<br>25 MHz<br>16 KB internal<br>No<br>Optional 3.5" 1.44 MB  | 80486 SLC2<br>50/25 MHz<br>16 KB internal<br>Yes (for 387 SL)<br>3.5" 1.44 MB  | 80486 SLC2<br>50/25 MHz<br>16 KB internal<br>Yes (for 387 SL)<br>3.5" 1.44 MB   |
| Price (retail USD) Type - model Hard drive - size Hard drive - speed Available date Withdrawal date  | \$ 1,859<br>2523-09Y<br>Option (TPF)<br>5, 10, 15 MB<br>March 93<br>Sept 94<br>\$ 2,849<br>2523-303<br><b>60 MB</b><br>18.5 ms<br>March 93<br>March 93<br>Sept 94<br>\$ 2,849<br>2523-303<br>March 93<br>March 93<br>March 94 | \$ 2,495 <b>\</b> 9552-307 <b>120 MB \</b> 17 ms   | \$ 4,695<br>9552-30J<br><b>160 MB</b> 15 ms O<br>May 93<br>March 94   |
| Display - type Display - grey scales Display - techology Display - light source Display - size (diag) Display - contrast ratio 180 degree display tilt               | VGA mono 16 grey scales STN Transflective LCD - Backlit 9.5 inch 3 to 1 N/A Transflective: can turn on backlit in dark areas or turn it off in bright areas   | VGA mono 64 grey scales STN LCD - backlit 9.5 inch 18 to 1 Yes   | VGA color<br>256 colors 640x480<br>Thin film transistor<br>Active matrix<br>10.4 inch<br>100 to 1<br>Yes                |
| Memory - std / max<br>Mem - sockets empty<br>SIMM/ICs available  | 4 / 12 MB 80 ns<br>1 socket (parity)<br>2, 4, 8 MB SIMMs  | 4 / 16 MB 80 ns<br>2 sockets (parity)<br>2, 4, 8 MB ICs  | 4 / 16 MB 80 ns<br>2 sockets (parity)<br>2, 4, 8 MB ICs   |
| Keyboard / # of keys Fn key functions Keyboard slope Mouse/pointing Ext keyboard support   | External (any PS/2 keyboard<br>N/A (no keyboard)<br>N/A is supported)<br>Electromagnetic pen<br>Yes   | Full size alp/num/ 84 None 8 degrees (legs) TrackPoint II <sup>TM</sup> Yes (with opt cable)                             | Full size alp/num/ 84 None 8 degrees (legs) TrackPoint II Yes (with opt cable)  |
| Dimensions Cubic inches Carrying case Color Weight (with battery)  | 11.6 x 9.6 x 1.4"<br>156 inches<br>Blk nylon standard<br>Black<br>5.2 pounds (09Y); 5.5 pounds (302,3)  | 11.7 x 8.3 x 1.9"<br>185 inches<br>Many options available<br>Black<br>6.5 pounds   | 11.7 x 8.3 x 2.2"<br>214 inches<br>Many options available<br>Black<br>7.6 pounds  |
| Battery - type Batt - life (per battery) Charge time - on / off Battery - options  | Nickel cadmium 3.3 to 4.1 hrs (09Y); 3.1 to 3.8 (302,3) N/A / 3 hrs (unit off or suspend only) Nickel cadmium half size battery   | Nickel hydride<br>4 to 8 hours<br>3 hrs / 2 hrs<br>Yes - status indicator  | Nickel hydride 2.4 to 4.8 hours 1.5 hrs / 1.4 hrs Yes - status indicator  |
| Architecture External AT/MCA port Comm Crtrdge (1 card) Docking Station Port replicator Modem/serial slot PCMCIA slots Visible LEDs - closed Serial / parallel ports | Local / AT I/O, DMA Yes No No 1 Type III PC Card can occupy 2 Type II slots on Model 09Y 3 Type II (09Y); 1 Type II (302, 303) N/A Yes / Yes  | Micro Channel® Yes Yes (black) Yes (3550-002) black Yes black No 2 Type I or 2 Type II Yes or 1 Type III Yes / Yes (DMA) | Micro Channel Yes Yes (black) Yes (3550-002) black Yes black No 2 Type I or 2 Type II Yes or 1 Type III Yes / Yes (DMA) |
| APM-aware BIOS<br>Other features<br>Preinstalled software<br>Warranty  | No 09Y: PenDOS, PenPoint on optional solid state files (10, 15 MB). 302: PenDOS 2.0; 303: PenPoint 1 year - EasyServ only   | APM-aware BIOS Hrdw security loop IBM DOS 5.02, PRODIGY® 3 year - carry in or EasyServ (opt onsite)                      | APM-aware BIOS Hrdw security loop IBM DOS 5.02, PRODIGY 3 year - carry in or EasyServ (opt onsite)                      |

The 700/720 family hard disks, batteries, and docking station are NOT compatible with ThinkPad 360, 750, 755. The 700/720 memory IS compatible with ThinkPad 360, 750, 755.

| FEATURES OF 700/700C and 720/720C  |                            | FEATURES OF ALL PRODUCTS   |
|--|----------------------------|--|
| 3 year warranty 700/720 mono upgradeable to TFT color 700/700C upgradeable to 486SLC2 50/25 Upgradeable to 120, 160, 240, 340 MB Removable hard disk Pressure activated TrackPoint II Optional battery w/ power status indicators Quick Charger holds 2 batt; discharge button |                            | Suspend/resume mode; battery life indicator Non-disruptive battery exchange Simultaneous LCD and external CRT US EPA Energy Star compliant International travelers warranty IBM or dealer warranty/service 30 day money back guarantee 24 hour / 7 day fax support |
| Coupon book with \$4,000 in savings  |                            | 24 hour / 7 day bulletin board support   |
| A Price decrease effective October 28, 1993  | → Withdrawn from marketing | 24 hour / 7 day telephone support at 1-800-772-2227  |

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight). STN = Super twisted nematic; ■ Upgradeable; ○ = Removable

#### IIM ThinkPad 730T - withdrawn

| · <del></del>                                 |  |  |   |                           |  |  |  |
|---|--|--|---|---------------------------|--|--|--|
| IBM® ThinkPad®:                               |  |  |   |                           |  |  |  |
| December                                      | pen tablet   |  |   |                           |  |  |  |
| Processor type Processor speed                | 80486SX (3.3 volt SL Enhanced)<br>33 MHz   |  |   |                           |  |  |  |
| Memory cache                                  | 8 KB internal (no L2 cache   | e)                                     |   |                           |  |  |  |
| Coprocessor socket                            | No `   | ,                                      |   |                           |  |  |  |
| Diskette drive                                | · ` `  | ne as ThinkPad 710T and 730T           | E)  |                           |  |  |  |
| Price (retail USD)                            | \$2,569  | \$2,879                                | \$3,119   | \$3,429                   |  |  |  |
| Type - model<br>Hard drive - size             | 2524-801<br>Option (required   | 2524-901<br>Option (required           | 2524-80F<br>105 MB PCMCIA                           | 2524-90F<br>105 MB PCMCIA |  |  |  |
| Hard drive - speed                            | via PCMCIA disk)   | via PCMCIA disk)                       | 15 ms   | 15 ms                     |  |  |  |
| Preinstalled software                         | N/A  | N/A                                    | IBM DOS 6.3   | IBM DOS 6.3               |  |  |  |
| Assault (south description                    | M4004 / Ive 4000   | Maria 4004 / June 2 4000               | Windows for Pen Computing                           | Windows for Pen Computing |  |  |  |
| Avail / withdrawn date                        | May 1994 / June 1996   | May 1994 / June 1996                   | May 1994 / June 1996                                | May 1994 / June 1996      |  |  |  |
| Memory - std / max<br>Mem - sockets empty     | 4 / 20 MB  | 8 / 24 MB                              | 4 / 20 MB<br>a Type I or II PCMCIA card in re       | 8 / 24 MB                 |  |  |  |
| Memory - type                                 | 70 ns / non-parity / 5.0 vol   | Sword slot, triis wiii triefi perifiit | a Type for it Follow Card it le                     | ist of slot               |  |  |  |
| Memory - options                              | 4, 8, 16 MB ICs  | •                                      |   |                           |  |  |  |
| Display - type                                | VGA 640 x 480 monochro   |  | 480 with 16 colors)                                 |                           |  |  |  |
| Display - grey scales                         | 16 grey scales   | (Simultaneous LCD and (                | CRT display)  |                           |  |  |  |
| Display - techology<br>Display - light source | STN Transflective LCD - Backlit  Transflective: can turn on backlight in   |  |   |                           |  |  |  |
| Display - size (diag)                         | 9.5 inch dark areas or turn it off in bright areas   |  |   |                           |  |  |  |
| Display - contrast ratio                      | 3 to 1   |  |   |                           |  |  |  |
| Keyboard                                      | External (any IBM keyboard is supported; attach to port replicator)  |  |   |                           |  |  |  |
| Mouse/pointing                                | Electromagnetic pen/digitizer/stylus that realistically simulates the feel of pen-to-paper / untethered / batteryless (a mouse is not supported) / stylus is stored in a compartment on bottom |  |   |                           |  |  |  |
| Dimensions                                    | 10.6 x 8.3 x 1.4"  | 77 Stylus is stored in a comparti      | ien di bottom                                       |                           |  |  |  |
| Cubic inches                                  | 123 inches   |  |   |                           |  |  |  |
| Carrying case                                 | Blk nylon standard (many   | options also available)                |   |                           |  |  |  |
| Color   | Black  |  |   |                           |  |  |  |
| Weight (with battery)                         | 3.5 pounds (1 battery); 3.9  | pounds (2 batteries)                   |   |                           |  |  |  |
| Battery - type<br>Battery - quantity          | Nickel hydride (NiMH) Two hatteries ship standa  | rd / can use one or two batteries      | A false battery pack ships standard if only want to |                           |  |  |  |
| Batt - life (per battery)                     | 1 battery: 2 to 5 hours  | a / carrase one or two batteries       | use one battery                                     |                           |  |  |  |
|   | 2 battery: 4 to 10 hours   |  | ,   |                           |  |  |  |
| Charge time - on / off                        | N/A / 1.5 hours (unit off or   | suspend only)                          |   |                           |  |  |  |
| Architecture                                  | Local memory bus / ISA   |  |   |                           |  |  |  |
| Docking Station<br>Port replicator            | No<br>Yes (ships standard / attac  | ch to 200 nin connector)               |   |                           |  |  |  |
| Torrophoator                                  |  |  | in 16550A serial port, 3 25 pin E                   | PP parallel port,         |  |  |  |
|   | <ul><li>diskette drive connector</li></ul>   | r, ⑤ keyboard port, ⑥ DC port fo       | r AC connector                                      |                           |  |  |  |
| Modem/serial slot<br>PCMCIA 2.01 slots        | No (use PCMCIA)  3 Type II or 2 Type III as follows:   |  |   |                           |  |  |  |
| 1 GIVIGIA 2.01 SIGIS                          |  |  | emory must go into this slot; so                    | adding IC DRAM            |  |  |  |
|   | memory w   | ill leave 1 Tỳpe II sĺot remaining     |   | •                         |  |  |  |
| Carial /manallal magic                        |  |  | sk in Models 80F/90F is installed                   | d here)                   |  |  |  |
| Serial / parallel ports                       | Yes (on Port Replicator) /   | <u> </u>                               |   |                           |  |  |  |
| Warranty                                      | 3 year - ThinkPad EasySe   | 5t∧. <sub>™</sub>                      |   |                           |  |  |  |

The ThinkPad 730T requires a bootable operating system with Pen capability.

Supported is:

PenDOS® 2.2 with IBM DOS 6.3
84G9180 - PCMCIA HDD 105 MB PenDOS preloaded
Pen for OS/2 1.0 with OS/2® 2.11
84G9190 - PCMCIA HDD 105 MB Pen for OS/2 preloaded
Windows for Pen Computing® 3.1 with IBM DOS 6.3
Models 80F/90F are preloaded with Windows for Pen Computing
PenRight!® (available at dealers)

PCMCIA SLOT CONFIGURATION
Two Type III (10 mm high):

IC DRAM only
PCMCIA Type III
260 MB disk in this slot (Model B0F)

| 105 MB HDD (PenOS2) 84G9190 Hand Strap 84G0495 Soft Case 84G0490 Battery Case 84G0500  24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM warranty/service 30 day money back guarantee |
|--|
|--|

#### IIX ThinkPad 730TE - withdrawn

| IBM® ThinkPad®:  |  | The 730TE is the same as the 730T (older models) except:  |
|--|--|---|
| Processor  | IntelDX4™ 75/25 MHz  | 730T 730TE  |
| Memory cache<br>Coprocessor socket<br>Diskette drive   | 16 KB in DX4 (no L2 cache)<br>N/A; standard in IntelDX4<br>Optional 3.5" 1.44 MB (same as ThinkPad 710T and 730T)  | → 486SX - 33 MHz     → 105 MB disk preloads     → 105 mB disk preloads |
| Price (retail USD) Type - model Part number Hard drive - size Hard drive - speed Preinstalled software                                   | N/A IBM DOS 7.0 Windows for Pen Computing  | door for pen  |
| Avail / withdrawn date   | Oct 1995 / July 1997 October 1995 / July 1997  |   |
| Memory - std / max<br>Mem - sockets empty<br>Memory - type<br>Memory - options   | 8 / 24 MB Uses a specific Type III PCMCIA slot; this will then permit a T 70 ns / non-parity / 5.0 volt 4, 8, 16 MB ICs  | ype I or II PCMCIA card in rest of slot   |
| Display - type<br>Display - grey scales<br>Display - techology<br>Display - light source<br>Display - size (diag)<br>Graphics controller | VGA 640 x 480 monochrome 16 grey scales STN Transflective LCD - Backlit 9.5 inch / 3 to 1 contrast ratio Western Digital WD90C24A / VL-Bus 2.0 local bus / 1 MB DR   | display) backlight in right areas   |
| Keyboard<br>Mouse/pointing   | External (any IBM keyboard is supported; attach to port replic<br>Electromagnetic pen/digitizer/stylus that realistically simulates<br>(a mouse is not supported) / stylus is stored in a compartment  | s the feel of pen-to-paper / untethered / batteryless   |
| Dimensions Cubic inches Carrying case Color Weight (with battery)  | 10.6 x 8.3 x 1.4" 123 inches Blk nylon standard (many options also available) Black 3.5 pounds (1 battery); 3.9 pounds (2 batteries)   |   |
| Battery - type<br>Battery - quantity<br>Batt - life (per battery)  | Nickel hydride (NiMH) Two batteries ship standard / can use one or two batteries 1 battery: 1.65 to 5 hours 2 battery: 3.3 to 10 hours N/A / 1.5 hours (unit off or suspend only)  | A false battery pack ships standard if only want to use one battery   |
| Architecture Docking Station Port replicator   | Local memory bus / ISA No Yes (ships standard / attach to 200 pin connector) Port Replicator includes ① 15 pin external CRT port, ② 9 pin 1  | 6550A serial port, ③ 25 pin EPP parallel port,  |
| Modem/serial slot<br>PCMCIA™ 2.1 slots   | <ul> <li>diskette drive connector, skeyboard port, DC port for ACNo (use PCMCIA)</li> <li>Type II or 2 Type III as follows:         <ul> <li>1st slot: 2 Type II or 1 Type III (but any additional mem memory will leave 1 Type II slot remaining)</li> <li>2nd slot: 2 Type II or 1 Type III (260 MB PCMCIA disk in the point of th</li></ul></li></ul> | ory must go into this slot; so adding IC DRAM   |
| Serial / parallel ports<br>Security  | Yes (on Port Replicator) / Yes (on Port Replicator) Power-on password  | TIMOGOL DOL 13 III Stalled Hele)  |
| Warranty   | 3 year - ThinkPad EasyServ™ (Optional Overnight Repair Op  | tion)   |

The ThinkPad 730T requires a bootable operating system with Pen capability. Supported is:

- PenDOS® 2.2 with IBM DOS 7.0
  39H6014 PCMCIA HDD 260 MB PenDOS preloaded
  Pen for OS/2 1.03 with OS/2® Warp
  39H6017 PCMCIA HDD 260 MB Pen for OS/2 preloaded
  Windows for Pen Computing® 1.0 with IBM DOS 7.0/Windows 3.11
  Model B0F is preloaded with Windows for Pen Computing
  PenRight! ® (available at dealers)

| PCMCIA SLOT CONFIGURATION  |                 |  |  |  |  |  |
|----------------------------|-----------------|--|--|--|--|--|
| Two Type III (10 mm high): |                 |  |  |  |  |  |
| IC DRAM only               |                 |  |  |  |  |  |
|                            | DCMCIA Tuno III |  |  |  |  |  |

PCMCIA Type III 260 MB disk in this slot (Model B0F)

| Quick Charger<br>Car Battery Adapter                         | 66G9540<br>66G9545            | 260 MB HDD PCMCIA Type III (Blank)<br>260 MB HDD PCMCIA Type III (Warp for Pen)                             | 06H9077<br>39H6017                       | FEATURES OF THINKPAD 730TE   |
|--|-------------------------------|---|--|--|
| NiMH Battery (dual)<br>AC Adapter 20 watts<br>PortReplicator | 66G9550<br>84G0480<br>84G0485 | 260 MB HDD PCMCIA Type III (PenDOS)<br>4 MB IC DRAM 70 ns 5v non-parity<br>8 MB IC DRAM 70 ns 5v non-parity | 39H6014<br>92G7236<br>92G7237<br>92G7424 | Suspend/resume mode Battery life indicator Non-disruptive battery exchange   |
| External 3.5" 1.44 MB<br>diskette drive                      | 48G8263<br>84G0495            | 16 MB IC DRAM 70 ns 5v non-parity   | 92G/424                                  | US EPA Energy Star compliant 3 year warranty   |
| Hand Strap<br>Soft Case<br>Battery Case                      | 84G0495<br>84G0500            |   |  | International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM warranty/service 30 day money back guarantee |

| IBM <sup>®</sup> ThinkPad <sup>®</sup> :  | ≈ 750   | ≈ 750Cs  | ≈ 750C  |  | → Traveling Multimedia preconfigured system   |  |  |  |
|---|---|--|---|--|---|--|--|--|
| Processor type Processor speed Memory cache Coprocessor socket Diskette drive   | monochrome  All: 80486 SL with mat  All: 33 MHz  All: 8 KB internal  All: N/A (std in 486SL)  All: 3.5" 2.88 MB O         | h co The removed optional 'FDD \$135) to the ①   |   |  |   |  |  |  |
| Display - type Display - grey scales Display - techology Display - light source Display - size (diag) Display - contrast ratio 180 degree display tilt Memory - std / max Mem - sockets empty | \$ 3,199 \$ 3,749 9545-008 170 MB   | VGA color<br>256 colors 640x480<br>STN - passive matrix<br>LCD - Sidelit<br>9.5 inch Dual scan<br>20 to 1<br>Yes (external SVGA)<br>Additional video feature<br>controller is Western Di | \$ 4,699   \$ 5,249   9545-308   170 MB   14 ms   14 ms   256 colors 640x480   Thin film transistor   Active matrix   10.4 inch   100 to 1   Yes (external SVGA)   es for all: 1 MB DRAM viegital WD90C24 / Acceler | VGA mono<br>64 grey scales<br>STN - pen enabled<br>LCD - Sidelit<br>9.5 inch<br>18 to 1<br>Yes (external SVGA)<br>deo memory / Video<br>ator / 16 bit AT bus / | listed on left) - 340MB removable hard disk - 12 MB memory (4 MB std + 8 MB IC DRAM card) - 14.4 Data/Fax |  |  |  |
| SIMM/ICs available Keyboard / # of keys Keyboard slope Mouse/pointing Ext keyboard support  | All: 2, 4, 8, 16 MB ICs  All: Full size alp/num/ 8  All: Yes (legs pop out)  All: TrackPoint II  All: Yes (with option ca | <ul><li>1 Fuel guage</li><li>2 Standby mo</li></ul>  | speed and Kodak<br>Photo CD<br>multisession<br>- Dock I Carrying Case   |  |   |  |  |  |
| Dimensions Cubic inches Carrying case Color Weight (with battery)   | 11.7 x 8.3 x 1.7"<br>165 inches<br>Blk nylon (option)<br>Black<br>5.5 pounds  | 11.7 x 8.3 x 2.0"<br>194 inches<br>Blk nylon (option)<br>Black<br>6.2 pounds   | 11.7 x 8.3 x 2.0"<br>194 inches<br>Blk nylon (option)<br>Black<br>6.4 pounds  | 11.7 x 8.3 x 2.1"<br>204 inches<br>Blk nylon (option)<br>Black<br>6.6 pounds   | Software: - Windows 3.1 - Asymetrix COMPEL™ (on screen multimedia presentations)                          |  |  |  |
| Battery - type<br>Batt - life (per battery)<br>Charge time - on / off   | Nickel hydride (smart)<br>5.3 to 12 hours<br>1.5 hrs / 1.5 hrs  | Nickel hydride (smart)<br>3.5 to 8 hours<br>2.0 hrs / 1.5 hrs  | Nickel hydride (smart)<br>3.4 to 8 hours<br>2.0 hrs / 1.5 hrs   | Nickel hydride (smart)<br>5.1 to 12 hours<br>1.5 hrs / 1.5 hrs   | - Asymetrix MediaBlitz!<br>(library of media clips)<br>- LapLink™ V                                       |  |  |  |
| Architecture (ext port) Docking Station Port replicator PCMCIA 2.01 slots Serial / parallel ports   | All: AT bus (with extern All: Yes (Dock I and II I All: 2 types (below) All: 2 Type I or 2 Type All: Yes (one 9 pin) / F  | nal port) Diskette drive<br>cellular moder<br>TV and VCR p   | (file transfer via cable or modem) - Delrina WinFax PRO (fax software)  ALL 750 MODELS  Liftable (pop-up) keyboard to access diskette drive, disk, battery, and memory  |  |   |  |  |  |
| Other features Audio support Audio in/out jacks Security  | All: BIOS/Easy Set up/ All: 16 bit audio chip or All: Input jack supports All: Hardware security                          | Diagnostics in FLASH El<br>n planar with Mwave aud<br>microphone / Output ja<br>loop / Power-on passwor  |   |  |   |  |  |  |
| Preinstalled software Warranty The 700/720 family had   | DOS 6.1, PRODIGY®<br>Online info, demo<br>3 year - carry in or<br>EasyServ (opt onsite)                                   | ne info, demo Online info, demo 3 year - carry in or Online info, demo 3 year - carry in or Online info, demo 3 year - carry in or 3 year - carry in or                                  |   |  |   |  |  |  |

The 700/720 family hard disks, batteries, and docking station are NOT compatible with 750. The 700/720 memory IS compatible with 750

#### Dock I (Docking Station) \$685

SCSI-1 controller; two stereo speakers; One full-size 16 bit AT bus slot; 6.0 pounds; One bay (slim high 1") for 3.5" or 5.25" devices Can house removable disk from 360/750/755; Replication of ports on back of 360750/755; Additional ports: SCSI, audio, speaker, video in, diskette, headphone jack; handle/palm rest;

#### Dock II (Docking Station) \$719

SCSI-2 Fast controller; two stereo speakers; Two full-size 16 bit AT bus slots; 17.6 pounds; Two 5.25" bays (1" high (SL) and 1.5" high HH); Can house removable disk from 360/750/755; Two PCMCIA slots (Type II and III); Many ports including audio, diskette, SCSI; Plug and Play ready

#### Port Replicator Model I \$

2 Type I or 2 Type II or 1 Type III PCMCIA slots Provides cable management because all the cables attach to Replicator, not the ThinkPad Replication of Ports: mouse, keyboard, SVGA, parallel port, serial, diskette port, DC power

**Port Replicator Model II** \$109 Same as Model I except *no* PCMCIA slots

#### **750 MONOCHROME**

Upgradeable to  ${\tt @}$  monochrome pen enabled screen (same as 750P), or  ${\tt @}$  10.4" TFT color

#### 750Cs DUAL SCAN COLOR

Dual scan passive matrix color screen

#### **750C ACTIVE MATRIX COLOR**

Largest 10.4" active matrix color screen

#### **750P CONVERTIBLE PEN**

Same display as the 750 monochrome. Can be used in normal upright position or folded down into a position suitable for writing via the standard untethered stylus.

# Cellular Digital Packet Data (CDPD) Mobile Communications Module

Provides transmission of analog and digital data using a cellular telephone.

Supported on 750, 750Cs, 750C (not 750P). High speed 14.4 bps data/fax modem, AMPS cellular, and CDPD transceiver; wire or wireless; available April 1994; \$1,999

Many other options available from IBM

#### **FEATURES OF ALL 750 FAMILY**

3 year international warranty
16 bit audio chip on planar (Mwave™)
Headphone (out)/microphone (in) audio jacks
Removable and upgradeable hard disks
Removable diskette drive

Pressure activated TrackPoint II
Std intelligent battery with built in processor for accurate monitoring on screen

Discharge battery via mouse click Quick Charger holds 2 batt; discharge button Non-disruptive battery exchange

Standby / suspend / hibernation modes Hibernation mode saves memory to the hard disk and shuts system off

Selectable boot

US EPA Energy Star compliant Personalized nameplate in molded indention Coupon book with \$4,000 in savings

IBM or dealer warranty/service
30 day money back guarantee

24 hour / 7 day fax support 24 hour / 7 day bulletin board support 24 hour / 7 day telephone support

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back within 4 business days (no shipping charges, most shipping is overnight). 
■ Upgradeable; 
= Removable; 
Price decrease effective October 17, 1994

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#### **試 ThinkPad 755 - withdrawn**

| IBM® ThinkPad®:  | >∹755Cs  |  | ×755C  |   | ★Traveling Multimedia   |  |  |  |
|--|--|--|--|---|---|--|--|--|
|  | dual scan color  |  | TFT color  |   | preconfigured system  |  |  |  |
| Processor type Processor speed Memory cache Coprocessor socket Removable diskette  | 8 KB internal (no L2)<br>N/A (std in 486DX2)   | InteIDX4<br>75/25 MHz 3.3 volt<br>16 KB internal (no L2)<br>N/A (std in 486DX4)<br>3.5" 1.44 MB () | 8 KB internal (no L2)<br>N/A (std in 486DX2)<br>3.5" 1.44 MB 〇   | IntelDX4 75/25 MHz 3.3 volt 16 KB internal (no L2) N/A (std in 486DX4) 3.5" 1.44 MB O         | A preconfigured,<br>multimedia <b>755C</b> ;<br>Available June 94;<br>withdrawn Dec 95<br>Part #2337289 |  |  |  |
| Price (retail USD) Type - model <b>all 9545</b> Removable disk - size Hard disk - speed ms Avail / withdrawn date  | EOC EOE EOG 170 340 15 14 0 14 0   | \$3,899 \$4,399 \$4,799<br>K0C K0E K0G<br><b>170  340  540 </b> 114<br>Jun 94 / May 95             | FOC FOE FOG   170  | \$3,399 \$3,699 \$3,999 LOC LOE LOG 170 14 0 14 0 Jun 94 / Dec 95                             | \$ 6,399 • Included with the IBM Traveling Multimedia: Hardware:  |  |  |  |
| Display - type<br>Display - colors<br>Display - techology<br>Display - light source<br>Display - size (diag)<br>Display - contrast ratio   | VGA color<br>256 colors 640x480 (palle<br>STN - passive matrix<br>LCD - Sidelit<br>9.5 inch <b>Dual scan</b><br>20 to 1  | ette of 4096 colors)   | VGA color<br>256 colors 640x480 (pall<br>TFT - active matrix<br>LCD - Backlit<br>10.4 inch<br>100 to 1 | ette of 262,144 colors)   | - 540 MB removable<br>hard disk<br>- 8 MB memory (4 MB  |  |  |  |
| Graphics - controller<br>Graphics - vendor<br>Graph - arch/data path   | All: WD90C24A or WD90<br>All: Western Digital / Exte<br>All: VL-Bus / 32 bit VESA  |  | std + 4 MB DIMM on<br>Memory Adapter)<br>- 14.4 Data/Fax<br>modem (PCMCIA)                             |   |   |  |  |  |
| Memory - std / max<br>Mem - sockets empty  | All: 1 socket (parity)   | mory card for 20 MB<br>B with 4 or 16 MB<br>dule Adapter.  | - Dock I (Docking<br>Station)<br>- CD-ROM/XA - double  |   |   |  |  |  |
|  | All: 2, 4, 8, 16, 32 MB ICs  | or 4, 16 MB DIMMs that   | works on optional Memo   | ry Module Adapter   | speed and Kodak<br>Photo CD   |  |  |  |
| Keyboard / # of keys Fn key functions Keyboard slope Mouse/pointing Ext keyboard support   | All: Full size alp/num/ 85<br>All: 8 (in any appl)<br>All: Yes (legs pop out)<br>All: <b>TrackPoint II</b> ™<br>All: Yes (with option cable  |  | ndby Fn + F8, F<br>spend Fn + F11 :<br>dio decrease Fn + F12 :   | = Ext display/LCD<br>59, F10 = (reserved)<br>= Power mgmt<br>= Hibernation mode               | Photo CD<br>multisession<br>- Dock I Carrying Case<br>- Interlink <sup>®</sup> ProPoint™                |  |  |  |
| Dimensions<br>Color<br>Weight (with battery)   | All: 11.7 x 8.3 x 2.0" (194<br>All: Black<br>6.1 pounds  | cubic inches) Easy-  |  | Intelligent battery with a  | Software - same as 7550 plus: - Asymetrix®COMPEL™   |  |  |  |
| Battery - type Batt - life (per battery) Charge time - on / off  | Nickel hydride (smart)<br>4 to 8 hours<br>2 hrs / 1.5 hrs  |  | Nickel hydride (smart) 3.1 to 8 hours  | orocessor to allow<br>accurate monitoring of<br>battery condition and<br>accurate fuel guage. | - Asymetrix MediaBlitz!<br>(library of media clips)<br>- LapLink™ V<br>- Picture Factory™               |  |  |  |
| Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features  | itecture  All: AT bus (ISA)  Diskette drive can be removed ① to reduce weight, ② to insert - cellular modem (CDPD), ③ to insert TV Tuner (for on screen TV - and VCR playback), or ④ to add other third party options.    CIA™ 2.1 slots   All:   2 Type   or 2 Type   or 1 Type   II    All: Yes (one 9 pin; 16550A) / Enhanced Parallel Port (EPP); non-DMA  |  |  |   |   |  |  |  |
| Audio support<br>Audio in/out jacks<br>Security  | All: APM-aware BIOS / Hibérnation mode / Wallmount A/C ádapter (40 watts) / Selectable boot  All: 16 bit audio chip on planar / Crystal Semiconductor CS4248 / Internal speaker and microphone  All: Input jack supports microphone / Output jack supports headphone or stereo speakers  All: Power-on password / Hard disk password / Supervisor password (for hardware config changes) / Hardware security loop / PCMCIA card lock / (Security Base optional)  ALL 755 MODELS  Liftable (pop-up)  keyboard to access and remove diskette drive, disk, battery, |  |  |   |   |  |  |  |
| Preinstalled software  All: IBM DOS 6.3, Windows 3.1, Demo, and 8 applications: ① Lotus® cc:Mail, e-mail for Advantis® network, ② Lotus Organizer 1.12, ③ Lotus ScreenCam 1.0, ④ Official Airline Guide Flight Disk® 1.0, ⑤ Triton CoSessions™ Host, ⑥ PRODIGY® ⑦ America Online™, ⑥ SofNet FaxWorks™ 3.0  Warranty  All: IBM DOS 6.3, Windows 3.1, Demo, and 8 applications: ① Lotus® cc:Mail, e-mail for Advantis® network, ② Lotus Organizer 1.12, ③ Lotus ScreenCam 1.0, ④ Official Airline Guide Flight Disk® 1.0, ⑤ Triton CoSessions™ Host, ⑥ PRODIGY® ⑦ America Online™, ⑥ SofNet FaxWorks™ 3.0  The removed diskette drive can be used externally via the optional 'FDD External Kit' (includes cable and enclosure; \$135) to the Port Replicator Model I and II and Dock I. |  |  |  |   |   |  |  |  |
| Dock I (Docking Stat   | ion) \$685   | The ThinkPad 755 fan options of the ThinkPa  | nily supports all of the   | Cellular Digital Pack   |   |  |  |  |

SCSI-1 controller; two stereo speakers; One full-size 16 bit AT bus slot; 6.0 pounds; One bay (slim high 1") for 3.5" or 5.25" devices Can house removable disk from 360/750/755; Replication of ports on back of 360/750/755;

Additional ports: SCSI, audio, speaker, video in, diskette, headphone jack; handle/palm rest;

Dock II (Docking Station)

SCSI-2 Fast controller; two stereo speakers; Two full-size 16 bit AT bus slots; 17.6 pounds; Two 5.25" bays (1" high (SL) and 1.5" high HH); Two PCMCIÁ slòts (Typè II and III); Many ports including audio, diskette, SCSI; Plug and Play ready

#### Port Replicator Model I \$299

2 Type I or 2 Type II or 1 Type III PCMCIA slots Provides cable management because all the cables attach to Replicator, not the ThinkPad Replication of Ports: mouse, keyboard, SVGA, parallel port, serial, diskette port, DC power

Port Replicator Model II Same as Model I except no PCMCIA slots Compatible in 360, 750, and 755 family:

- Hard disks (170, 250, 340, 540, 810 MB)
- Batteries (see below)
- Dock I and Dock II
- Diskette drive Port Replicator I - AC Adapter
- Port Replicator II Quick Charger
- CDPD Mobile Module (not pen models)

ThinkPad IC memory for 700, 720, 750, and 755 are all compatible.

The 700 and 720 family hard disks, batteries, and docking station are NOT compatible with 750 or 755 family.

Battery compatibility:

360 750 755 Ν

N Y

84G2392 360 NiMH battery 66G2846 750 NiMH battery

Y = battery supported; N = not supported

Winstone 94 for 755C DX4 = 37.8

Mobile Communications Module\$1,999 Provides transmission of analog and digital data using a cellular telephone. Supported on all 360/750/755 (except 750P).

14.4 bps data/fax modem, AMPS cellular, and CDPD transceiver; wire or wireless.

#### FEATURES OF ALL 750 and 755 FAMILY

Discharge battery via mouse click Quick Charger holds 2 batt; discharge button Battery life indicator

Non-disruptive battery exchange Standby / suspend / hibernation modes EasyPlaying (PC Card Director™) preinstalled and included on Utility Diskette (755 only) US EPA Energy Star compliant

Personalized nameplate in molded indention

International travelers warranty IBM or dealer warranty/service 30 day money back guarantee

24 hour / 7 day fax support 24 hour / 7 day bulletin board support 24 hour / 7 day telephone support

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at 

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(755THINK) Compiled by Roger Dodson, IBM. December 1995

#### III ThinkPad 755CSE / CE - withdrawn

| IBM® ThinkPad®:   | 755CSE   | ≈ 755CE  | ThinkPad 755CSE / CE strengths:   |
|---|--|--|---|
|   | dual scan color  | TFT color  | DSP with audio, data/fax modem, telephony   |
| Processor type Processor speed Processor / L2 upgrade Removable diskette Removable CD-ROM   | InteIDX4ä / no L2 cache 100/33 MHz / 3.3 volt Pentium 75/50 MHz which includes 256 KB / write-through / direct r Internal 3.5" 1.44 MB O / supports in Supports PCMCIA Cartridge, TV Tu Not supported (Diskette bay is calle   | napped / 12 ns / soldered<br>hternal 2.88 MB diskette<br>ner, or CDPD in diskette bay  | <ul> <li>Infrared communication</li> <li>Color: 10.4 dual scan or 10.4 Black Matrix TFT</li> <li>Removable disk and diskette</li> <li>Liftable keyboard and TrackPoint III</li> <li>Upgrade to Pentium with L2 cache</li> </ul> Integrated Mwave™ DSP provides: |
| Price (retail USD) Type - model Removable disk - size Removable disk - spd Available date Display - type Display - colors Display - techology | \$3,499 \ \$3,849 \ \$9545-6BD   9545-6BD   9545-6BD   9545-6BD   810 MB   14 ms   Nov 1994   Nov 1994   Nov 1994   VGA color / 640 x 480   256 simultaneous colors   Dual scan   10.4 inch / 20 to 1 contrast ratio   | \$4,299 \( \) \$4,649 \( \) 9545-7BC 9545-7BD 9544 810 14 ms \( \)   | 1 Data modem function  - V.22bis (2400 bps)  - V.32 (9600 bps)  - V.32bis (14.4 Kbps)  Fax modem function  - G3 fax send/receive (14.4 Kbps)  Audio function  - Stereo waveform record and playback   |
| Graphics - controller<br>Graphics - vendor<br>Graph - arch/data path  | WD90C24A2 with 1 MB DRAM<br>Western Digital / External SVGA to<br>VL-Bus 2.0 local bus / 32 bit / Simu   | 1024 x 768 w/ 256 colors (up to<br>taneous LCD and CRT / 180 de  | - 32 voice MIDI wave table synthesizer - SoundBlaster™ support - Text to speech (via Monologue)  (1) Telephone function   |
| Memory - std / max<br>Mem - sockets empty<br>Mem-options available  | 8 MB / 40 MB 70 ns / <b>parity</b> / 5 vol<br>1 socket<br>2, 4, 8, 16, 32 MB ICs or 4, 8, 16 MB D<br>work on optional Memory Module  | ① 1 open socket for IMMs that ory card for 20 MB r Adapter ② new DIMM technology   | ria - Full telephone (can use opt headset) - Telephone answering machine - Full duplex speakerphone ology for Software upgradeable (28.8 and DSVD)  |
| Keyboard / # of keys<br>Keyboard slope<br>Mouse/pointing<br>Ext keyboard support  | Full size alp/num / 85 (8 Fn key fun<br>Yes (legs pop out)<br>TrackPoint III™<br>Yes (with option cable)   | max of 40 MB with 4<br>16 MB JEDEC 72 p<br>DIMMs on optional I<br>Module Adapter.  | in SO PREINSTALLED APPLICATIONS   |
| Dimensions<br>Color<br>Weight (with battery)  | 11.7 x 8.3 x 1.96" (190 cubic inches<br>Black<br>6.4 pounds  | Liftable (pop-up) keyboal  | ODELS  - OS/2 Warp 3.0 (dual boot) w/ BonusPak - CompuServe Info Mgr™, IBM Works - Internet Connection, Person to Person  |
| Battery - type Battery - life Charge time - on / off  | Nickel hydride (NiMH) / intelligent<br>3.3 to 10 hours<br>1.7 hrs / 1.2 hrs  | access and remove diske<br>disk, battery, and memor  | Eox/Morkoth MMA Morkoth   |
| Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features   | AT bus (ISA) Dock I and II Port Replicator I and II 2 Type I or 2 Type II or 1 Type III One 9 pin; 16550A / Enhanced Para APM-aware BIOS / Wallmount A/C a   |  | cessor to f battery guage.  - Online Users Guide - ThinkPad features 1. Lotus® cc:Mail™, e-mail for Advantis® network 2. Lotus Organizer™ 1.12 3. Lotus ScreenCam™ 1.0  |
| DSP function Data/fax modem Audio support  Audio in/out jacks Telephone   | Mwave MDSP2780 DSP with mode Data/fax modern function via DSP 16 bit audio chip on planar with N Internal speaker (with dial volume Input jack / output jack supports Telephone / answering machine / full control of the control of th | 5. PRODIGY®; 6. America Online® 7. SofNet FaxWorks™ Voice™ 3.0 8. Video For Windows™ 1.1 Runtime 9. Monologue (text to speech) 10. Puma TranXit™ (infrared function) |   |
| Infrared ports Security   | Infrared ports (front and back) / Ir<br>Power-on password / Hard disk pas<br>security loop / Keyboard lock / lockir<br>MicroSaver™ cable lock) / PCMCIA  | Hardware 12. AlphaNet™ FollowFax™  |   |
| Preinstalled software<br>Warranty   | IBM DOS 6.3, Windows™ 3.11, OS/<br>3 year - carry in or EasyServ (option   | 2 Warp 3.0, and all appls listed t   | 15. Addione Tarkworks 16. Reuters Money Network 17. Mwave Sampler (CD)  |
| The removed diskette  | drive can be used Compat   | ble in all ThinkPad 360 family 7   | 750 FEATURES OF 755CSE / CE MODELS  |

| The removed diskette drive can be used externally via the optional 'FDD External Kit' (includes cable and enclosure) to the Port Replicator Model I and II and Dock I and II.   |  |  |  |  |  |
|---|--|--|--|--|--|
| Diskette drive can be removed (from UltraBay™)  ① to reduce weight ② to insert cellular modem (CDPD) ③ to insert TV Tuner (for on screen TV and VCR playback) ④ to insert PCMCIA Cartridge (Type I, II, or III) ⑤ to insert 2.88 MB diskette ⑥ to add other third party options |  |  |  |  |  |
| Options for 755CSE / CE:  |  |  |  |  |  |
| NiMH Battery Pack II     760 NiMH Battery (black)     TV Tuner (CE only)     FDD External Attachment Kit  | 85G1513<br>41H9720<br>66G3689<br>66G3618 |  |  |  |  |

Memory Module Adapter 4 MB SO DIMM parity

8 MB SO DIMM parity 16 MB SO DIMM parity Compatible in all ThinkPad 360 family, 750 family, 755 family:
- Disks: 170 MB IDE 66G2847/9

| _ | DISKS.   | 170 MD IDE             | 00020777 |
|---|----------|------------------------|----------|
|   |          | 250 MB IDE             | 84G2391  |
|   |          | 340 MB IDE             | 66G2849  |
|   |          | 540 MB IDE             | 84G2150  |
|   |          | 810 MB IDE             | 84G8250  |
| - | Dock I   | (1 slot / 1 bay)       | 3545001  |
| - | Dock II  | (2 slot / 2 bay)       | 3546001  |
| - | Port Rep | olicator I (w/ PCMCIA) | 66G3510  |
| - | Port Rep | olicator II`           | 66G3520  |
| - | 1.44 MĖ  | std in newe            |          |
| - | 2.88 MB  | diskette               | 66G0108  |
| l |          |                        |          |

Options for 755CSE / CE:

PCMCIA Cartridge 84G1301
Pentium/L2 upgrade 85G8609

ThinkPad IC DRAM memory for 700, 720, 750, 755 families are all compatible

#### FEATURES OF 755CSE / CE MODELS

Discharge battery via mouse click
Battery life indicator
Non-disruptive battery exchange
Standby, suspend, and hibernation modes
US EPA Energy Star compliant
Personalized nameplate in molded indention
Personalization screen at startup
SelectaSystem™ capability to select operating
system choice
3 year warranty

International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM or dealer warranty/service Online Housecall (remote diagnostics) 30 day money back guarantee

Withdrawn from marketing effective December 1995

84G2151

92G7253

92G7255

92G7257

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## IIM ThinkPad 755CX - withdrawn

| IBM <sup>®</sup> ThinkPad <sup>®</sup> :   | <b>≈ 755CX</b> No DSP - 640 x   | 480   |   | <b>≈ 755CX</b> DSP - 800 x  | 600   |  |   | ThinkPad 755CE except includes:  |  |  |
|--|---|---|---|---|---|--|---|--|--|--|
| Processor type Coprocessor socket L2 cache Removable diskette Removable CD-ROM   | Pentium® 75/50<br>N/A (standard in<br>256 KB / write-th<br>Internal 3.5" 1.44<br>Supports PCMC<br>Not supported | MHz<br>Pentium)<br>rough / dire<br>I MB ○ / su<br>IA Cartridg                         | ipports i<br>e or CD  | oed / 12 ns / s<br>nternal 2.88 N   | soldered<br>MB diskette<br>e bay                                    |  | <ul><li>⇒ 256 KE</li><li>⇒ SVGA</li><li>⇒ Non-pa</li><li>⇒ Lithiur</li></ul>                        | <ul> <li>Pentium 75/50 MHz</li> <li>256 KB L2 cache</li> <li>SVGA 800 x 600 LCD (on some models)</li> <li>Non-parity memory</li> <li>Lithium ion battery (on two models)</li> <li>DOS 7.0 (instead of DOS 6.3) and Mind Path Pr</li> </ul>   |  |  |
| Price (retail USD)<br>Type - model<br>Part number<br>Removable disk - size<br>Removable disk - spd<br>Avail / withdrawn date   | 14 ms O   | \$4,149 \$4,9545-SBK 85G1669 810 MB \$\bigsquare{1}{2}\$ 14 ms \$\omega\$ Jun 95 / Je |   | \$4,849<br>9545-HBD<br>85G8555<br><b>540 MB</b> 14 ms O<br>May 1995   | \$5,249<br>9545-HBE<br>85G8524<br><b>810 MB</b> 14 ms O<br>May 1995 | \$ 5,69<br>9545-1<br>85G75<br><b>1.2 GI</b><br>12 ms<br>Sept 9 | HBL<br>518<br><b>B</b> ○  | PREINSTALLED APPLICATIONS  - IBM DOS 7.0 SelectaSystem™ - Windows 3.11  - OS/2 Warp 3.0 (dual boot) w/ selected BonusPak   |  |  |
| Display - type<br>Display - colors<br>Display - techology<br>Display - diagonal size   | VGA color / 640<br>65,536 simultan<br>Black Matrix TF<br>10.4 inch / 100 to                                     | eous colo<br>T - active ı   | matrix  | •   | r / 800 x 600   | ast rati   | o   | IBM PC Card Directorä for PCMCIA     IBM ThinkPad Demo     Online Users Guide     ThinkPad features; Diskette Factory     Lotus® cc:Mail™, e-mail for Global®  |  |  |
| Graphics - controller<br>Graphics - vendor<br>Graph - arch/data path   | WD90C24A (Re<br>Western Digital /<br>VL-Bus 2.0 local   | External S  | SVGA to   | 1024 x 768 v  |   |  |   | network 2. Lotus Organizer™ 1.12 3. Lotus ScreenCam™ 1.0   |  |  |
| Memory - std / max<br>Mem - sockets empty<br>Mem-options available   | 2, 4, 8, 16, 32 Mi  | emory sup<br>3 ICs or 4,  | ported b<br>8,16 ME   | ut w/o parity)  | ② new DIMN  | cket fo<br>40 MB<br>/I techn                                   | r IC mem-<br>max or<br>ology for  | <ol> <li>Official Airline Guide<sup>®</sup> Flight Disk<sup>®</sup> 1.0</li> <li>Triton CoSession™ Host</li> <li>PRODIGY<sup>®</sup>; 7. America Online<sup>®</sup></li> <li>SofNet FaxWorks™ Voice™ 3.0</li> <li>Video For Windows™ 1.1 Puntime</li> </ol>  |  |  |
| Keyboard / # of keys<br>Keyboard slope<br>Mouse/pointing<br>Ext keyboard support   | Full size alp/num<br>Yes (legs pop ou<br><b>TrackPoint Ill</b> ™<br>Yes (with option                            | ıt)   | n key fun   | ections)  | max of 40 M<br>16 MB JEDE<br>DIMMs on o<br>Module Ada               | EC 72 potional   | oin SO  | <ol> <li>9. Video For Windows™ 1.1 Runtime</li> <li>10. Monologue (text to speech)</li> <li>11. Puma TranXit™ (infrared function)</li> <li>12. Taxi™</li> <li>13. Second Nature Screen Saver</li> </ol>  |  |  |
| Dimensions<br>Weight (with battery)  | 11.7 x 8.3 x 1.96<br>6.1 pounds   | " (190 cubi   | c inches  | s)  |   |  |   | 14. Farallon <sup>®</sup> Replica™<br>15. AlphaNet™ FollowFax™   |  |  |
| Battery - type<br>Battery - life<br>Charge time - on / off   | NiMH/intelligent<br>2.6 to 8 hours  | H/intelligent Lithium ion / intelligent   |   |   |   |  |   | 16. SÉDONA™ REPRINT™<br>17. COMPEL™ Personal Edition<br>18. Audiofile® TalkWorks™<br>19. Reuters™ Money® Network   |  |  |
| Architecture Docking Station Port replicator PCMCIA <sup>™</sup> 2.1 slots Serial / parallel ports Other features  |   | pe II or 1 T<br>OA / one (IE  | Intelligent battery with a processor to allow accurate monitoring of battery condition and accurate fuel guage. |   |   |  |   | 20. Mind Path™ Presentation F/X Pro  |  |  |
| Video function<br>DSP function<br>Data/fax modem<br>Audio support  | None<br>None (but can ord<br>None (but can ord<br>None (but can ord   | der DSP up  | grade)  | Data/fax mo   | odem function chip on pla   | on via<br>nar wi   | DSP<br>ith Mwave  | x, audio, telephony function  DSP rol) and internal microphone   |  |  |
| Audio in/out jacks Telephone Infrared ports  | None (but can ord<br>None (but can ord<br>Infrared ports (for power-on passw                                    | der DSP up<br>ront and k  | ograde)<br><b>back) / I</b> I   | Input jack so<br>Telephone (<br>RDA compat  | upports micro<br>w/opt heads<br>ible / up to 1                      | phone<br>et) / ans<br><b>15 kbs</b>                            | : / Output ja<br>swering ma<br>s  | ack supports headphone/speakers<br>achine / full duplex speakerphone   |  |  |
| Security   | security loop / Ke<br>PCMCIA card loo   | eyboard loo<br>ck   | ck / locki  | ng device ke  | yhole (Kensir   | ıgton™   | lock) /   | ThinkPad 755CX supported batteries:  |  |  |
| Preinstalled software<br>Warranty  | ware IBM DOS 7.0, Windows™ 3.11, OS/2 Warp<br>3 year - ThinkPad EasyServ (optional Ove                          |   |   |   |   |  |   | - NiMH Battery Pack II 85G15' - Lithium Ion 85G856 - Li-Ion Battery Pack II 29H932 - Travel Quick Charger 85G152   |  |  |
| Upgradeable or Integrated Mwave™ DSP provides:  ① Data modem function  |   |   | Compatible in all ThinkPad 360 family, 750 family, 755 family: - Disks: 170 MB IDE 66G2847                      |   |   |  |   | (for NiMH or Li-Ion)   |  |  |
| - V.22bis (2400 bps) - V.32 (9600 bps) - V.32 (9600 bps) - V.32bis (14.4 Kbps) <b>Fax modem function</b> - G3 fax send/receive (14.4 Kbps) <b>Audio function</b> - Stereo waveform record and playback - Qsound™ support (3-D effect) - 32 voice MIDI wave table synthesizer - SoundBlaster™ support - Text to speech (via Monologue) <b>Telephone function</b> - Full telephone (can use opt headset) - Telephone answering machine |   | sizer   | - Doc<br>- Doc<br>- Port<br>- 1.44<br>- 2.88<br>Option<br>- PCM   | 250 MB<br>340 MB<br>540 MB<br>810 MB<br>1.2 GB<br>k I (1 slot /<br>k II (2 slot /<br>Replicator II<br>Replicator II<br>MB diskette<br>MB diskette<br>s for 755CX: | IDE<br>IDE<br>IDE<br>IDE<br>IDE<br>1 bay)<br>2 bay)<br>(w/ PCMCIA)  | 840<br>840<br>840<br>850<br>354<br>660<br>840                  | G2391<br>G2849<br>G2150<br>G8250<br>G8562<br>J5001<br>J6001<br>G3510<br>G3520<br>Jin newer<br>G0108 | FEATURES OF 755CX MODELS  Discharge battery via mouse click Battery life indicator  Non-disruptive battery exchange Standby, suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in molded indentio Personalization screen at startup 3 year warranty International Warranty Service 24 hour /7 day telephone, bulletin board, fax, and electronic support IBM or dealer warranty/service |  |  |
| <ul> <li>Full duplex spea</li> <li>Software upgrade</li> <li>Easy-Setup is entered turning on.</li> </ul>  | kerphone<br>leable (to 28.8 an  |   | - CDF<br>- Mwa<br>ThinkP  | ave DSP Upg   | cations Modu<br>rade<br>memory for 7                                | e 710<br>242   | 93618<br>92560<br>90801<br>0, 750,  | Online Housecall (remote diagnostics) 30 day money back guarantee  |  |  |

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business days average turnaround). Overnight repair option in US available for \$99.

□ = Upgradeable ○ = Removable ♣ Price decrease effective November 7, 1995

⇒ = Withdrawn from marketing effective June 1996

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|   |  |   | 75501/   |  | _                          |  |  |  |
|---|--|---|--|--|----------------------------|--|--|--|
| IBM® ThinkPad®;   |  |   | 755CV<br>bjector LCD - Pention   | ım   | Sa                         | me as ThinkPad 755CE except includes:  |  |  |
| Processor type<br>L2 cache<br>Processor / L2 upgrade<br>Removable diskette  | IntelDX4™ 100/33 MHz None to Pentium 75/50 MHz which includes 256 KB L2 cache Internal 3.5" 1.44 MB m / sup Supports PCMCIA Cartridge                                | Pe<br>256<br>ports inte   | ,<br>ntium® 75/50 MHz<br>6 KB write-throug<br>direct mapp<br>64 bit to L2 /<br>rnal 2.88 MB diske            | h / 12ns<br>ed /soldered<br>32 bit to mem<br>tte   | 0 0                        | <ul> <li>Overhead projector LCD</li> <li>Supports optional lithium ion battery</li> <li>Mind Pathä Remote Control IR55</li> <li>F/X and software</li> </ul>  |  |  |
| Removable CD-ROM  | Not supported (Diskette bay  |   |  | nto bay  |                            | Integrated Mwave™ DSP provides:  |  |  |
| Price Type-model / part Removable disk - size Removable disk - spd Avail / withdrawn date Display - type Display - colors Display - techology   | 9545-8BJ 540 MB 1 14 ms 0 May 95 / Jun 96 VGA color / 640 x 480 65,536 simultaneous colors TFT - active matrix   | 810<br>14<br>Se   | 45-EBK/9545EBK<br><b>D MB                                   </b>   | 9545-EBL /954<br>1.2 GB 1<br>12 ms 0<br>Sept 95 / Oct 9  |                            | Data modem function V.22bis (2400 bps) V.32 (9600 bps) V.32bis (14.4 Kbps)  Fax modem function Ga fax send/receive (14.4 Kbps)  Audio function Stereo waveform record and playback   |  |  |
| Display - diagonal size<br>Display - projector  | 10.4 inch / 100 to 1 contrast<br>Overhead projector LCD by   |   | na hack (includes  | Stand and Str  | an)                        | <ul> <li>Qsound™ support (3-D effect)</li> <li>32 voice MIDI wave table synthesizer</li> </ul>   |  |  |
| Graphics - controller<br>Graphics - vendor<br>Graph - arch/data path<br>Memory - std / max  | WD90C24A2 with 1 MB DRA<br>Western Digital / External SV<br>VL-Bus 2.0 local bus / 32 bit<br>8 MB / 40 MB 70 ns / parity   | M<br>/GA to 10:<br>/ Simultar   | 24 x 768 w/ 256 co<br>neous LCD and CF   | lors (up to 75 H   | z)                         | <ul> <li>SoundBlaster™ support</li> <li>Text to speech (via Monologue)</li> <li>Telephone function</li> <li>Full telephone (can use opt headset)</li> </ul>  |  |  |
| Mem - sockets empty<br>Mem-options available  | 1 socket / 5 volt<br>2, 4, 8, 16, 32 MB ICs or 4, 8,<br>work on optional Memory  | 16 MB DI  | ① 1 opér<br>MMs that ory card<br>Adapter ② new D   | i socket for IC m<br>for 40 MB max o<br>IMM technology   | or<br>/ for                | <ul> <li>Telephone answering machine</li> <li>Full duplex speakerphone</li> <li>Software upgradeable (to 28.8 &amp; DSVE</li> </ul>  |  |  |
| Keyboard / # of keys<br>Keyboard slope<br>Mouse/pointing<br>Ext keyboard support  | TrackPoint III™ Rei  | key function<br>ludes Min<br>mote Cont<br>55 F/X  | d Path™ 16 MB JI<br>DIMMs c<br>trol Module A   |  | O<br>ory                   | PREINSTALLED APPLICATIONS  - IBM DOS 7.0 SelectaSystem™  - Windows 3.11  - OS/2 Warp 3.0 (dual boot) w/ selected   |  |  |
| Dimensions<br>Color<br>Weight (with battery)  | 11.7 x 8.3 x 1.96" (190 cubic<br>Black<br>6.6 pounds   | inches)   | Liftable (pop-u<br>access and ren<br>disk, battery, a  | ove diskette d   |                            | BonusPak - IBM PC Card Director™ for PCMCIA - IBM ThinkPad Demo  |  |  |
| Battery - type<br>Battery - life<br>Charge time - on / off  | Nickel hydride (NiMH) / intelli<br>3.3 to 10 hours<br>1.7 hrs / 1.2 hrs all sup  | 2.6   | to 8 hours<br>onal Lithium Ion   | (see below)  |                            | Online Users Guide     ThinkPad Features Program     Diskette Factory     Letue Factory  |  |  |
| Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features   | AT bus (ISA)<br>Dock I and II<br>Port Replicator I and II<br>2 Type I or 2 Type II or 1 Typ<br>One 9 pin; 16550A / one (IEE<br>APM-aware BIOS / Universa             | E P1284-  | Intelligent battery<br>allow accurate mo<br>condition and acc<br>A, EPP, ECP, bidin<br>ster (35 watts) / Sel | onitoring of batte<br>urate fuel guage<br>rectional)   | ery                        | <ol> <li>Lotus<sup>®</sup> cc:Mail<sup>™</sup>, e-mail for Global<sup>®</sup> network</li> <li>Lotus Organizer™ 1.12</li> <li>Lotus ScreenCam™ 1.0</li> <li>Triton CoSession™ Host</li> <li>PRODIGY<sup>®</sup>; 6. America Online<sup>®</sup></li> <li>SofNet FaxWorks™ Voice™ 3.0</li> </ol> |  |  |
| DSP function<br>Data/fax modem<br>Audio support   | Mwave MDSP2780 DSP wit<br>Data/fax modem function v<br>16 bit audio chip on planar<br>Internal speaker (with dial v  | ia DSP<br>with Mwa  |  | Notinet Faxworks™ Voice™ 3.0     Nideo For Windows™ 1.1 Runtime     Monologue (text to speech)     Puma TranXit™ (infrared function)     Taxi™ |                            |  |  |  |
| Audio in/out jacks<br>Telephone<br>Infrared ports   | Input jack / output jack Telephone (w/ opt headset) / answering machine / full duplex speakerphone Infrared ports (front and back) / IRDA compatible / up to 115 kbs |   |  |  |                            | 12. AlphaNet™FollowFax™ 13. SEDONA™ REPRINT™ 14. COMPEL™ Personal Edition  |  |  |
| Security  | security loop / Keyboard lock  | ower-on password / Hard disk password / Supervisor password / Hardware curity loop / Keyboard lock / locking device keyhole (Kensington™ croSaver™ cable lock) / PCMCIA card lock |  |  |                            | <ul> <li>15. Audiofile<sup>®</sup> TalkWorks™</li> <li>16. Reuters<sup>SM</sup> Money<sup>®</sup> Network</li> <li>17. Asymetrix 3D F/X</li> <li>18. Mind Path™ Presentation F/X Pro</li> </ul>  |  |  |
| Preinstalled software<br>Warranty   |  |   |  |  | ht:<br>in                  | 10. IVIIII GAIII ···· FIESEIII ALIOII F/A FIO  |  |  |
| - Wireless, hand held r<br>- Uses infrared to com   | remote control f   | Compatible<br>family, 758<br>Disks:   | le in all ThinkPad 3<br>5 family:<br>170 MB IDE<br>250 MB IDE  | 60 family, 750<br>66G284<br>84G239   |                            |  |  |  |
| away - Includes 5 buttons for instant effects - Permits full control of mouse Includes Mind Path Presentation F/X software - Allows 20 real-time special effects - Includes zoom, telestrator, spotlight, magnify, and others - Works with all Windows applications |  | - Dock I<br>- Dock II<br>- Port Re  | 340 MB IDE<br>540 MB IDE<br>810 MB IDE<br>1.2 GB IDE<br>(1 slot / 1 bay)                                     | 66G284<br>84G215<br>84G825<br>85G856<br>3545001<br>3546001   | 9<br>0<br>0<br>2<br>1<br>1 | FEATURES OF 755CV MODELS  Discharge battery via mouse click Battery life indicator Non-disruptive battery exchange Standby, suspend, and hibernation modes US EPA Energy Star compliant  |  |  |

Non-disruptive battery exchange Standby, suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in molded indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http:\\www.pc.ibm.com) support IBM or dealer warranty/service Online Housecall (remote diagnostics)

- Lithium Ion 85G8561 - Li-Ion Battery Pack II (Pentium only) 29H9329 ThinkPad IC DRAM memory for 700, 720, 750, 755 families are all compatible.

Works with all Windows applications

ThinkPad 755CV supported batteries:

- NiMH Battery Pack II

Easy-Setup by holding F1 when turning on

Options for 755CV: PCMCIA Cartridge 84G1301 66G3689 TV Tuner FDD External Attachment Kit 66G3618 Pentium/L2 upgrade (DX4 mod) 85G8609 Cooling Fan Kit (for overhead) 29H8000

66G3520

66G0108

std in newer

Port Replicator II

1.44 MB diskette

2.88 MB diskette

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business days average turnaround). Overnight repair option in US available for \$99. ■ = Upgradeable O = Removable; ≈ = Withdrawn from marketing

85G1513

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| IBM® ThinkPad®;   | < 755CD  |                              | <b>&gt;&lt; 755CD</b>                                    |  | Thir  | kPad 755CD strengths over 755CE / CSE:  |
|---|--|------------------------------|--|--|---|---|
|   | TFT color - DX4  |                              | TFT color - Penti  |  |   | obile multimedia - exceeds MPC2 standard  |
| Processor type  | IntelDX4™ 100/33 MHz   |                              | Pentium® 75/50   |  |   | emovable, double speed, 5.25" CD-ROM  |
| L2 cache<br>Processor / L2 upgrade  | None<br>to Pentium 75/50 MHz w   | hich                         | 256 KB write-thr   | ougn / 12 ns<br>apped / soldered   |   | ideo card (acceleration, composite in/out)  |
| Removable diskette  | includes 256 KB L2 ca<br>Internal 3.5" 1.44 MB O   | ıche                         | 64 bit to  | L2/32 bit to mem   | ⇒ Jo  | pystick/MIDI port<br>tereo speakers   |
| Nemovable diskelle  | Supports PCMCIA Cartr  |                              |  | verre.   | 4 0   | •   |
| Removable CD-ROM  | 5.25" CD-ROM () / dou  |                              |  | A / front loaded /   | IDE   | The left bay (UltraBay™) supports either the standard diskette drive or standard  |
| Price Type - model Removable disk - size Avail / withdrawn date                                       | 9545-9BD 9545<br><b>540 MB</b> / 14 ms<br>Oct 1994 / Jun 96 Oct 9  | <b>/IB</b> / 14 ms           | 9545-FBK<br>810 MB / 14 ms<br>Sept 95 / Jun 96           | 9545-FBL<br>1.2 GB / 12 ms<br>Sept 95 / Jun 96                           |   | CD-ROM. CD-ROM ships in this bay from factory.  |
| Display - type<br>Display - techology   | VGA color / 640 x 480 /<br>Black Matrix TFT - activ<br>10.4 inch / 100 to 1 contr  | 65,536 simu<br>ve matrix     | <del>  '</del>   | 100,000  |   | Liftable (pop-up) keyboard to access and remove CD-ROM, diskette drive, disk, battery, and memory   |
| Graphics - controller<br>Graphics - vendor<br>Graph - arch/data path                                  | WD90C24A2 with 1 MB<br>Western Digital / Externa<br>VL-Bus 2.0 local bus / 32  | al SVGA to 1                 |  |  |   | Integrated Mwave™ DSP provides:  ① Data modem function  - V.22bis, V.32, V.32bis (14.4 Kbps)  |
| Memory - std / max<br>Mem - sockets empty   | 8 MB / 40 MB 70 ns / pa  | arity<br>4, 8, 16 MB I       | non-parity DIMMs that                                    | ry upgraded via<br>en socket for IC m                                    |   | Fax modem function     G3 fax send/receive (14.4 Kbps)     Audio function     Stereo waveform record and playback     Qsound support (3-D effect)   |
| Keyboard / # of keys<br>Keyboard slope<br>Mouse/pointing<br>Ext keyboard support                      | Full size alp/num / 85 (8 Yes (legs pop out)  TrackPoint IIITM  Yes (with option cable)  | Fn key fund                  | tions) ory car<br>② new<br>max of                        | rd for 20 MB max of DIMM technology 40 MB with 4, 8, of DEC 72 pin SO DI | - 32 voice MIDI wave table synthesizer - SoundBlaster™ support;Text to speech  ¶ Telephone function - Full telephone (can use opt headset) - Telephone answering machine - Full duplex speakerphone  Software upgradeable (to 28.8 & DSVD |   |
| Dimensions<br>Color<br>Weight(w/batt/CD-ROM)  | 11.7 x 8.3 x 2.2" (214 cu<br>Black<br>7.3 pounds   | bic inches)                  | on opti<br>Adapte  | onal Memory Mod<br>er.   |   |   |
| Battery - type<br>Battery - life<br>Charge time - on / off  | Nickel hydride (NiMH) / i<br>3 to 9 hours<br>1.7 hrs / 1.2 hrs   | ntelligent                   | Nickel hydride (N<br>2.5 to 8 hours<br>1.7 hrs / 1.2 hrs | liMH) / intelligent<br>Supports<br>optional                              |   |   |
| Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features | AT bus (ISA)<br>Dock I and II<br>Port Replicator I and II<br>2 Type I or 2 Type II or<br>One 9 pin; 16550A / one<br>APM-aware BIOS / Univ  | (IEÉÉ P128                   |  |  | <ul> <li>Windows 3.11 (dual boot)</li> <li>OS/2 Warp 3.0 w/ selected BonusPak</li> <li>IBM PC Card Director™ for PCMCIA</li> <li>IBM ThinkPad Demo</li> <li>Online Users Guide</li> <li>ThinkPad Features</li> </ul>                      |   |
| Video function (below)<br>DSP function<br>Data/fax modem<br>Audio support                             | Daughtercard with video acceleration, composite in/out, game port Mwave MDSP2780 DSP with modem, fax, audio, telephony function Data/fax modem function via DSP 16 bit audio chip on planar with Mwave DSP Int stereo speakers .5 watts (with dial volume control) / int microphone Input jack / output jack Telephone / answering machine / full duplex speakerphone Infrared ports (front and back) / IrDA 1.0 compatible / up to 115 kbs Power-on password / Hard disk password / Supervisor password / Hardware security loop / Keyboard lock / Locking device keyhole (Kensington™ MicroSaver™ cable lock) / PCMCIA card lock |                              |  |  |   | Lotus <sup>®</sup> cc:Mail™, e-mail for Advantis <sup>®</sup> network; 2. Lotus Organizer™ 1.12     Lotus ScreenCam™ 1.0     Triton CoSession™ Host     PRODIGY <sup>®</sup> ; 6. America Online <sup>®</sup> |
| Audio in/out jacks<br>Telephone<br>Infrared ports   |  |                              |  |  |   | 7. SofNet FaxWorks™ Voice™ 3.0<br>8. Video For Windows™ 1.1 Runtime<br>9. Monologue (text to speech)<br>10. Puma TranXit™; 11. Taxi™  |
| Security  |  |                              |  |  |   | 12. AlphaNet™ FollowFax™ 13. REPRINT™; 14. COMPEL™ PE 15. TalkWorks™: 16. Reuters™ Monev® N   |
| Preinstalled software<br>Warranty   | IBM DOS, Windows™ 3.<br>3 year - ThinkPad Easys  | 11, OS/2 Wa<br>Serv (optiona | arp 3.0, and all app<br>al Overnight Repai               | ls listed to right:<br>r Service) or carry-                              | 17. Asymetrix <sup>®</sup> Digital video Producer <sup>™</sup> 18. Mind Path™ Presentation F/X Pro 19. CD-ROM Catalog/Sampler   |   |
| video with scaling ar   | deo for Windows™ motion<br>nd interpolation of image.  | family, 7                    |  | 66G2847  |   | To use diskette and CD-ROM simultaneously, need FDD External Kit and one of four docking solutions  |
| frame rate degredati  |  |                              | 250 MB IDE<br>340 MB IDE<br>540 MB IDE<br>810 MB IDE     | 84G239 <sup>-</sup><br>66G2849<br>84G2150<br>84G8250                     | 9   | ThinkPad IC DRAM memory for 700, 720, 750, 755 families are all compatible  |

- Composite in and S-Video in for video capture (capture and digitize video from a TV or VCR), still image capture (capture and digitize still photo images), and overlay (view video on LCD like with a TV, VCR, or camcorder without capturing it to disk). So can hook up a TV or VCR and run it on the ThinkPad screen.
- Composite out and S-Video out to TV meaning use a TV as if an external display (connect to video out port; NTSC or PAL); or record on a VCR the contents of the 755CD screen.
- Mini game port for MIDI or joystick (includes MIDI/joystick cable)
- Includes a video in and video out port (includes two video in/out cables)
- Use software called Digital Video Producer™

| - | DISKS:   | 170 MB IDE       | 66G2847/9 |
|---|----------|------------------|-----------|
|   |          | 250 MB IDE       | 84G2391   |
|   |          | 340 MB IDE       | 66G2849   |
|   |          | 540 MB IDE       | 84G2150   |
|   |          | 810 MB IDE       | 84G8250   |
|   |          | 1.2 GB IDE       | 85G8562   |
| - | Dock I   | (1 slot / 1 bay) | 3545001   |
| - | Dock II  | (2 slot / 2 bay) | 3546001   |
| - | Port Rep | 66G3510          |           |
| - | Port Rep | 66G3520          |           |
|   | 1.44 MB  | std in newer     |           |
| - | 2.88 MB  | diskette         | 66G0108   |
| l |          |                  |           |

#### Options for 755CD:

| 0 | plions for 755CD.                  |         |
|---|------------------------------------|---------|
| - | PCMCIA Cartridge                   | 84G1301 |
| - | NiMH Battery Pack II               | 85G1513 |
|   | Lithium Ion Battery (Pentium only) |         |
| - | Li-Ion Batt Pack II (Pentium only) | 29H9329 |
| - | CDPD Mobile Module                 | 71G2560 |
| - | FDD External Attachment Kit        | 66G3618 |
| - | Pentium/L2 upgrade (DX4 mod)       | 29H8755 |

#### FEATURES OF 755CD MODELS

Discharge battery via mouse click Battery life indicator Non-disruptive battery exchange

Standby, suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in molded

ersonalized nameplate in mo indention

Personalization screen at startup International Warranty Service

24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http:\\www.pc.ibm.com) support IBM and dealer warranty/service

IBM and dealer warranty/service
Online Housecall (remote diagnostics)

| IBM® ThinkPad®;   | 755CDV     75 |   | 755CDV     75 |   |  | ne features as ThinkPad 755CD except   |
|---|---|---|---|---|--|--|
| D   | <u> </u>  |   | 11 1 dolor projector LOB 1 chitain  |   | cludes:  |  |
| Processor type<br>L2 cache  | IntelDX4™ 100/33<br>None  | 3 MHZ   |   |   |  | verhead projector LCD  |
| Processor/L2 upgrade  | to Pentium 75/50  |   | direct m  | napped/soldered<br>b L2/32 bit to mem   | upports optional lithium ion battery<br>lind Path™ Remote Control IR55 F/X |  |
| Removable diskette  | includes 256 KB<br>Internal 3.5" 1.44<br>Supports PCMCIA  | MB O / suppor                                   | ts internal 2.88 MB   |   |  | Integrated Mwave™ DSP provides:  |
| Removable CD-ROM  |   |   |   | and XA / front loade  | d  | ① Data modem function<br>- V.22bis (2400 bps)  |
| Price<br>Type - model / part<br>Removable disk - size<br>Avail / withdrawn date   |   | 9545-ABK<br><b>810 MB</b> / 14<br>Jun95 / Jun96 | 9545GBK<br><b>810 MB</b> / 14 ms<br>Sept 95 / Oct 96  | 9545-GBL<br>1.2 GB / 12ms<br>Sept 95 / Oct 96   |  | - V.32 (9600 bps)<br>- V.32bis (14.4 Kbps)<br><b>© Fax modem function</b><br>- G3 fax send/receive (14.4 Kbps)   |
| Display - type<br>Display - techology<br>Display - diagonal size<br>Display - projector   | TFT - active matr<br>10.4 inch / 100 to   | ix<br>1 contrast ratio                          |   | ors<br>ludes Stand and Stra   | ıp)  | <ul> <li>③ Audio function</li> <li>Stereo waveform record and playba</li> <li>Qsound™ support (3-D effect)</li> <li>32 voice MIDI wave table synthesiz</li> <li>SoundBlaster™ support; Text to spe</li> </ul>  |
| Graphics - controller<br>Graphics - vendor<br>Graph - arch/data path  | WD90C24A2 Rev<br>Western Digital / I<br>VL-Bus 2.0 local b  | External SVGA                                   | to 1024 x 768 w/ 2  | 256 colors (up to 75 Hz<br>and CRT / 180 degree   | z)<br>tilt   | Telephone function     Full telephone (can use opt headset     Telephone answering machine   |
| Memory - std / max<br>Mem - sockets empty   | 8 MB / 40 MB 70   | ns / parity                                     | non-parity  |   |  | <ul> <li>Full duplex speakerphone</li> <li>⇒ Software upgradeable (to 28.8 &amp; DS</li> </ul>   |
| Mem-options available   | 2, 4, 8, 16, 32 MB  | ICs or 4, 8, 16 I<br>nal Memory Mo              | odule Adapter 🔍   | i open socket for ic ii   |  | PREINSTALLED APPLICATIONS  - IBM DOS 7.0 SelectaSystem™  - Windows 3.11  - OS/2 Warp 3.0 (dual boot) w/ selecte BonusPak   |
| Keyboard / # of keys<br>Keyboard slope<br>Mouse/pointing<br>Ext keyboard support  | Full size alp/num,<br>Yes (legs pop out<br>TrackPoint III™<br>Yes (with option c  | ) Inclue<br>Path                                | des Mind m. Remote M  | y card for 40 MB max<br>new DIMM technology<br>ax of 36 MB with 4, 8,<br>B JEDEC 72 pin SO D<br>n optional Memory Mod | y for<br>or 16<br>IMMs   |  |
| Dimensions<br>Color<br>Weight (with battery)  | 11.7 x 8.3 x 2.2" (2<br>Black<br>7.45 pounds  | 213 cubic inche                                 |   | dapter.   |  | IBM PC Card Director™ for PCMCIA     IBM ThinkPad Demo     Online Users Guide     ThinkPad Eastures: Diskette Factory  |
| Battery - type<br>Battery - life<br>Charge time - on / off  | Nickel hydride (Ni<br>3 to 9 hours<br>1.7 hrs / 1.2 hrs   | Supports opt                                    | Nickel hydride (N<br>2.5 to 8 hours<br>1.7 hrs / 1.2 hrs  | liMH) / smart<br>Supports<br>Lithium io   |  | <ul> <li>ThinkPad Features; Diskette Factory</li> <li>Lotus<sup>®</sup> cc:Mail™, e-mail for Global<sup>®</sup> network; 2. Lotus Organizer™ 1.12</li> <li>Lotus ScreenCam™ 1.0</li> </ul>   |
| Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features   |   | <b>be II or 1 Type</b><br>A / One (IEEE F       | when turning<br>III<br>P1284-A, EPP, EC   |   | <del>-</del> 1   | 4. Triton CoSession™ Host 5. PRODIGY®; 6. America Online® 7. SofNet FaxWorks™ Voice™ 3.0 8. Video For Windows™ 1.1 Runtime 9. Monologue (text to speech) 10. Puma TranXit™; 11. Taxi™  |
| Video function (below)<br>DSP function<br>Data/fax modem<br>Audio support<br>Audio in/out jacks   | Daughtercard with video acceleration, composite in/out, game port Mwave MDSP2780 DSP with modem, fax, audio, telephony function Data/fax modem function via DSP 16 bit audio chip on planar with Mwave DSP Internal stereo speakers .5w (w/ dial volume control) and int microphone Input jack / output jack  |   |   |   |  | <ul> <li>12. AlphaNet™FollowFax™</li> <li>13. REPRINT™; 14. COMPEL™ PE</li> <li>15. TalkWorks™; 16. Reuters™ Money</li> <li>17. Asymetrix™ Digital Video Producer™</li> <li>18. Mind Path™ Presentation F/X Pro</li> <li>19. Asymetrix 3D F/X</li> </ul> |
| Telephone<br>Infrared ports   |   |   | full duplex speake / IRDA compatib  |   |  | 20. CD-ROM Catalog/Sampler  The left bay (UltraBay™) supports either to  |
| Security  | Power-on password / Hard disk password / Supervisor password / Hardware security loop / Keyboard lock / Locking device keyhole (Kensington™ Microsaver cable lock) / PCMCIA card lock   |   |   |   | ware   | standard diskette drive or standard CD-ROM. CD-ROM ships in this bay fro factory.  |
| Preinstalled software<br>Warranty IBM DOS 7.0, Windows™ 3.11, OS/2 Warp Version 3 and all appls listed to right:<br>3 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in |   |   |   |   | ously, need FDD External Kit and one o                                     |  |
| Enhanced Video Card  - Acceleration of 'Video with scaling are Video may be scale   | deo for Windows'ä r<br>nd interpolation of i  | motion fam<br>mage [                            | mpatible in all Thin<br>nily, 755 family:<br>Disks: 170 MB<br>250 MB  |   |  | docking solutions Liftable (pop-up) keyboard to access and remove CD-ROM, diskette drive, disk, battery, and memory  |

- Video may be scaled up to full screen without frame rate degredation.
- Composite in and S-Video in for video capture (capture and digitize video from a TV or VCR), still image capture (capture and digitize still photo images), and overlay (view video on LCD like with a TV, VCR, or camcorder without capturing it to disk). So can hook up a TV or VCR and run it on the ThinkPad screen.
- Composite out and S-Video out to TV meaning use a TV as if an external display (connect to video out port; NTSC or PAL); or record on a VCR the contents of the 755CD screen 755CD screen.
- Mini game port for MIDI or joystick (includes MIDI/joystick cable)
- Includes a video in and video out port (includes two video in/out cables)
  Use software called Digital Video Producerä

| i amily, 755                 |   |           |  |  |  |  |
|------------------------------|---|-----------|--|--|--|--|
| - Disks:                     | 170 MB IDE  | 66G2847/9 |  |  |  |  |
|                              | 250 MB IDE  | 84G2391   |  |  |  |  |
|                              | 340 MB IDE  | 66G2849   |  |  |  |  |
|                              | 540 MB IDE  | 84G2150   |  |  |  |  |
|                              | 810 MB IDE  |           |  |  |  |  |
|                              | 1.2 GB IDE  | 85G8562   |  |  |  |  |
| <ul> <li>Dock I</li> </ul>   | (1 slot / 1 bay)                                  | 3545001   |  |  |  |  |
| <ul> <li>Dock II</li> </ul>  | (2 slot / 2 bay)                                  | 3546001   |  |  |  |  |
| <ul> <li>Port Rep</li> </ul> | <ul> <li>Port Replicator I (w/ PCMCIA)</li> </ul> |           |  |  |  |  |
| - Port Rep                   | 66G3520   |           |  |  |  |  |
| - 2.88 MB                    | 66G0108   |           |  |  |  |  |
| Options for                  |   |           |  |  |  |  |
| - NiMH Ba                    | 85G1513   |           |  |  |  |  |

Lithium Ion battery 85G8561 Li-Ion Batt Pack II (Pentium only) 29H9329 CDPD Mobile Module 71G2560 PCMCIA Cartridge 84G1301

Pentium/L2 upgrade (DX4 mod) 29H8755 Cooling Fan Kit (for overhead) 29H8000

ThinkPad IC DRAM memory for 700, 720, 750, 755 families are all compatible.

- ayback
- esizer speech
- dset)
- & DSVD)

#### NS

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- **ICIA**
- ctory al<sup>®</sup> .12
- ne
- ney<sup>®</sup> Net

her the v from

anee of four

and k, Exceeds MPC2 standard

#### **FEATURES OF 755CDV MODELS**

Discharge battery via mouse click Battery life indicator Non-disruptive battery exchange Standby, suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in molded indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM warranty/service

Online Housecall (remote diagnostics)

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business days average turnaround). Overnight repair option in US available for \$99. ■ = Upgradeable O = Removable; <= = Withdrawn from marketing

All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (755CDV) Compiled by Roger Dodson, IBM. October 1996

|   | o - 700l   |  |  |  |   |  |  |  |
|---|--|--|--|--|---|--|--|--|
| IBM <sup>®</sup> ThinkPad <sup>®</sup> :  | <b>760L</b> 10.4" TFT color  |  |  | ThinkPad 760L strengths:   |   |  |  |  |
| Processor type Processor speed Processor upgrade L2 cache Removable diskette Removable CD-ROM   | Pentium® (P54LM) / 64 b<br>90/60 MHz<br>to Pentium 120/60 MHz<br>256 KB / write-through / di<br>Internal 3.5" 1.44 MB ) / None (diskette bay is calle  | rect mapped / 10 n   | us / synchronous / solder<br>or diskette drive   | Ult Ult Into the Unit Into the | <ul> <li>Automated tilt up keyboard / palm rest space</li> <li>UltraBay: 2nd disk, 2nd battery, diskette</li> <li>Two high speed infrared ports</li> <li>Integrated audio / speakers / microphone</li> <li>16.7 million simultaneous color LCD</li> </ul>               |  |  |  |
| Price Type - model Preload (see side) Part number Avail / withdrawn date Remv disk - size / ms Display - diagonal size Display - type Display - techology Graphics - controller Graphics - external | 9547-U01 9547-U01<br>SelectaSys Window<br>9547U01 9547U0<br>Feb 96 / Oct 96 Feb 96<br>810 MB / 13 ms / EIDEO   | Pallette<br>9547-U0<br>9547-U0<br>Blank<br>9547U0<br>Oct 96 Feb 96 /<br>Feb 96 / | of 24 systems OR  R ( Oct 96  aneous colors contrast ratio  up to 75 Hz  | No intr<br>1.74" t<br>6.5 lbs<br>Suppo<br>2.16 C<br>No ext<br>Price  | rences between 760L and 760LD:  760L  ernal CD-ROM neight 1.96" height 7.11 lbs / 190 cu in orts 12 mm disks BB max capacity t FDD port  760L  Removable CD-ROM 1.96" height 7.11 lbs / 190 cu in Supports 1.2 GB disks 2.4 GB max capacity Ext. FDD port on back Price |  |  |  |
| Memory - std / max  | 8 MB / 64 MB 70 ns / nor   | n-parity / 3.3 volt / f  | ast page   |  |   |  |  |  |
| Mem - upgrade Keyboard / # of keys Keyboard slope Pointing / palm rest Ext keyboard support   | 2 sockets for two JEDEC 88 Full size alp/num / 85 (8 F Automted tilt up keyboa TrackPoint III™ / integrat Yes (with option cable)  | n key functions)<br>rd (5.5 degrees)   | Liftable (pop-up) key<br>access and remove d<br>drive, 1st/2nd disk, a<br>1st/2nd battery                      | board to   | SELECTASYSTEM PRELOAD  - IBM DOS 7.0  - Windows 3.11  - OS/2 Warp 3.0 (dual boot) w/ selected BonusPak  |  |  |  |
| Dimensions (cubic in)<br>Weight (with battery)<br>Battery - type<br>Battery - life (1 batt)<br>Battery - life (2 batt)<br>Charge time - on / off  | 11.7 x 8.3 x 1.74" (169)<br>6.51 pounds<br>NiMH / intelligent / Options<br>3 hours<br>6 hours<br>1.7 hrs / 1.2 hrs   | al Lithium Ion   |  |  | BonusPak  IBM PC Card Director™ 3.0  Online Users Guide  ThinkPad Features Program  Diskette Factory  Triton CoSession™ Host  PRODIGY®  |  |  |  |
| Architecture  Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features  | ISA (EIDE, audio, PCMCI.<br>VL-Bus 2.0 / 32 bit / 33 MI<br>Dock I and II<br>Port Replicator I and II<br>2 Type I or 2 Type II or 1<br>One 9 pin; 16550A / one (I<br>APM-aware BIOS / University III) | dz (graphics)  Type III EEE P1284-A, EP  | P, ECP, bidirectional)   | ,  | <ol> <li>SofNet FaxWorks™</li> <li>Video For Windows™ 1.1 Runtime</li> <li>Puma TranXit™</li> <li>CompuServ for Windows</li> <li>NetFinity for Windows and OS/2</li> <li>WINDOWS 95 PRELOAD</li> </ol>  |  |  |  |
| Motion video accel<br>MPEG decoder<br>DSP function<br>Data/fax modem<br>Audio support<br>Audio in/out jacks<br>Infrared ports   | None None None 16 bit audio chip / 18 voi Int stereo speakers / .5 w Input jack (3.5 mm) / outpu Infrared ports (front and   | <b>/att / slide volume</b><br>Jt jack (3.5 mm)   | control / internal micro   | •  | <ul> <li>Microsoft Windows 95</li> <li>Online User's Guide</li> <li>ThinkPad Features Program</li> <li>Diskette Factory</li> <li>Triton CoSession™ Host</li> <li>PRODIGY®</li> <li>SofNet FaxWorks™</li> <li>Puma TranXit™</li> </ul>                                   |  |  |  |
| Telephone Security  | None Power-on password / Hard  |  |  |  | 5. Compuserv for Windows<br>9. NetFinity for Windows 95   |  |  |  |
| - Coody   | device keyhole (Kensingto<br>keyboard and DIMMS (red   | on™ MicroSaver™  | cable lock) / Security late  |  |   |  |  |  |
| Preinstalled software Warranty  | Choice of two preloaded c<br>3 year - ThinkPad EasySe  | onfigurations (liste<br>erv (optional Overn  | rry-in   |  |   |  |  |  |
| The left bay (UltraBay ① 2nd disk ② 2nd battery   |  | Compatible in TI - Disks: (360/7) 720 MB HDI   | ninkPad 760 family:<br>50/755 IDE disks not sup<br>DII EIDE 12.5 mm 2  | pported)<br>!9H9383  |   |  |  |  |
| ⑦ IBM Wireless Mode<br>(option)   |  | - Second HDD<br>- Dock I (1 slot<br>- Dock II (2 slo   | D II EIDE 12.5 mm 2 II (LD/CD only)17 mm 2 Adapter 2 / 1 bay) 3 t / 2 bay) 3 or I (w/ PCMCIA) 6 or II 6 ette 6 | 9H9319   | FEATURES OF 760 MODELS  Product Map; LCD indicator panel LCD of remaining battery life LCD icons for two batteries Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, and hibernation modes                         |  |  |  |
| battery in both battery   |  | - 760 NiMH Ba<br>- Li-lon Batter<br>- Travel Quick   | ttery (black) 4<br>y Pack II (gray) 2<br>Charger 8   | 1 <b>H9720</b><br>2 <b>9H9329</b><br>35G1522   | US EPÁ Energy Star compliant Personalized nameplate in indention Personalization screen at startup  |  |  |  |
| 2.16 GB with two 1.0  | sk capacity on 760L is<br>8 GB disks.  | - FDD Externa - Pentium 120 - Car Battery A  | 66G3618<br>9 <b>H9340</b><br>9G2167  | 340 24 hour / 7 day telephone, bulletin  |   |  |  |  |

Car Battery Adapter ThinkPad AC Adapter (50 watts) 8 MB SO DIMM 3.3v non-parity EDO

- 16 MB SO DIMM 3.3v non-parity EDO - ThinkPad headset 49G2167 66G3541

92G7315

92G7316 85G1301 Online Housecall (remote diagnostics)

(http://www.pc.ibm.com) support IBM and dealer warranty/service

| IBM <sup>®</sup> ThinkPad <sup>®</sup> :  | <b>≈ 760LD</b>  |  |   |   | Thin  | kPad 760LD strengths:  |  |  |
|---|---|--|---|---|---|--|--|--|
| IBINI* I NINKPad*;  | 10.4" TFT color - CD-RON  | Л  |   |   | 1   | •  |  |  |
| Processor type Processor upgrade L2 cache Removable diskette Removable CD-ROM                                       | Pentium® 90/60 MHz (P5 to Pentium® 120/60 MHz 256 KB / write-through / di 3.5" 1.44 MB O / use in UI 5.25" CD-ROM O / 4 x special EIDE / PIO Mode 3 (ATAPI                              | 54LM) / 64 b<br>irect mappe<br>ItraBay or at<br><b>ed / multi-se</b> | d / 10 ns / s<br>ttach extern                           | synchronous / soldered hally to FDD attach port                           | emovable, 4 x speed, 5.25" CD-ROM<br>atomated tilt up keyboard / palm rest space<br>traBay: 2nd disk, 2nd battery, diskette<br>vo high speed infrared ports<br>tegrated audio / speakers / microphone<br>i.7 million simultaneous color LCD |  |  |  |
| Price Type - model (part) Preload (see side) Avail / withdrawn date Remy disk - size / ms                           | Feb 96 / Oct 96<br>810 MB / 12 ms / EIDE O  | 9547-U3A (<br>Windows 95<br>Feb 96 / Oc<br>/ PIO Mode                | 5<br>ct 96  | Pallete of 24 systems<br>9547-U3R (9547U3R)<br>Blank<br>Feb 96 / Oct 96   |   | The left bay (UltraBay™) supports: ① 2nd disk ② 2nd battery ③ std diskette drive ④ std CD-ROM ⑤ 2.88 MB diskette (option)        |  |  |
| Display - diagonal size<br>Display - type<br>Display - techology  | 10.4 inch<br>VGA color / 640 x 480 / 1<br>Black Matrix TFT - active   |  |   |   |   | © PCMCIA Cartridge (option)  © IBM Wireless Modem ARDIS (option)  © IBM Wireless Modem for Cellular/                             |  |  |
| Graphics - controller<br>Graphics - external<br>Graph - arch/data path  | Tridentä CYBER9320 with<br>External SVGA to 1024 x<br>VL-Bus 2.0 local bus / 32 l   | 768 w/ 256   | colors up to  |   | tilt  | CDPD (option)  |  |  |
| Memory - std / max<br>Memory - upgrade  | 8 MB / 64 MB 70 ns / nor<br>2 sockets for two JEDEC 88  |  |   |   | page)   | SELECTASYSTEM PRELOAD  - IBM DOS 7.0 - Windows 3.11  |  |  |
| Keyboard / # of keys<br>Keyboard slope<br>Pointing / palm rest<br>Ext keyboard support                              | Full size alp/num / 85 (8 F<br>Automated tilt up keybo<br>TrackPoint III™ / integrat<br>Yes (with option cable)   | <b>ard</b> (5.5 deg  | grees)  |   |   | Vindows 3.11     OS/2 Warp 3.0 (dual boot) w/ selected BonusPak     IBM PC Card Director™ 3.0     Online Users Guide             |  |  |
| Dimensions<br>Weight (with CD-ROM   | 11.7 x 8.3 x 1.96" (190 cul<br>) 7.11 pounds  | bic inches)  | Liftable (  | pop-up) keyboardto ac   | cess  | ThinkPad Features Program     Diskette Factory   |  |  |
| Battery - type<br>Battery - life (1 batt)<br>Battery - life (2 batt)<br>Charge time - on / off                      | NiMH/intelligent 3 hours Lithiu<br>6 hours<br>1.7 hrs / 1.2 hrs   | onal<br>um Ion   | 1st/2nd d   | ve CD-ROM, diskette d<br>isk, and 1st/2nd battery<br>cceeds MPC2 standard | <ol> <li>Triton CoSession™ Host</li> <li>PRODIGY®</li> <li>SofNet FaxWorks™</li> <li>Video For Windows™ 1.1 Runtime</li> <li>Puma TranXit™</li> </ol>   |  |  |  |
| Architecture  Docking Station Port replicator PCMCIA <sup>TM</sup> 2.1 slots Serial / parallel ports Other features | ISA (EIDE, audio, PCMCI/VL-Bus 2.0 / 32 bit / 33 Mh<br>Dock I and II<br>Port Replicator I and II<br>2 Type I or 2 Type II or 1<br>One 9 pin; 16550A / one (I<br>APM-aware BIOS / Univer | nz (graphics<br>Type III<br>IEEE P1284                               | s)<br>1-A, EPP, E                                       | CP, bidirectional)  |   | CompuServ for Windows     NetFinity for Windows and OS/2     WINDOWS 95 PRELOAD     Microsoft Windows 95     Online User's Guide |  |  |
| Motion video accel<br>MPEG decoder<br>DSP function<br>Data/fax modem<br>Audio support                               | None<br>None<br>None<br>16 bit audio chip / 18 voi<br>Int stereo speakers / .5 w  | ce MIDI FM   | synthesis   | /ESS1688  | one   | - Diskette Factory 1. Triton CoSession™ Host 2. PRODIGY® 3. SofNet FaxWorks™ 4. Puma TranXit™ 5. Compuserv for Windows           |  |  |
| Jacks<br>Telephone<br>Infrared ports  | Input jack (3.5 mm) / Output<br>None<br>Infrared ports (front and   | , ,  |   | 9. NetFinity for Windows 95   |   |  |  |  |
| Security  | Power-on password / Hard<br>device keyhole (Kensingto<br>keyboard and DIMMS (red  | d disk passv<br>on™ MicroS   |   |   |   |  |  |  |
| Preinstalled software<br>Warranty   | Choice of two preload con 3 year - ThinkPad EasySe  | figurations (<br>erv (optional                                       | (listed to rig<br>I Overnight                           | ht)<br>Repair Option) or carry-i  | in  |  |  |  |
| Differences between T60L/LD Pentium 90/60 MHz All 10.4" TFT VGA 640 x 480 LCD                                       | 760L/LD and 760C/CD:  760C/CD  Pentium 120/60 or 90/60 10.4" or 12.1" TFT SVGA 800 x 600 LCD  | - Disks:<br>720 N<br>810 N<br>1.08 G<br>1.2 G                        | (360/750/7<br>//B HDD II E<br>//B HDD II E<br>GB HDD II | EIDE 12.5 mm 29H9<br>EIDE 12.5 mm 29H9<br>LD/CD only)17 mm 29H9           | 9383<br>9313<br>9319  | Easy-Setup is entered by holding F1 when turning on.   |  |  |

| 760L/LD  | 760C/CD   |
|--|---|
| Pentium 90/60 MHz<br>All 10.4" TFT<br>VGA 640 x 480 LCD<br>16.7 mil colors on LCD<br>None<br>None<br>None<br>18 voice FM synthesis<br>NiMH battery<br>Type is 9547 | Pentium 120/60 or 90/60<br>10.4" or 12.1" TFT<br>SVGA 800 x 600 LCD<br>65,536 colors on LCD<br>760CD: Enh. Vid Card<br>760CD: MPEG decoder<br>Mwave DSP<br>28.8 modem / DSVD<br>32 voice wavetable syn.<br>Li-lon battery<br>Type is 9546 |
|  |   |

All 760 systems support the NiMH or Li-Ion battery in both battery bay and UltraBay.

Maximum internal disk capacity on 760LD is 2.4 GB with two 1.2 GB disks.

| - | Disks: (360/750/755 IDE disks not s     | upported) |
|---|---|-----------|
|   |   | 129H9383  |
|   | 810 MB HDD II EIDE 12.5 mn              | 29H9313   |
|   | * | 29H9319   |
|   | 1.2 GB HDD II (LD/CD only)17 mn         |           |
| _ | Second HDD Adapter                      | 29H9333   |
| _ | Dock I (1 slot / 1 bay)                 | 3545001   |
| _ | Dock I (1 slot / 1 bay)                 | 3546001   |
| - | Port Replicator I (w/ PCMCIA)           | 66G3510   |
| - |   |           |
| - | Port Replicator II                      | 66G3520   |
| - | 2.88 MB diskette                        | 66G0108   |
| - | PCMCIA Cartridge                        | 84G1301   |
| - | 760 NiMH Battery (black)                | 41H9720   |
| - | Li-Ion Battery Pack II (gray)           | 29H9329   |
| - | Travel Quick Charger                    | 85G1522   |
| - | FDD External Attachment Kit             | 66G3618   |
| - | Pentium 120/60 MHz upgrade              | 29H9340   |
| - | Car Battery Adapter                     | 49G2167   |
| - | ThinkPad AC Adapter (50 watts)          | 66G3541   |
| - | 8 MB SO DIMM 3.3v non-parity EDO        | 92G7315   |
| _ | 16 MB SO DIMM 3.3v non-parity EDO       | 92G7316   |
|   | ThinkPad headset                        | 85G1301   |

#### **FEATURES OF 760 MODELS**

Product Map; LCD indicator panel
Plug and Play 1.0a
Discharge battery via mouse click
Non-disruptive battery exchange
Standby, suspend, and hibernation modes
US EPA Energy Star compliant
Personalized nameplate in indention
Personalization screen at startup
International Warranty Service
24 hour / 7 day telephone, bulletin
board, fax, electronic, and Internet
(http://www.pc.ibm.com) support
IBM and dealer warranty/service
Online Housecall (remote diagnostics)

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. 
○ = Removable

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| IBM® ThinkPad®:  | < 760C   |   |  |   |   | Think   | Pad 760C strer   | ngths:   |  |  |  |
|--|--|---|--|---|---|---|--|--|--|--|--|
| Processor type Processor speed Processor upgrade L2 cache Removable diskette Removable CD-ROM  | 12.1" or 10.4" TFT color<br>Pentium® (P54LM) / 64 to<br>90/60 or 120/60 MHz (see<br>to Pentium 120/60 MHz<br>256 KB / write-through / do<br>Internal 3.5" 1.44 MB () (i<br>None (diskette bay is called  | e below)<br>irect mapped /<br>n UltraBay)   | / 10 ns / sync                         | hronous / sold  | up keyboard and palm rest space<br>gest notebook display models 12.1 inch<br>aBay: 2nd disk, 2nd battery, diskette<br>grated 28.8 Kbps modem, audio, telephony<br>o high speed infrared ports |   |  |  |  |  |  |
| Avail / withdrawn date   | SelectaSys   Win 95<br>90/60 MHz<br>720 MB / 13 ms / EIDEO<br>Oct 1995 / Oct 1996  | A U22 U2B SelectaSys Win 95 SelectaSys Win 95 120/60 MHz 120/60 MHz 720 MB / 13 ms / EIDEO 720 MB / 13 ms / EIDEO   |  |   |   |   |  | U2J<br>  Win 95<br>ms / EIDEO<br>tt 1996   |  |  |  |
| Display - diagonal size<br>Display - type<br>Display - techology   | SVGA color / 640 x 480 c<br>Black Matrix TFT - active  | e matrix / 100  | to 1 contrast                          |   | rs  |   | 12.1 inch  |  |  |  |  |
|  | Trident™ CYBER9320 wit<br>External SVGA to 1024 x<br>VL-Bus 2.0 local bus / 32   | 768 w/ 256 co<br>bit / Simultan   | olors up to 75<br>eous LCD an          | d CRT / 180 de  | egree   | tilt  |  |  |  |  |  |
| Memory - std / max<br>Mem - upgrade  | 8 MB / 64 MB 70 ns / no<br>2 sockets for two JEDEC 88  |   |  |   | e fast  | t page)   |  |  |  |  |  |
| Keyboard / # of keys<br>Keyboard slope<br>Pointing / palm rest<br>Ext keyboard support   | Full size alp/num / 85 (8 I<br>Automated tilt up keybo<br>TrackPoint III™ / integra<br>Yes (with option cable)   | ard (5.5 degre  | ees) acces                             | ole (pop-up) kess and remove<br>, 1st/2nd disk<br>,nd battery   | disk  | ette  | - IBM DOS 7<br>- Windows 3   |  |  |  |  |
| Dimensions (cubic in) Weight (with battery) Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off                  | 10.4" models: 6.1 pounds<br>10.4" models: Lithium Ion<br>10.4" models: 3.8 hours<br>10.4" models: 7.6 hours  | els: Lithium Ion / intelligent l2.1" models: Lithium Ion / intelligent l2.1" models: 3.5 hours Opt l2.1" models: 3.5 hours Opt  |  |   |   |   |  | selected BonusPak - IBM PC Card Director™ 3.0 - Online Users Guide - ThinkPad Features Program - Diskette Factory 1. Lotus® cc:Mail™, e-mail for IBM Global® |  |  |  |
| Architecture  Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features   | ISA (EIDE, audio, PCMCI<br>VL-Bus 2.0 / 32 bit / 33 M<br>Dock I and II<br>Port Replicator I and II<br>2 Type I or 2 Type II or 1<br>One 9 pin; 16550A / one (<br>APM-aware BIOS / Unive  | Hz (graphics)<br>Type III<br>IEEE P1284- <i>I</i>   | boot                                   | network, 2. Lotus Organizer™ 3. Lotus ScreenCam™ 4. Triton CoSession™ Host; 5. PRODIGY® 6. SofNet FaxWorks™ Voice™ 7. Video For Windows™ 1.1 Runtime 8. Puma TranXit™ 9. COMPEL™ PE 10. Mind Path Presentation F/X Pro 11. Internet for Windows |   |   |  |  |  |  |  |
| Motion video accel<br>MPEG decoder<br>DSP function<br>Data/fax modem<br>Audio support  | None None Mwave MDSP2780 DSP Data/fax modem function 16 bit audio chip on plat Int stereo speakers / .5 w  | on via DSP (v.<br>nar with Mwa<br>vatt / slide vo   | 34 to 28.8 Kb<br>ve DSP<br>lume contro | ps) / Mwave 2   | .0  |   | <ul> <li>Compuserv for Win; 13. WIN32s Runtime</li> <li>NetFinity for Windows and OS/2</li> <li>Complimentary Applications CD-ROM</li> <li>Lotus SmartSuite 4.0 CD-ROM</li> <li>WINDOWS 95 PRELOAD</li> </ul>                                |  |  |  |  |
| Audio in/out jacks<br>Infrared ports<br>Telephone  | Input jack (3.5 mm) / output<br>Infrared ports (front and<br>Telephone / answering ma  | l back) / IrDA  | 1.0 compati                            | <b>ble / up to 115</b><br>phone   | kbs   |   | <ul><li>Microsoft Windows 95</li><li>Online User's Guide</li><li>ThinkPad Features Program</li></ul>   |  |  |  |  |
| Security   | Power-on password / Har device keyhole (Kensingt keyboard and DIMMS (re-   | on™ MicroSav  | ⁄er™ cable lo                          | ck) / Security I  | Locki<br>atch fo  | ing<br>or   | <ul> <li>Diskette Factory</li> <li>Lotus<sup>®</sup> cc:Mail™, e-mail for IBM Global<sup>®</sup> network; 2. Lotus Organizer™</li> </ul>   |  |  |  |  |
| Preinstalled software<br>Warranty  | Choice of two preloaded of <b>3 year -</b> ThinkPad EasySe   |   |  |   | n) or c   | arry-in   | <ol><li>SofNet Fax</li></ol>   | ession™ Host; 5. PRODIGY®<br>Works™ Voice™   |  |  |  |
| <ul> <li>① 2nd disk (requires \$ 2 2nd battery</li> <li>③ std diskette drive</li> <li>④ 2.88 MB diskette dr</li> <li>⑤ PCMCIA Cartridge</li> </ul> | The left bay (UltraBay™) supports: ① 2nd disk (requires Second HDD Adapter) ② 2nd battery  Compatible in ThinkPad 760 family: - Disks: (360/750/755 IDE disks not supported) 720 MB HDD II EIDE 12.5 mm 29H9383  |   |  |   |   | 9383<br>9319<br>9325<br>9333  | 7. Puma TranXit™ 8. Compuserv for Windows 9. Mind Path Presentation F/X Pro 10. COMPEL Personal Edition - Lotus SmartSuite 96 CD-ROM  FEATURES OF 760 MODELS   |  |  |  |  |
| <ul><li>IBM Wireless Mode<br/>(option)</li></ul>   | - Dock   (1 slot / 1 bay)   3545001     - Dock   (2 slot / 2 bay)   3546001     - Port Replicator   (w/ PCMCIA)   66G3510     - Port Replicator   (1 w/ PCMCIA)   - Port Rep |   |  |   |   | Product Map; LCD indicator panel<br>LCD of remaining battery life<br>LCD icons for two batteries<br>Plug and Play 1.0a<br>Discharge battery via mouse click<br>Non-disruptive battery exchange<br>Standby, suspend, and hibernation modes<br>US EPA Energy Star compliant |  |  |  |  |  |
| 2.16 GB with two 1.08  | entered by holding F1 when - PCMCIA Cartridge 84G1301 - 760 NiMH Battery (black) 41H9720   |   |  |   |   |   |  |  |  |  |  |
| Integrated Mwave™ D  ① Data modem funct ② Fax modem funct ③ Audio function (w ④ Telephone functio - Full duplex speak                              | etion (to 28.8 Kbps) ion (to 14.4 Kbps) eave table synthesis) on terphone  | es: - Li-lon Battery Pack II (gray) - Travel Quick Charger - FDD External Attachment Kit - Pentium 120/60 MHz upgrade - Car Battery Adapter - ThinkPad AC Adapter (50 watts) - 8 MB SO DIMM 3.3v non-parity EDO - 92G7315 |  |   |   |   | Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour /7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service |  |  |  |  |
| ⑤ Digital Simultane  |  |   | O DIMM 3.3v r<br>d headset             | non-parity EDO  |   | 7316  <br>1301  |  | secall (remote diagnostics)  |  |  |  |

| IBM® ThinkPad®:  |   |  |  |  | Thin   | kPad 760CD etropaths over 760C   |  |  |  |
|--|---|--|--|--|--|--|--|--|--|
|  | 12.1" TFT color - CD-ROM  |  | kPad 760CD strengths over 760C:  |  |  |  |  |  |  |
| Processor type<br>Processor upgrade<br>L2 cache<br>Removable diskette<br>Removable CD-ROM  | Pentium® 90/60 or 120/60 to Pentium 120/60 MHz fro 256 KB / write-through / dir 3.5" 1.44 MB $\bigcirc$ / use in Ult 5.25" CD-ROM $\bigcirc$ /4 x spee EIDE / PIO Mode 3 (ATAPI)  | m̀ 90/60 É<br>ect mapped / ˈ<br>raBay or attac   | 10 ns / synd<br>th externally  | chronous / soldered  | obile multimedia - MPC2 compliant<br>emovable, 4 x speed, 5.25" CD-ROM<br>deo card (acceleration, composite in/out)<br>pystick/MIDI port<br>PEG-1 and MPEG-2 HHR decoder |  |  |  |  |
|  | 9546-U11<br>SelectaSystem<br>90/60 Mhz<br>Oct 95 / Oct 96<br>1.2 GB / 12 ms / EIDE O /  | 95 Select<br>z 120/6<br>Oct 96 Jan 9   | ctaSystem<br>60 MHz<br>96 / Oct 96   | 9546-U1C<br>Windows 95<br>120/60 MHz<br>Jan 96 / Oct 96  |  | Integrated Mwave™ DSP provides:  ① Data modem function  - V.22bis, V.32, V.32bis, v.34 (28.8 Kbps)  ② Fax modem function  - G3 fax send/receive (14.4 Kbps)  ③ Audio function  - Stereo waveform record and playback   |  |  |  |
| Display - diagonal size<br>Display - type<br>Display - techology   | 12.1 inch<br>SVGA color / 640 x 480 or<br>Black Matrix TFT - active   |  |  |  |  | <ul> <li>Geound support (3-D effect)</li> <li>32 voice MIDI wave table synthesizer</li> <li>SoundBlaster™ support / text to speech</li> </ul>  |  |  |  |
| Graphics - controller<br>Graphics - external<br>Graph - arch/data path   | Trident™ CYBER9320 with<br>External SVGA to 1024 x 7<br>VL-Bus 2.0 local bus / 32 b   | 68 w/ 256 cold   |  |  | tilt   | - MPEG audio decode   Telephone function - Full telephone (can use opt headset)  |  |  |  |
| Memory - std / max<br>Memory - upgrade   | <b>8 MB</b> / 64 MB 70 ns / non 2 sockets for two JEDEC 88  | pin EĎO SO D   | IMMs of 8 or   | r 16 MB (acts like fast p  |  | <ul> <li>Telephone answering machine</li> <li>Full duplex speakerphone</li> <li>Digital Simultaneous Voice Data</li> </ul>   |  |  |  |
| Keyboard / # of keys<br>Keyboard slope<br>Pointing / palm rest<br>Ext keyboard support   | Full size alp/num / 85 (8 Find to mated tilt up keyboat TrackPoint III™ / integrate Yes (with option cable)   | rd (5.5 degreed palm rest  | ① 2nd<br>③ std c<br>⑤ 2.88<br>⑥ PCM  | t bay (UltraBay™) supports<br>disk; ② 2nd battery<br>diskette drive; ④ CD-ROM<br>MB diskette (option)<br>MCIA Cartridge (option)   |  | SELECTASYSTEMPRELOAD  - IBM DOS 7.0  - Windows 3.11  - OS/2 Warp 3.0 (dual boot) w/ selected   |  |  |  |
| Dimensions<br>Weight (with CD-ROM)   | · · · · · · · · · · · · · · · · · · ·   |  | ® IBM  | Wireless Modem ARDIS (o<br>Wireless Modem for Cellul<br>PD (option)  |  | BonusPak<br>- IBM PC Card Director™ 3.0  |  |  |  |
| Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off  | Lithium Ion / intelligent op<br>3.1 hours Nii<br>6.2 hours<br>2 to 3 hrs / 1.5 to 2.5 hrs   | ИН L<br>a  | nd remove  | p-up) keyboard to a<br>CD-ROM, diskette<br>c, and 1st/2nd batter   | drive,   | <ul> <li>Online Users Guide</li> <li>ThinkPad Features; Diskette Factory</li> <li>Lotus<sup>®</sup> cc:Mail<sup>™</sup>, e-mail for IBM Global<sup>®</sup> network; 2. Lotus Organizer<sup>™</sup></li> </ul>  |  |  |  |
| Architecture  Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports  | ISA (EIDE, audio, PCMCIA<br>VL-Bus 2.0 / 32 bit / 33 Mh<br>Dock I and II<br>Port Replicator I and II<br>2 Type I or 2 Type II or 1 T<br>One 9 pin; 16550A / one (II   | diskette, seria<br>z (graphics, Ar<br>ype III<br>EEE P1284-A,  | al, parallel, e<br>CSII)<br>Easy-Setu<br>when turnii<br>, EPP, ECP   | ext expansion, MPEG p is entered by holdir ng on. , bidirectional)   | 5)<br>ng F1  | 3. Lotus ScreenCam™ 4. Triton CoSession™ Host; 5. PRODIGN 6. SofNet FaxWorks™ Voice™ 7. Video For Windows™ 1.1 Runtime 8. Puma TranXit™; 9. COMPEL™ PE 0. Mind Path Presentation F/X Pro 1. Internetfor Windows  |  |  |  |
| Other features  Motion video (below) MPEG decoder DSP function Data/fax modem Audio support  Jacks Telephone Infrared ports Security   | Video acceleration / comp<br>MPEG-1 & MPEG-2 Half H<br>Mwave MDSP2780 DSP w<br>Data/fax modem functior<br>16 bit audio chip on plans<br>Int stereo speakers / .5 w<br>Input jack (3.5 mm) / Output<br>Telephone / answering ma<br>Infrared ports (front and<br>Power-on password / Hard   | osite and S-V<br>orizontal Res<br>ith modem, f<br>via DSP (v.3<br>ar with Mwav<br>att / slide volu<br>t jack (3.5 mm<br>chine / full dup<br>back) / IrDA 1<br>disk passwor   | dideo in/out<br>solution (HI<br>ax, audio, 1<br>4 to 28.8 KI<br>e DSP<br>ume contro<br>) / Joystick/<br>lex speake<br>.0 compat  | /game port (ASCII V'HR) decoder (MPEG<br>telephony function<br>ops) / Mwave 2.0<br>bl / internal microph<br>MIDI port (includes carphone<br>ible / up to 115 kbs<br>sor password / Lockii  | 7325)<br>GCD1)<br>none<br>able)  | <ul> <li>12. Compuserv for Win; 13. WIN32s Runtir</li> <li>14. NetFinity for Windows and OS/2</li> <li>15. Asymetrix<sup>®</sup> Digital Video Producer™         <ul> <li>Catalog/Sampler CD-ROM</li> <li>Complimentary Applications CD-ROM</li> <li>MPEG Sampler CD-ROM</li> <li>Lotus SmartSutie 4.0 CD-ROM</li> <li>WINDOWS 95 PRELOAD</li> </ul> </li> <li>Microsoft Windows 95</li> <li>Online User's Guide</li> <li>ThinkPad Features; Diskette Factory</li> </ul>   |  |  |  |
| Preinstalled software  | device keyhole (Kensingto<br>keyboard and DIMMS (req<br>Choice of two preload conf  | uires Kensing  | ton) / PC Ca   | ard lock   | tor  | Lotus <sup>®</sup> cc:Mail™, e-mail for IBM Global <sup>®</sup> network; 2. Lotus Organizer™     ScreenCam™  |  |  |  |
| Warranty   | 3 year - Think Pad EasySe   | v (optional Ov   | vernight Ré  | , ,  | -in  | 4. Triton CoSession™ Host; 5. PRODIGY® 6. SofNet FaxWorks™ Voice™  |  |  |  |
| MPEG motion video tion of image. Video screen without fram.  Composite in and Scapture (capture an or VCR), still image digitize still photo im video on LCD like w camcorder without composite out and meaning use a TV a (connect to video or record on VCR to hini game port for Includes a video in a (includes two video Use software called Plays back MPEG if | deo for Windows™ and with scaling and interpolation may be scaled up to full e rate degredation. S-Video in for video didigitize video from a TV capture (capture and lages), and overlay (view ith a TV, VCR, or capturing it to disk). Is S-Video out to TV is if an external display ut port; NTSC or PAL); le screen of 760CD. MIDI or joystick and video out ports in/out cables) Digital Video Producer™ motion videos, CD-Is, and Karaoke MPEG | 720 MB   1.08 GB   1.08 GB   1.2 GB   F   Second H   Dock I (1 - Dock II (2 - Port Repli - Port Repli - 1.44 MB (2 - 2.88 MB (2 - 760 NIM - Li-lon Ba - Travel Qu - FDD Exte - Pentium - Car Batte - 8 MB SO - 16 MB SO - 10 MB SO | SO/750/755<br>HDD II EID<br>HDD II (CD<br>IDD Adapte<br>slot / 1 bay<br>slot / 2 bay<br>icator I (w/<br>icator II<br>diskette<br>diskette<br>Cartridge<br>H Battery (k<br>ttery Pack<br>tick Charge<br>rmal Attach<br>120/60 MHz<br>ry Adapter<br>DIMM 3.3v<br>I TrackPoin | IDE disks not suppor E 12.5 mm 29HS 29HS 29HS 1,5 mm 2 | 9383<br>9319<br>9325<br>9333<br>9001<br>9001<br>3510<br>3520<br>9329<br>1522<br>3618<br>9340<br>2167<br>7315<br>7316<br>1354   | 7. Puma TranXit™ 8. Compuserv for Windows 9. Mind Path Presentation F/X Pro 10. COMPEL Personal Edition 11. Asymetrix® Digital Video Producer™ - Catalog/Sampler CD-ROM - MPEG Sampler CD-ROM - Lotus SmartSuite 96 CD-ROM  FEATURES OF 760 MODELS  Product Map; LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalized nameplate in indention Personalized rome en at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics) |  |  |  |

## IIM ThinkPad 760EL - withdrawn

| Processor type Processor upgrade L2 cache Removable diskette  | Pentium <sup>a</sup> 100/66, 120/66  |   |   |   |  |  |  |  |  |  |
|---|--|---|---|---|--|--|--|--|--|--|
| External FDD port<br>Removable CD-ROM   | 11.3" DSTN color or 12.1" TFT color - thick  Pentium <sup>a</sup> 100/66, 120/60, or 133/66 / 64 bit to L2 cache / 64 bit to mem to Pentium 133/66 MHz which includes 256 KB L2 cache  None (not separately upgradeable) 3.5" 1.44 MB O / use in UltraBay or attach externally via rear ext FDD port External FDD port (requires FDD External Attachment Kit 66G3618)  None / can upgrade to 4 x, 6 x, or 8 x CD-ROM into UltraBay |   |   |   |  |  |  |  |  |  |
| Price Type - model Preload (see side) Available date Pentium speed Remv disk - size / ms Disk controller  | 9547-U6G 9547-U6F Win 95 May 1996 120/60 MHz 120/60 MH 810 MB / 13 ms O EIDE / busmaster / PCI 2   | 1.08 GB / 13 ms O   | Pallette of 24<br>9547-U6R<br>Blank (none)<br>May 1996<br>120/60 MHz<br>810 MB<br>nal disks   | systems<br> U4S<br> 1.08 GB   | U4H U48<br>Win 95 OS/2 Conno<br>May 1996 July 1996<br>133/66 MHz<br>1.08 GB / 13 ms O  | Pallette 24 systems<br>9547-U4R<br>Blank (none)<br>May 1996<br>133/66 MHz<br>1.08 GB / 13 ms O   |  |  |  |  |
| Display - size and type   | 11.3 inch DSTN   | 12.1 inch TFT   | 11.3 DSTN   | 12.1 TFT  | 12.1 TFT   | 12.1 inch TFT  |  |  |  |  |
| Display - techology   | 11.3" SVGA color / 640<br>256 simultaneous colors  |   |   |   | color / 640 x 480 or 800<br>TFT - active matrix / 100  | x 600 / 65,536 sim colors<br>to 1 contrast ratio   |  |  |  |  |
| Graphics - controller<br>Graph - arch/data path<br>Gaphics - features<br>Memory - std / max   | Trident™ CYBER9320 / 32<br>PCI 2.1 / 32 bit / external Simultaneous LCD and C  | SVGA to 1024 x 768 w<br>RT / 180 degree tilt  | / 256 colors  |   | 1.08 GB = DMA N<br>1.2 GB = DMA N  | Mode 2 or PIO Mode 4<br>Mode 2 or PIO Mode 4<br>Mode 1 or PIO Mode 3<br>MB 16 MB / 80 or 104 MB  |  |  |  |  |
| Memory - features   | 70 ns / non-parity / 3.3 vol   | t / EDO / 2 sockets for   |   |   | SO DIMMs of 8, 16, 32 M  | МВ   |  |  |  |  |
| Keyboard / # of keys<br>Keyboard slope<br>Pointing / palm rest  | Full size alp/num / 85 (8 F<br>Automated tilt up keybo<br>TrackPoint IIIä / integrate  | ard (5.5 degrees)<br>d palm rest / ext keybo  | pard support (w   |   | - Microsoft Windo<br>- Online User's Gu  | uide   |  |  |  |  |
| Dimensions<br>Weight  | 11.3" models: 11.7 x 8.3 x 11.3" models: 6.7 pounds  | (3.04 kg) 12.1" m   | odels: 7.03 pc  |   | .00/  IIIIIIIII aar oatai  | r 4.0  |  |  |  |  |
| Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off   | Lithium Ion / intelligent (c<br>11.3" models: 3.1 hours<br>11.3" models: 6.2 hours<br>2 to 3 hrs / 1.5 to 2.5 hrs  | 12.1 <sup>"</sup> m   | upported)<br>nodels: 3.3 hou<br>nodels: 6.6 hou   |   | Triton CoSession     PRODIGY®     SofNet FaxWork     Puma TranXit™   | n™ Host  |  |  |  |  |
| Architecture  Docking Station Port replicator PC Card Standard slot Serial / parallel ports Other features  | ISA (audio, diskette, seria<br>PCI 2.1 / 32 bit / 33 Mhz (<br>Dock I and II / <b>SelectaDo</b><br>Port Replicator I and II / <b>S</b><br>s 2 Type I or 2 Type II or 1 T<br>One 9 pin; 16550A / one (<br>APM-aware BIOS / Slim A  | EÍDE, graphics, Cardl<br>ck I and II<br>electaDock Base Mo<br>ype III / CardBus 32 b<br>EEE P1284-A, EPP, E   | Bus, ext expar<br>del I<br>it PCI / PCMCI<br>CP, bidirection  | A 2.1 compatil  | 5. Compuserv for W 6. NetFinity for Win - Lotus SmartSuit  OS/2 WARP C - IBM OS/2 Warp   | dows 95 e 96 CD-ROM  ONNECT PRELOAD  Connect Version 3 with  |  |  |  |  |
| Video in/out MPEG decoder DSP function Data/fax modem Audio support   | None None None None 16 bit audio chip / 20 voi   | Liftable (pop-up) I<br>remove diskette d<br>2nd battery, and o<br>ce MIDI FM synthesis  | keyboard to ac<br>rive, 1st/2nd c<br>other UltraBay   | ccess and<br>disk, and 1s<br>options  | - Online User's Gu - ThinkPad Featur - PC Card Directo - Diskette Factory  | WIN-OS/2 with BonusPak applications Online User's Guide ThinkPad Features Program PC Card Director 4.0 Diskette Factory Triton CoSession™ Host;  |  |  |  |  |
| Jacks<br>Telephone<br>Infrared ports  | Input jack (3.5 mm) / Outpo<br>None<br>Infrared ports (front and   | ut jack (3.5 mm)  |   |   | <ol> <li>NetFinity for OS/</li> <li>Prodigy</li> </ol>   | 2 e 4.0 (entitled to SSuite 96)  |  |  |  |  |
| Security  | Power-on password / Handevice keyhole (Kensington DIMMS (requires Kensing  | on™ cable lock) / Sec⊩  | urity latch for k   | eyboard and   | - License for Sma  | NK PRELOAD<br>rtSuite  |  |  |  |  |
| Preinstalled software Warranty  | Windows 95 with applicati<br>3 year - ThinkPad EasySe  | ons (listed on right)<br>rv (optional Overnight   | Repair Option   | ) or carry-in   | ThinkPad 760E sup  | <u> </u>   |  |  |  |  |
| 2 2nd battery 3 std diskette drive 4 2.88 MB diskette d 5 PCMCIA Cartridge 6 IBM Wireless Mod 7 IBM Wireless Mod (option)  Maximum internal dis 4.2 GB with two 2.1 ( | rive (option) (option) (option) em for ARDIS (option) em for Cellular/CDPD sk capacity on 760EL is GB disks d by holding F1 when ported batteries: black) 41H9720 II (gray) 29H9329 er 85G1522   | Compatible in Think Second HDD Ada Dock I (1 slot / 1) Dock II (2 slot / 2) IDE Conversion ( SelectaDock II SelectaDock II Port Replicator II SelectaDock Ba 2.88 MB diskette PCMCIA Cartridg FDD External Att Pentium 133/66 M 35 watt AC Adapt 4 x CD-ROM (Ult 6 x CD-ROM (Ult 8 MB SO DIMM 3 16 MB SO DIMM 3 | apter bay) bay) Card (for Dock  (w/ PCMCIA sl se Model I ge (one Type III achment Kit IHz/L2 upgrade ter (slim, 4 pin) raBay) raBay) raBay) 3v NP EDO 64 3.3v NP EDO 66 | 29H933<br>354500<br>354600<br>II) 46H599<br><b>354700</b><br>354700<br>ots) 66G351<br>66G352<br>39H740<br>66G361<br>646H599<br>76H011<br>39H741<br>85G195<br>45H878<br>bit 92G734 | - 1.4 GB HDD 3L EI - 2.1 GB (1.96" in high - 3.0 GB (1.96" + mo - 3.0 GB | DE 12.5 mm 29H9319 gher models) 29H9325 DE 12.5 mm 69H8412 gher models) 69H8414 45H8789  DF 760 MODELS  e page) el  ia mouse click ery exchange safe suspend, and sar compliant plate in indention een at startup anty Service |  |  |  |  |

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). ○ = Removable 
Models U4F, U4H, U4R, U4S, U48 withdrawn effective January 1997; U6F eff July 1997

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# IBM ThinkPad 760EL (Fall 1996 models) - withdrawn

| IBM <sup>®</sup> ThinkPad <sup>®</sup> :  | <b>&gt;&lt; 760EL</b><br>11.3" SVGA DSTN or 12.1¹   | " SVGA   | TFT - thick  |            |   |   |  |   |  |
|---|---|--|--|------------|---|---|--|---|--|
| Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM   | Pentium® 120/60 or 133/66 / 64 bit to L2 cache / 64 bit to memory to Pentium 133/66 MHz which includes 256 KB L2 cache None (not separately upgradeable) 256 KB / write-back / direct mapped / 10 ns / synchronous pipelined burst 3.5" 1.44 MB ○ / use in UltraBay or attach externally via rear ext FDD port External FDD port (requires FDD External Attachment Kit 66G3618) None / can upgrade to optional CD-ROM into UltraBay |  |  |            |   |   |  |   |  |
| Price Type - model Preload (see side) Avail / withdrawn date Pentium speed Remv disk - size / ms Disk controller  | 9547-U6H<br>Windows 95<br>October 1996 / July 1997<br>120/66 MHz  | 9547-U4G<br>Windows 95<br>October 1996 / October 1997<br>133/66 MHz<br>2.1 GB / 13 ms O Pallette of 24<br>9547-U4T<br>Blank (none)<br>October 1996<br>133/66 MHz<br>2.1 GB / 13 ms O 2.1 GB / 13 ms  |  |            |   | 9547-U4K<br>e) Windows NT 4.1<br>Nov 1996 / July<br>133/66 MHz  |  | y 1997  |  |
| Display - size and type   |   |  | 12.1 inch TFT  |            | 12.1 inch T   | FT  | 12.1 inch TFT  |   |  |
| Display - techology   | 11.3" SVGA color / 640 x<br>256 simultaneous colors / I   |  |  |            |   | olor / 640 x 480, 80<br>FT - active matrix /  |  |   |  |
| Graphics - controller<br>Graph - arch/data path   | PCI 2.1 / external SVGA to  | 1024 x   |  |            |   | ER9385/64 bit SVG<br>nal SVGA to 1024 >   |  |   |  |
| Graphics - features   | Simultaneous LCD and CR   | (1/180)  |  | _          | 40 MD / 00  | MD 404 MD   | L OO MED (OO MED   | 404 MD  |  |
| Memory - std / max<br>Memory - features   |   |  | <b>16 MB</b> / 72 MB or 104 MB<br>2 sockets for 2 JEDEC 144 p  | in l       |   |   |  |   |  |
| Keyboard / # of keys<br>Keyboard slope<br>Pointing / palm rest  | Full size alp/num / 85 (8 Find Automated tilt up keyboat TrackPoint IIITM / integrate   | r <b>d</b> (5.5 d  |  | ith        | option cable)   | - Microsoft Windo   |  |   |  |
| Dimensions<br>Weight  |   | 1.98" (1   | 92) 12.1" models: 11.7 x 8   | .3         | x 2.0" (194)  | Online User's G     ThinkPad Featu     PC Card Direct   | ires   |   |  |
| Battery - type<br>Battery - life (1 batt)<br>Battery - life (2 batt)<br>Charge time - on / off  | Lithium Ion / intelligent<br>11.3" models: 2.7 hours<br>11.3" models: 5.4 hours<br>2 to 3 hrs / 1.5 to 2.5 hrs  | (option  | nal NiMH battery supported)<br>  12.1" models: 3.0 hou<br>  12.1" modles: 6.0 hou  |            |   | - Diskette Factor<br>1. Triton CoSession<br>2. Puma TranXit™<br>3. Compuserv for  | y<br>on™ Host  |   |  |
| Architecture  Docking Station   | ISA (audio, diskette, serial<br>PCI 2.1 / 32 bit / 33 Mhz (E<br>Dock I and II / <b>SelectaDoc</b>   | EIDE, gr   | NetFinity for Windows 95     Lotus SmartSuite 96 CD-ROM  |            |   |   |  |   |  |
| Port replicator   | Port Replicator I and II / Se<br>2 Type I or 2 Type II or 1 Ty<br>One 9 pin; 16550A / one (IE   | electaDo<br>pe III / C   |  | al)        |   | WINDOWS NT 4.0 PRELOAD  Microsoft Windows NT 4.0 Workstation with utilities and device drivers  NT model with 32 MB consists of 8 MB on planar, 8 MB in memory carrier, and 16 MB via a SO-DIMM. One SO-DIMM socket is available.  BLANK PRELOAD  License for SmartSuite  ThinkPad 760EL supported batteries:  760 NiMH Battery (black)  41H9720  |  |   |  |
| Video in/out<br>MPEG decoder<br>DSP function<br>Data/fax modem  | None<br>None<br>None<br>None  | remov  | ole (pop-up) keyboard to ac<br>ve diskette drive, 1st/2nd di<br>nd battery, and other UltraE   | sk         | , and   |   |  |   |  |
| Audio support<br>Jacks  | 16 bit audio chip / 20 voic<br>Int stereo speakers / .5 wat<br>Input jack (3.5 mm) / output   | t / slide  | volume control / internal micr   | ор         | hone  |   |  |   |  |
| Telephone<br>Infrared ports   | None Infrared ports (front and  | back)/I  | IrDA 1.0 compatible / up to  | 11         | 5 kbs   |   |  |   |  |
| Security  | Power-on password / Hard<br>Security keyhole (requires  | l disk pa<br>cable) /  | ssword / Supervisor passwo<br>/ Security latch for keyboard a<br>lock / Personalization / Secu   | rd /       | ,<br>d  | - Li-Ion Battery Pa<br>- Travel Quick Ch<br>- Car Battery Ada   | arger pter   | 29H9329<br>85G1522<br>49G2167   |  |
| Preinstalled software Warranty  | Windows 95 with application 3 year - ThinkPad EasySet   |  | ed on right)<br>nal Overnight Repair Option)   | or         | carry-in  | ThinkPad 760E su<br>- (360/750/755 ID   | E disks not suppo  |   |  |
| The left bay (UltraBay) ① 2nd disk (requires S) ② 2nd battery ③ std diskette drive ④ 2.88 MB diskette drive ⑥ PCMCIA Cartridge ( ⑥ IBM Wireless Mode ⑦ IBM Wireless Mode (option)  Maximum internal disk 4.2 GB with two 2.1 G  Easy-Setup is entered turning on.  810 MB = DMA Mode 1.08 GB = DMA Mode 1.2 GB = DMA Mode 2.1 GB = DMA Mode 2.1 GB = DMA Mode 2.1 GB = DMA Mode Maximum is 80 MB or models, but 104 MB re Proven vendor option. | ive (option) (option) m for ARDIS (option) m for Cellular/CDPD ccapacity on 760EL is B disks I by holding F1 when 2 2 or PIO Mode 4 2 1 or PIO Mode 4 2 1 or PIO Mode 4 2 2 or PIO Mode 4 3 2 2 or PIO Mode 4 4 2 2 or PIO Mode 4 6 2 2 or PIO Mode 4 7 1 04 MB on all  | - Secion - Docon - Doc | atible in ThinkPad 760EL fam ond HDD Adapter ik I (1 slot / 1 bay) ik II (2 slot / 2 bay) Conversion Card (for Dock I ectaDock II ectaDock II ectaDock III tapped in the properties of the prope | oit<br>bit | 29H9333<br>3545001<br>3546001<br>46H5994<br><b>3547001</b><br><b>3547002</b><br><b>3547003</b><br>66G3510<br>66G3520<br><b>39H7405</b><br>66G0108<br>84G1301<br>66G3618<br>46H5991<br>76H0119<br><b>39H7413</b><br><b>85G1957</b><br><b>45H8786</b><br><b>00K7903</b><br><b>92G7340</b> | - 720 MB HDD III - 810 MB HDD III - 810 MB HDD III - 1.08 GB HDD III - 1.2 GB (1.96"+ n - 1.4 GB HDD 3L - 2.1 GB (1.96"+ n - 3.0 GB (1.96"+ n - 3.0 GB (1.96"+ n  FEATURES  Setup Pointer (sing LCD indicator par Plug and Play 1.0a Discharge battery Non-disruptive batt Standby, suspend, hibernation mode US EPA Energy St Personalization sc International War 24 hour / 7 day tel board, fax, elect (http://www.pc.i IBM and dealer wa Online Housecall | EIDE 12.5 mm EIDE 12.5 mm nodels) 17 mm EIDE 12.5 mm nodels) 17 mm OF 760 MODEL gle page) nel via mouse click tery exchange safe suspend, ar is ar compliant epplate in indention reen at startup ranty Service ephone, bulleti ronic, and Inter bm.com) suppo | 29H9313<br>29H9319<br>29H9319<br>29H9326<br>69H8412<br>69H8414<br>45H8789<br><b>S</b> |  |

## ThinkPad 760ELD - withdrawn

| IBM <sup>®</sup> ThinkPad <sup>®</sup> :  | <b>★ 760ELD</b> 12.1" TFT color - CD-ROM   | 1   |  |   |   |  |  |  |
|---|--|---|--|---|---|--|--|--|
| Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM   | Pentium® 100/66 (P54LM to Pentium 133/66 MHz w None (not separately upgr 3.5" 1.44 MB O / use in UI External FDD port (require 5.25" CD-ROM O / 4 x sp EIDE / PIO Mode 3 (ATAL | n) / 64 bit to<br>hich include<br>adeable)<br>ItraBay or a<br>es FDD Ext<br>beed / mult                                   | button   | WINDOWS 95 PRELOAD  - Microsoft Windows 95  - Online User's Guide  - ThinkPad Features  - PC Card Director 4.0  - Diskette Factory  |   |  |  |  |
| Remv disk - size / ms<br>Disk controller  | 9547-U3F<br><b>Windows 95</b><br>May 1996 / 1997<br><b>810 MB</b> / 13 ms O / DMA I<br>Enhanced IDE / busmaste   | r / PCI 2.1 /   |  | <ol> <li>Triton CoSessión™ Host;</li> <li>PRODIGY®</li> <li>SofNet FaxWorks™ Fax</li> <li>Puma TranXit™</li> <li>Compuserv for Windows</li> <li>NetFinity for Windows 95</li> <li>Lotus SmartSuite 96 CD-ROM</li> </ol> |   |  |  |  |
| Display - size and type<br>Display - techology  | 12.1 inch SVGA color / 64<br>Black Matrix TFT - active   |   | <b>800 x 600 / 65,536 simultaneou</b> s 00 to 1 contrast ratio   | is colors   | Estad emarteano de estados  |  |  |  |
| Graphics - controller<br>Graph - arch/data path<br>Gaphics - features<br>Graphics - external  |  | RT / 180 deg  |  | '0 ns   |   |  |  |  |
| Memory - std / max<br>Memory - upgrade  | 8 MB / 72 MB 70 ns / non<br>2 sockets for two JEDEC  |   | B volt / EDO<br>O SO DIMMs of 8, 16, 32 MB   |   |   |  |  |  |
| Keyboard / # of keys<br>Keyboard slope<br>Pointing / palm rest  | Full size alp/num / 85 (8 F<br>Automated tilt up keyboa<br>TrackPoint III™ / integrate   | <b>ard</b> (5.5 dec   |  | n cable)  |   |  |  |  |
| Dimensions<br>Weight (with CD-ROM)  | 11.7 x 8.3 x 2.14" (208 cub<br>7.28 pounds (3.30 kg)   | oic inches)   |  |   |   |  |  |  |
| Battery - type<br>Battery - life (1 batt)<br>Battery - life (2 batt)<br>Charge time - on / off  | Lithium Ion / intelligent opi<br>3.2 hours<br>6.4 hours<br>2 to 3 hrs / 1.5 to 2.5 hrs   | tional<br>MH  | Liftable (pop-up) keyboard to<br>and remove CD-ROM, diskette<br>1st/2nd disk, and 1st/2nd batte                              | e drive,  |   |  |  |  |
| Architecture  | ISA (audio, diskette, seria<br>PCI 2.1 / 32 bit / 33 Mhz (f  |   | nfrared, ext expansion)<br>hics, CardBus, ext expansion)   |   |   |  |  |  |
| Docking Station<br>Port replicator<br>PC Card Standard slots<br>Serial / parallel ports<br>Other features   | Dock I and II / SelectaDoc<br>Port Replicator I and II / Se<br>2 Type I or 2 Type II or 1 Tone 9 pin; 16550A / one (II   | ck I, II and<br>electaDocl<br>ype III / Car<br>EEE P1284  | III  |   | Easy-Setup is entered by holding F1 when turning on.  |  |  |  |
| Video in/out<br>MPEG decoder<br>DSP function<br>Data/fax modem  | None<br>None<br>None<br>None   | ·   |  |   | 810 MB = DMA Mode 2 or PIO Mode 4<br>1.08 GB = DMA Mode 2 or PIO Mode 4<br>1.2 GB = DMA Mode 1 or PIO Mode 3  |  |  |  |
| Audio support  Jacks Telephone Infrared ports   | Input jack (3.5 mm) / Outpu<br>None  | tt / slide vol<br>ıt jack (3.5 r  | ume control / internal microphone  |   | ThinkPad 760 ELD supported disks: - (360/750/755 IDE disks not supported) - 720 MB HDD II EIDE 12.5 mm 29H938: - 810 MB HDD II EIDE 12.5 mm 29H931: - 1.08 GB HDD II EIDE 12.5 mm 29H9311   |  |  |  |
| Security  Preinstalled software   | device keyhole (Kensingto  | on™ cable le<br>ton) / PC Ca  | word / Supervisor password / Locl<br>ock) / Security latch for keyboard<br>ard lock / Personalization / Securit<br>on right) | dand  | - 1.2 GB (1.96"+ models) 17 mm 29H9325<br>- 1.4 GB HDD 3L EIDE 12.5 mm 69H8412<br>- 2.1 GB (1.96"+ models) 17 mm 69H8414<br>- 3.0 GB (1.96"+ models) 17 mm 45H8789  |  |  |  |
| Warranty  | 3 year - ThinkPad EasySe   | rv (optional  | Overnight Repair Option) or carry  | ry-in _   | - 5.1 GB (1.96" or higher models) 00K7902<br>ThinkPad 760E supported batteries:   |  |  |  |
| The left bay (UltraBay ① 2nd disk ② 2nd battery ③ std diskette drive ④ CD-ROM   | ™) supports:   | - Secon<br>- Dock I<br>- Dock I   | (1 slot / 1 bay) 354   | H9333<br>45001<br>46001<br>H5994  | - 760 NiMH Battery (black) 41H9720<br>- Li-Ion Battery Pack II (gray) 29H9329<br>- Travel Quick Charger 85G1522<br>- Car Battery Adapter 49G2167  |  |  |  |
| <ul> <li>\$ 2.88 MB diskette (o)</li> <li>\$ PCMCIA Cartridge (o)</li> <li>\$ IBM Wireless Mode</li> <li>\$ IBM Wireless Mode</li> <li>\$ CDPD (option)</li> </ul> All 760 systems supposattery in both battery | (option) m ARDIS (option) m for Cellular/ ort the NiMH or Li-Ion bay and UltraBay. k capacity on 760ELD is   | - Select - Port R - Port R - Select - 2.88 M - PCMC - FDD E - Pentiu - 4 x CD - 6 x CD - 8 x CD - 8 20 x - 8 MB S - 16 MB | ### ##################################   | 47001<br>G3510<br>G3520<br>H7405<br>G0108<br>G1301<br>G3618<br>H5991<br>H7413<br>G1957<br>H8786<br>K7903<br>G7340<br>G7341<br>G7342   | FEATURES OF 760 MODELS  Setup Pointer (single page) LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics) |  |  |  |

# ThinkPad 760E (SVGA) - withdrawn

| IBM® ThinkPad®:  | ≈ 760E  | ≈ 760E  | A TET 41:  |   | Kev dif                       | ferences betwee   | n 760E and 760ED:  |  |  |
|--|---|---|--|---|-------------------------------|---|--|--|--|
| Processor type   | 12.1" SVGA TFT - thick Pentium® 120/60 or 133   | 12.1" SVG/<br>3/66 (P54LM   |  | cache / 64 hit to mem   | ] ′                           | 760E  | 760ED  |  |  |
| Processor upgrade L2 cache Removable diskette External FDD port  | to Pentium 133/66 MHz fi<br>256 KB / write-back / direc<br>3.5" 1.44 MB O / in Ultral<br>External FDD port  | rom 120/60<br>ct mapped / 1<br>Bay<br>I None                                | 10 ns / synchror   | nous pipelined burst  | No std<br>No vide<br>No joys  | CD-ROM<br>eo in/out<br>stick/MIDI port<br>EG decoder  | Standard CD-ROM<br>Video in/out and cable<br>Joystick/MIDI port<br>MPEG decoder          |  |  |
| Removable CD-ROM   | None / upgrade CD-ROM   |   | n not install a C  | D-ROM (too thin)  | Lighter                       |   | Heavier  |  |  |
| Price Type - model Preload (see side) Avail / withdrawn date Pentium speed Remv disk - size / ms Disk controller Display - size and type | 9546-U3B  | 9546-U4B<br>Windows 9<br>May 1996 9<br>120/60 MH<br>810 MB / 12.1 / support | <b>95</b><br>/ Jan 1997<br><b>Iz</b><br>13 ms  |   |                               | WINDOWS 95 PRELOAD  - Microsoft Windows 95  - Online User's Guide  - ThinkPad Features  |  |  |  |
| Display - techology  | Black Matrix TFT - active   | e matrix / 10   | 00 to 1 contrast   | ratio   |                               | PC Card Directo<br>Diskette Factory   |  |  |  |
| Graphics - controller<br>Graph - arch/data path<br>Gaphics - features  | Trident™ CYBER9320 / 3:<br>PCI 2.1 / 32 bit / external<br>Simultaneous LCD and C  | SVGA to 10<br>RT / 180 de   | 24 x 768 w/ 256<br>gree tilt   | 6 colors  | 2.<br>3.                      | Triton CoSession<br>PRODIGY®<br>SofNet FaxWork<br>Puma TranXit™   |  |  |  |
| Memory - std / max<br>Memory - features<br>Memory - upgrade  | 8 MB / 72 MB or 104 MB<br>70 ns / non-parity / 3.3 vo<br>2 sockets for two JEDEC  | lt / EDO<br>: 144 pin ED  | O SO DIMMs   |   | 1B 5.<br>6.                   | Compusery for W<br>NetFinity for Win<br>Lotus SmartSuite  | dows 95  |  |  |
| Keyboard / # of keys<br>Keyboard slope<br>Pointing / palm rest   | Full size alp/num / 85 (8 l<br>Automated tilt up keybo<br>TrackPoint III™ / integrat  | ed palm rest  | grees)<br>:/ext keyboard   | <u> </u>  | able) - Li                    | BLANK I   | <b>PRELOAD</b><br>Suite  |  |  |
| Dimensions<br>Weight   | 11.7 x 8.3 x 2.14" (208)<br>7.06 pounds (3.20 kg)   |   | x 1.92" (186 cu<br>ds (3.07 kg)  | bic inches)   |                               |   |  |  |  |
| Battery - type<br>Battery - life (1 batt)<br>Battery - life (2 batt)<br>Charge time - on / off   | Lithium Ion / intelligent Of 3.4 hours N 6.8 hours 2 to 3 hrs / 1.5 to 2.5 hrs  | otional<br>iMH  | and remove of disk, and 1st  | -up) keyboard to acco<br>diskette drive, 1st/2nd<br>/2nd battery (thick<br>oort CD-ROM) |                               |   |  |  |  |
| Architecture  Docking Station Port replicator  | ISA (audio, diskette, seria<br>PCI 2.1 / 32 bit / 33 Mhz (<br>Dock I and II / <b>SelectaDo</b><br>Port Replicator I and II / <b>\$</b><br>2 Type I or 2 Type II or 1 To<br>One 9 pin; 16550A / one (<br>APM-aware BIOS / Slim A | (EIDE, grap<br>ock I and II<br>SelectaDoc<br>Type III / Car<br>IEEE P1284   | hics, CardBus,<br>k Base Model<br>rdBus 32 bit Po<br>1-A, EPP, ECP,                      | ext expansion)  I CI / PCMCIA 2.1 compati bidirectional)                                | wh<br>81<br>ible 1.0          | nen turning on.<br>0 MB = DMA M<br>08 GB = DMA M  | ode 2 or PIO Mode 4<br>ode 2 or PIO Mode 4<br>ode 2 or PIO Mode 4<br>ode 1 or PIO Mode 3 |  |  |
| Video in/out MPEG decoder DSP function Data/fax modem  | None<br>None<br>Mwave MDSP2780 DSP<br>Data/fax modem function   | with moder  | n, fax, audio, t   | elephony function   |                               | emory is upgrade<br>ThinkPad Proven   | eable to 104 MB with a option.   |  |  |
| Audio support  Jacks Telephone Infrared ports  | Int stereo speakers / .5 v<br>Input jack (3.5 mm) / Outp<br>Telephone / answering m<br>Infrared ports (front and  | nar with Mw<br>watt / slide v<br>out jack (3.5 r<br>nachine / full          | vave DSP<br>volume contro<br>mm)<br>duplex speake  | I / internal microphorerphone / DSVD  | - 7<br>- L<br>- T             | ThinkPad 760E supported batteries:  - 760 NiMH Battery (black) 41H9720  - Li-Ion Battery Pack II (gray) 29H9329  - Travel Quick Charger 85G1522 |  |  |  |
| Security   | Power-on password / Har device keyhole (Kensingt DIMMS (requires Kensing  | on™ cable l   | ock) / Security  | latch for keyboard and  | d<br>Plate Thi                | - Car Battery Adapter 49G2167 ThinkPad 760E supported disks:  |  |  |  |
| Preinstalled software<br>Warranty  | Windows 95 with applicat 3 year - ThinkPad EasySo   | ions (listed o  | on right)<br>I Overnight Rep   | pair Option) or carry-in  | - 72<br>- 8                   | - (360/750/755 IDE disks not supported)<br>- 720 MB HDD II EIDE   |  |  |  |
| ① 2nd disk (requires S<br>② 2nd battery<br>③ std diskette drive<br>④ 2.88 MB diskette drive  |   |   |  |   |                               | .4 GB HDD 3L E  | igher models) 29H9325  |  |  |
| © PCMCIA Cartridge ( © IBM Wireless Mode ( IBM Wireless Mode (option)  | m for ÁRDIS (option)<br>m for Cellular/CDPD   | - Select<br>- Select<br>- Port Re   | aDock I<br>aDock II<br>eplicator I (w/ P<br>eplicator II                                 | 354700<br>354700<br>2CMCIA slots) 66G351<br>66G352                                      | 1 S<br>10 L<br>20 P           | etup Pointer (sing<br>CD indicator pa<br>lug and Play 1.0a  | nel<br>a   |  |  |
| 4.2 GB with two 2.1 G<br>2.8 GB with two 1.4 G<br>Easy-Setup is entered  | m internal disk capacity on 760E is vith two 2.1 GB disks (thick models) or vith two 1.4 GB disks (thin models) vitu is entered by holding F1 when   - SelectaDock Base Model I   |   |  |   |                               | hibernation mode  | ttery exchange<br>I, safe suspend, and<br>es   |  |  |
| turning on.  Integrated Mwave™ D  ① Data modem funct ② Fax modem functi ③ Audio function (w: ④ Telephone functio                         | tion (to 28.8 Kbps)<br>on (to 14.4 Kbps)<br>ave table synthesis)  | - 35 wat<br>- 4 x CD<br>- 6 x CD<br>- 8 MB S<br>- 16 MB                     | t AC Adapter (s<br>-ROM (for thick<br>-ROM (for thick<br>O DIMM 3.3v N<br>SO DIMM 3.3v I | slim, 4 pin) 76H011<br>k model) <b>39H741</b>   | 19 P<br>13 P<br>57 Ir<br>40 2 | ersonalization sonternational Wai<br>4 hour / 7 day te<br>board, fax, elec  | eplate in indention<br>creen at startup  |  |  |
| Full duplex speak     Digital Simultaneo   | erphone   |   |  |   |                               | BM and dealer w   |  |  |  |

# ThinkPad 760E (XGA) - withdrawn

| IBM <sup>®</sup> ThinkPad <sup>®</sup> :  |   |   |   | Ke   | y differences between 760E and 760ED:  |  |  |
|---|---|---|---|--|--|--|--|
| Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM   | None<br>256 KB / write-back / direct<br>3.5" 1.44 MB O / in Ultra   | t mapped /<br>Bay<br>es Externa   | oit to L2 cache / 64 bit to memory  10 ns / synchronous pipelined burst  I FDD Attachment Kit 66G3618)  D-ROM into UltraBay   | 760E 760ED  std CD-ROM Standard CD-ROM Video in/out and cable joystick/MIDI port MPEG decoder hter Heavier Price P |  |  |  |
| Price Type - model Preload (see side) Remv disk - size / ms Disk controller Avail / withdrawn date  | 9546-U9B<br>Windows 95<br>2.1 GB / 12 ms O<br>EIDE / busmaster / PCI 2<br>October 1996 / October 19   |   | ts two internal disks (so 4.2 GB max  | Pri  | WINDOWS 95 PRELOAD  - Microsoft Windows 95  - Online User's Guide  |  |  |
| Display - size and type<br>Display - techology  | 12.1 inch XGA color / 640<br>Black Matrix TFT - active  | x 480, 800<br>matrix / 1  | <b>9 x 600, or 1024 x 768 / 65,536 siml c</b> 00 to 1 contrast ratio  | olors  | - ThinkPad Features<br>- PC Card Director 4.0<br>- Diskette Factory  |  |  |
| Graphics - controller<br>Graph - arch/data path<br>Graphics - features<br>Graphics - external   | PCI 2.1 / 32 bit / <b>DCI</b> , <b>Dire</b><br>Simultaneous LCD and CI  | ctDraw, E   |   |  | Triton CoSessión™ Host     SofNet FaxWorks™ Voice™     Puma TranXit™     Compuserv for Windows   |  |  |
| Memory - std / max<br>Memory - features<br>Memory - upgrade   | 16 MB / 80 MB (104 MB w<br>70 ns / non-parity / 3.3 vol<br>2 sockets for two JEDEC  | t / EDO   | ad Proven option)<br>DO SO DIMMs of 8, 16, 32 MB  |  | NetFinity for Windows 95     Lotus SmartSuite 96 CD-ROM  |  |  |
| Keyboard / # of keys<br>Keyboard slope<br>Pointing / palm rest  | <u> </u>  | <b>ard</b> (5.5 de<br>ed palm res   |   | able)  |  |  |  |
| Dimensions<br>Weight  | 11.7 x 8.3 x 2.0" (194 cubi<br>6.41 pounds (2.91 kg)  |   |   |  |  |  |  |
| Battery - type<br>Battery - life (1 batt)<br>Battery - life (2 batt)<br>Charge time - on / off  | Lithium Ion / intelligent op<br>2.6 hours Ni<br>5.2 hours<br>2 to 3 hrs / 1.5 to 2.5 hrs  | tional<br>MH  | Liftable (pop-up) keyboard to acc<br>and remove diskette drive, 1st/2r<br>disk, and 1st/2nd battery (thick<br>models support CD-ROM)  |  |  |  |  |
| Architecture  Docking Station Port replicator PC Card Standard slots Serial / parallel ports Other features   | ISA (audio, diskette, seria<br>PCI 2.1/32 bit/33 Mhz (<br>Dock I and II/ SelectaDo<br>Port Replicator I and II/S<br>2 Type I or 2 Type II or 1 T<br>One 9 pin; 16550A / one (I<br>APM-aware BIOS / Slim A | EIDE, grap<br>ck I and II<br>electaDoc<br>ype III / Ca<br>EEE P128  | Easy-Setup is entered by holding F1 when turning on.  810 MB = DMA Mode 2 or PIO Mode 4  1.08 GB = DMA Mode 2 or PIO Mode 4   |  |  |  |  |
| Video in/out<br>MPEG decoder<br>DSP function<br>Data/fax modem  | Data/fax modem functio  | n via DSP   | m, fax, audio, telephony function<br>(v.34 to 33.6 Kbps) / Mwave 2.1  |  | 1.2 GB = DMA Mode 1 or PIO Mode 3<br>1.35 GB = DMA Mode 2 or PIO Mode 4<br>2.1 GB = DMA Mode 2 or PIO Mode 4   |  |  |
| Jacks Telephone Infrared ports  | Input jack (3.5 mm) / Output<br>Telephone / answering m   | ratt / slide<br>ut jack (3.5<br>achine / ful  | volume control / internal micropho  | one  | ThinkPad 760E supported batteries:  - 760 NiMH Battery (black) 41H9720  - Li-Ion Battery Pack II (gray) 29H9329  - Travel Quick Charger 85G1522  - Car Battery Adapter 49G2167   |  |  |
| Security  | Security keyhole / Securit  | v latch for l   | word / Supervisor password /<br>keyboard and<br>ird lock / Personalization / Security P   | late   | ThinkPad 760E supported disks: - (360/750/755 IDE disks not supported)   |  |  |
| Preinstalled software<br>Warranty   | Windows 95 with applicati 3 year - ThinkPad EasySe  | ons (listed<br>erv (optiona   | on right)<br>ıl Overnight Repair Option) or carry-ir  | n  | - 720 MB HDD II EIDE 12.5 mm 29H9383<br>- 810 MB HDD II EIDE 12.5 mm 29H9313<br>- 1.08 GB HDD II EIDE 12.5 mm 29H9319  |  |  |
| The left bay (UltraBay<br>① 2nd disk (requires S<br>② 2nd battery<br>③ std diskette drive<br>④ 2.88 MB diskette dri   | Second HDD Adapter)   | - Secon<br>- Dock I<br>- Dock I   | ble in ThinkPad 760E family:<br>d HDD Adapter 29H93:<br>(1 slot / 1 bay) 354500<br>I (2 slot / 2 bay) 354600<br>Driversion Card (for Dock I/II) 46H59   | - 1.2 GB (1.96"+ models) 17 mm 29H9325<br>- 1.4 GB HDD 3L EIDE 12.5 mm 69H8412<br>- 2.1 GB (1.96"+ models) 17 mm 69H8414<br>- 3.0 GB (1.96"+ models) 17 mm 45H8789<br>- 5.1 GB (1.96"+ models) 17 mm 00K7902   |  |  |  |
| <ul><li>⑤ PCMCIA Cartridge (</li><li>⑥ IBM Wireless Mode</li><li>⑦ IBM Wireless Mode (option)</li></ul>   | m for ARDIS (option)  | - Select<br>- Select<br>- Select<br>- Port R  | aDock II 354700 aDock III 354700 aDock III 354700 eplicator I (w/ PCMCIA slots) 66G35 eplicator II 66G35  | 01<br>02<br>03<br>10   | FEATURES OF 760 MODELS  Setup Pointer (single page)  LCD indicator panel  Plug and Play 1.0a   |  |  |
| Maximum internal disk<br>10.2 GB with two 5.1 C<br>Easy-Setup is entered  | GB disks  | Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes |   |  |  |  |  |
| turning on.  Integrated Mwave™ D  ① Data modem functi ② Fax modem functi ③ Audio function (wa ④ Telephone functio - Full duplex speake ⑤ Digital Simultaneo | tion (to 28.8 Kbps) on (to 14.4 Kbps) ave table synthesis) n erphone  | - 35 wat<br>- 4 x CD<br>- 6 x CD<br>- 8 x CD<br>- 8 - 20 :<br>- 8 MB S<br>- 16 MB                                       | External Attachment Kit 66G36 76H01 76H01 76H01 39H74 85G19 76H01 85G19 76H01 | 19<br><b>13</b><br><b>57</b><br><b>86</b><br><b>03</b><br><b>40</b>  | US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics) |  |  |
| This I Dead Second  |   | 227   | service picks up ThinkPad at A  | II Ama   | demarks are the property of their respective owners  |  |  |

# III ThinkPad 760ED (SVGA) - withdrawn

| IBM® ThinkPad®:  | <b>≍</b> 760ED   |  |  | ThinkPad 760ED strengths over 760CD:  |  |  |
|--|--|--|--|---|--|--|
|  | 12.1" SVGA TFT- 4 x CD-F   | ROM - Enha   | anced Video - MPEG   | → Pentium 133/66 MHz (vs 120/60 MHz)  |  |  |
| Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM  | None<br>256 KB / write-back / direc<br>3.5" 1.44 MB O / use in Ult<br>External FDD port (requires<br>5.25" CD-ROM O / 4 x spi  | ,<br>t mapped /<br>traBay or a<br>s External F<br><b>eed /</b> multi-  | t to L2 cache / 64 bit to memory  10 ns / synchronous pipelined burst ttach externally via rear ext FDD port DD Attachment Kit 66G3618) session / XA / play with eject button Bay which supports several devices   | ⇒ PCI bus (vs VL-Bus) ⇒ 16 MB EDO memory (vs 8 MB fast page) ⇒ 64 bit path to memory (vs 32 bit) ⇒ 9385 64 bit graphics with 2 MB EDO ⇒ CardBus PC Card support (32 bit PCI)  |  |  |
| Type - model<br>Preload (see side)<br>Remv disk - size / ms<br>Disk controller<br>Avail / withdrawn date   | 9546-U3A<br>Windows 95<br>1.2 GB / 12 ms O / DMA M<br>Enhanced IDE / busmaster<br>May 1996 / January 1997  |  | Integrated Mwave™ DSP provides:  ① Data modem function  - V.22bis, V.32, V.32bis, v.34 (28.8 Kbps) ② Fax modem function  Capture and free size (44.4 Kbps)   |   |  |  |
| Display - size and type<br>Display - techology   | 12.1 inch SVGA color / 640<br>Black Matrix TFT - active  |  | 00 x 600 / 262,166 simultaneous color<br>0 to 1 contrast ratio   | 3 Audio function  |  |  |
| Graphics - controller<br>Graph - arch/data path<br>Gaphics - features<br>Graphics - external   | PCI 2.1 / 32 bit / <b>DCI, Direc</b><br>Simultaneous LCD and CR<br>External SVGA to 1280 x 1   | tDraw, En<br>T / 180 deg<br>024 w/ 256   | ree tilt<br>colors or 1024 x 768 w/ 65,536 colors  | <ul> <li>Stereo waveform record and playback</li> <li>Qsound support (3-D effect)</li> <li>32 voice MIDI wave table synthesizer</li> <li>SoundBlaster™ support / text to speech</li> <li>MPEG audio decode</li> </ul>   |  |  |
| Memory - std / max<br>Memory - upgrade   | volt / EDO<br>2 sockets for two JEDEC 1  | 144 pin ED   | d Proven option) 70 ns / non-parity / 3.3  O SO DIMMs of 8, 16, 32 MB  The left bay (UltraBay M) supports:   | <ul> <li>Full telephone (can use opt headset)</li> <li>Telephone answering machine</li> <li>Full duplex speakerphone</li> </ul>   |  |  |
| Keyboard / # of keys Keyboard slope Pointing / palm rest Ext keyboard support  | Full size alp/num / 85 (8 Fr<br>Automated tilt up keyboa<br>TrackPoint III™ / integrated<br>Yes (with option cable)  | rd (5.5 dea  | (1907)  1) 2nd disk; 2) 2nd battery  3) std diskette drive; 4) CD-ROM  5) 2.88 MB diskette (option)  6) PCMCIA Cartridge (option)  | ⑤ Digital Simultaneous Voice Data WINDOWS 95 PRELOAD  |  |  |
| Dimensions<br>Weight (with CD-ROM)   | 11.7 x 8.3 x 2.14" (208 cub  | ic inches)   | <ul> <li>⑦ IBM Wireless Modem ARDIS (option)</li> <li>® IBM Wireless Modem for Cellular/<br/>CDPD (option)</li> </ul>  | - Online User's Guide   |  |  |
| Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off  | Lithium Ion / intelligent opt  | tional<br>MH   | Liftable (pop-up) keyboard to acces<br>and remove CD-ROM, diskette drive<br>1st/2nd disk, and 1st/2nd battery  | - ThinkPad Features<br>- PC Card Director 4.0<br>- Diskette Factory<br>1. Triton CoSession™ Host;<br>2. PRODIGY®  |  |  |
| Architecture  Docking Station Port replicator  | ISA (audio, diskette, serial<br>PCI 2.1/32 bit/33 Mhz (E<br>Dock I and II / <b>SelectaDoc</b><br>Port Replicator I and II / <b>Se</b><br>2 Type I or 2 Type II or 1 Ty<br>One 9 pin; 16550A / one (IE<br>APM-aware BIOS / Slim AC  | 3. SofNet FaxWorks™ Voice™ 4. Puma TranXit™ 5. Compuserv for Windows 6. NetFinity for Windows 95 7. Asymetrix® Digital Video Producer™ 8. MPEG Sampler (CD-ROM) - Lotus SmartSuite 96 CD-ROM |  |   |  |  |
| Video in/out MPEG decoder DSP function Data/fax modem Audio support  Jacks Telephone Infrared ports  | Composite and S-Video i<br>MPEG-1 & MPEG-2 Half Home Meave MDSP2780 DSP we Data/fax modem function<br>16 bit audio chip on plana<br>Int stereo speakers / .5 wa<br>Input jack (3.5 mm) / Output<br>Telephone / answering ma  | in/out / gar<br>orizontal R<br>vith modem<br>o via DSP (var with Mw.<br>att / slide v<br>t jack (3.5 m<br>chine / full   | ne port<br>esolution (HHR) decoder (MPEGCD1<br>n, fax, audio, telephony function<br>/.34 to 28.8 Kbps) / Mwave 2.1   | Easy-Setup is entered by holding F1 when turning on.  ThinkPad 760ED supported batteries:  - 760 NiMH Battery (black) 41H9720  - Li-lon Battery Pack II (gray) 29H9329  - Travel Quick Charger 85G1522  |  |  |
| Security   | Power-on password / Hard device keyhole (Kensington  | disk passw<br>n™ cable lo  | vord / Supervisor password / Locking<br>ock) / Security latch for keyboard and<br>rd lock / Personalization / Security Plate   | - Car Battery Adapter 49G2167 ThinkPad 760E supported disks:  |  |  |
| Preinstalled software<br>Warranty  | Windows 95 with applicatio   | ns (listed o   |  | - (360/750/755 IDE disks not supported)<br>- 720 MB HDD II EIDE 12.5 mm 29H9383   |  |  |
| Enhanced Video Car - Composite in and S for video capture (ca  | -  | Compatible - Secon - Dock I - Dock I   | ble in ThinkPad 760ED family:<br>d HDD Adapter 29H9333<br>(1 slot / 1 bay) 3545001<br>l (2 slot / 2 bay) 3546001   | - 810 MB HDD II EIDE 12.5 mm 29H9313<br>- 1.08 GB HDD II EIDE 12.5 mm 29H9319<br>- 1.2 GB (1.96" or higher models) 29H9325<br>- 1.4 GB HDD 3L EIDE 12.5 mm 69H8412<br>- 2.1 GB (1.96" or higher models) 69H8414   |  |  |
| - Composite out and (connect to video o or record on VCR th - Mini game port for - Includes video in an (includes one video - Use software called - Hardware acceleral Windows TM formerly chip (as in 755CD a integrated into the 9 interpolation in X and conversion when DCC - Plays back MPEG movies, video CDs - Minimum Connection of the Medical Connection of the Medical Connection of the MPEG movies, video CDs | ut port; NTSC or PAL); e screen of ThinkPad. MIDI or joystick d video out ports in/out cable) Digital Video Producer™ tion of 'Video for / done by a separate ASCII nd 760CD) has now been 385 graphics controller; d Y axis; color space CI enabled  motion videos, CD-I t, and Karaoke MPEG x 480, 800 x 600, or | - Select - Select - Port R - Port R - Select - 2.88 M - PCMC - FDD E - 35 wat - 4 x CD - 6 x CD - 8 MB S - 16 MB   | onversion Card (for Dock I/II) 46H5994 aDock I 3547001 aDock II 96G3510 eplicator I (w/ PCMCIA slots) 66G3510 eplicator II 66G3510 B diskette drive 66G0108 IA Cartridge (one Type III) 84G1301 txternal Attachment Kit 66G3618 t AC Adapter (slim, 4 pin) 76H0119 PROM (UltraBay) 85G1957 SO DIMM 3.3v NP EDO 64 bit 92G7342 SO DIMM 3.3v NP EDO 64 bit 92G7342 | Setup Pointer (single page) LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour /7 day telephone, bulletin |  |  |

|   | ~ 760ED  |                             |  |  | 1                                      | TILLE 15055  |  |  |  |
|---|--|-----------------------------|--|--|--|--|--|--|--|
| IBM <sup>®</sup> ThinkPad <sup>®</sup> :  | ★ 760ED     12.1" XGA TFT - 6 x CD-R   | OM - Fnha                   | nced Video - MP                          | EG   |  | ThinkPad 760ED strengths over 760CD:   |  |  |  |
| Processor type  | Pentium® 133/66 (P54CS   |                             |  |  | y                                      | <ul> <li>▶ Pentium 133/66 MHz (vs 120/60 MHz)</li> <li>▶ PCI bus (vs VL-Bus)</li> </ul>  |  |  |  |
| Processor upgrade   | None `   | ,                           |  | •  | ,                                      | □ 16 MB EDO memory (vs 8 MB fast page)   |  |  |  |
| L2 cache<br>Removable diskette  | 256 KB / write-back / direct 3.5" 1.44 MB ○ / use in Ul                        |                             |  | <b>⇔ 64 bit path to memory</b> (vs 32 bit) |  |  |  |  |  |
| External FDD port   | External FDD port (include   | s Floppy D                  | ·  | ⇒ 9385 64 bit graphics with 2 MB EDO       |  |  |  |  |  |
| Removable CD-ROM  | 5.25" CD-ROM O / 6 x sp  |                             |  | CardBus PC Card support (32 bit PCI)       |  |  |  |  |  |
| Torrespond to the   | EIDE / PIO Mode 3 (ATAF  | 'I) / in Ultra              | vices                                    |  |  |  |  |  |  |
| Type - model<br>Preload (see side)  | 9546-U9A<br>Windows 95   |                             |  |  |  | Integrated Mwave™ DSP provides:  |  |  |  |
| Remv disk - size / ms   | 2.1 GB / 12 ms O / DMA M   |                             |  |  |  | Data modem function     - V.22bis, V.32, V.32bis, v.34 (28.8 Kbps)     Fax modem function     - G3 fax send/receive (14.4 Kbps)    |  |  |  |
| Disk controller   | Enhanced IDE / busmaste<br>October 1996 / October 19                           |                             | supports two int                         | ernal disks for 4                          | 4.2 GB                                 |  |  |  |  |
|   | 12.1 inch XGA color / 640  |                             | y 600 or 1024 y 3                        | 768 / 65 536 sin                           | ml colors                              |  |  |  |  |
| Display - techology   | Black Matrix TFT - active  |                             |  |  | 111 001013                             | <ul><li>3 Audio function</li><li>Stereo waveform record and playback</li></ul>   |  |  |  |
| Graphics - controller   | Trident™ CYBER9385 / 64  |                             |  | B EDO DRAM                                 | /70 ns                                 | - Qsound support (3-D effect)  |  |  |  |
| Graph - arch/data path<br>Gaphics - features  | PCI 2.1 / 32 bit / DCI, Direct Simultaneous LCD and CF                         |                             |  |  |  | - 32 voice MIDI wave table synthesizer   |  |  |  |
| Graphics - external   | External SVGA to 1280 x 1  |                             |  | 768 w/ 65,536                              | colors                                 | - SoundBlaster™ support / text to speech<br>- MPEG audio decode  |  |  |  |
| Memory - std / max  | 16 MB / 80 MB (104 MB w/   | ThinkPad P                  | roven option) 70 n                       | s/non-parity/3                             | 3.3v/EDO                               | Telephone function   |  |  |  |
| Memory - upgrade  | 2 sockets for two JEDEC  |                             |  |  |  | - Full telephone (can use opt headset)<br>- Telephone answering machine  |  |  |  |
| Keyboard / # of keys  | Full size alp/num / 85 (8 F  |                             | امنام ما ما ما ما                        | ay (UltraBay™) supp<br>k;                  | oorts:                                 | - Full duplex speakerphone   |  |  |  |
| Keyboard slope<br>Pointing / palm rest  | Automated tilt up keyboa<br>TrackPoint III™ / integrate                        |                             | 3 std disk                               | ette drive;   CD-Red  diskette (option)    | :OM                                    | Digital Simultaneous Voice Data  |  |  |  |
| Ext keyboard support  |  |                             | ® PCMCI/                                 | A Cartridge (option)                       | 10 (- :: :                             | WINDOWS 95 PRELOAD   |  |  |  |
| Dimensions  | 11.7 x 8.3 x 2.0" (194 cubic   | cinches)                    | ® IBM Win                                | reless Modem ARDI<br>reless Modem for C    |  | - Microsoft Windows 95   |  |  |  |
|   | ) 6.65 pounds (3.02 kg)  | tional .                    | CDPD (                                   | (option)                                   |  | - Online User's Guide  |  |  |  |
| Battery - type<br>Battery - life (1 batt)   | Lithium Ion / intelligent op 2.2 hours Ni                                      | MH                          | Liftable (pop-u                          |  |  | - ThinkPad Features<br>- PC Card Director 4.0  |  |  |  |
| Battery - life (2 batt)   | 4.4 hours  |                             | and remove C                             | •  | · / I                                  | - Diskette Factory   |  |  |  |
| Charge time - on / off  | 2 to 3 hrs / 1.5 to 2.5 hrs  | l                           | 1st/2nd disk, a                          |  | ttery                                  | 1. Triton CoSession™ Host  |  |  |  |
| Architecture  | ISA (audio, diskette, seria<br>PCI 2.1 / 32 bit / 33 Mhz (B                    |                             |  |  | ansion)                                | 2. SofNet FaxWorks™ Voice™ 3. PumaTranXit™   |  |  |  |
| Docking Station   | Dock I and II / SelctaDocl   | c I and II a                | nd III                                   | ii LO, CALCAPE                             | ansion)                                | <ol> <li>Compuserv for Windows</li> <li>NetFinity for Windows 95</li> <li>Asymetrix<sup>®</sup> Digital Video Producer™</li> </ol> |  |  |  |
| Port replicator   | Port Replicator I and II / So  |                             |  | / DOMOLA 0.4                               |  |  |  |  |  |
| Serial / parallel ports   | s 2 Type I or 2 Type II or 1 T<br>One 9 pin; 16550A / one (Ii                  |                             |  |  | ompatible                              | 7. MPEG Sampler (CD-ROM)   |  |  |  |
| Other features  | APM-aware BIOS / Slim A  |                             |  |  | ooot                                   | - Lotus SmartSuitè 96 CD-ROM   |  |  |  |
| Video in/out  | Composite and S-Video  |                             |  | ) .ll /NAD                                 | (FOOD4)                                |  |  |  |  |
| MPEG decoder<br>DSP function  | MPEG-1 & MPEG-2 Half H<br>Mwave MDSP2780 DSP v                                 |                             |  |  |  | Easy-Setup is entered by holding F1 when   |  |  |  |
| Data/fax modem  | Data/fax modem function  | ı via DSP (                 | v.34 to 33.6 Kbps                        |  |  | turning on.  |  |  |  |
| Audio support   | 16 bit audio chip on plan  |                             |  | internal miere                             |  | ThinkPad 760ED supported batteries:  |  |  |  |
| Jacks   | Int stereo speakers / .5 w<br>Input jack (3.5 mm) / Outpu                      |                             |  |  |  | - 760 NiMH Battery (black) 41H9720   |  |  |  |
| Telephone   | Telephone / answering ma   | achine`/ full               | duplex speaker                           | ohone/DSVD                                 | ,                                      | - Li-lon Battery Pack II (gray) 29H9329  |  |  |  |
| Infrared ports  | Infrared ports (front and  |                             |  |  | bs                                     | - Travel Quick Charger 85G1522<br>- Car Battery Adapter 49G2167  |  |  |  |
| Security  | Power-on password / Hard Security keyhole (requires                            | i disk pass\<br>cable) / S  | vora / Supervisoi<br>ecurity latch for k | r password /<br>revboard and               |  | ThinkPad 760ED supported disks:  |  |  |  |
|   | DIMMS (requires cable) / F   | C Card loc                  | k / Personalizati                        | on / Security Pl                           | late                                   | - (360/750/755 IDE disks not supported)  |  |  |  |
| Preinstalled software   | Windows 95 with application  | ons (listed o               | n right)                                 |  |  | - 720 MB HDD II EIDE 12.5mm 29H9383  |  |  |  |
| Warranty  |  |                             |  |  |  | - 810 MB HDD II EIDE 12.5 mm 29H9313<br>- 1.08 GB HDD II EIDE 12.5 mm 29H9319  |  |  |  |
| Enhanced Video Car  | d in 760ED provides:   | Compatib                    | le in ThinkPad 76                        | 60ED family:                               |  | - 1.2 GB (1.96"+ models) 17 mm 29H9325   |  |  |  |
|   | S-Video in (NTSC or PAL)   |                             | HDD Adapter                              |  | 9H9333                                 | - 1.4 GB HDD 3L EIDE 12.5 mm 69H8412<br>- 2.1 GB (1.96"+ models) 17 mm 69H8414   |  |  |  |
|   | apture and digitize video<br>still image capture (capture                      |                             | (1 slot / 1 bay)<br>(2 slot / 2 bay)     |  | 545001   <br>546001                    | - 3.0 GB (1.96"+ models) 17 mm 45H8789   |  |  |  |
|   | to images), and overlay.   | - IDE Co                    | nversion Card (f                         |  |  | - 5.1 GB (1.96"+ models) 17 mm 00K7902   |  |  |  |
| - Composite out and   | S-Video out to TV  |                             | aDock I<br>aDock II                      |  | 547001<br>547002                       | FEATURES OF 760 MODELS   |  |  |  |
|   | ut port; NTSC or PAL);<br>le screen of ThinkPad                                | Setup Pointer (single page) |  |  |  |  |  |  |  |
| or record on VCR the screen of ThinkPad.  - Mini game port for MIDI or joystick  - SelectaDock III  - Port Replicator I (w/ PCMCIA slots) 66G3510 |  |                             |  |  | LCD indicator panel Plug and Play 1.0a |  |  |  |  |
|   | Includes video in and video out ports   Port Replicator II 66G3520             |                             |  |  |  | Discharge battery via mouse click  |  |  |  |
|   | Use software called Digital Video Producer™   - 2.88 MB diskette drive 66G0108 |                             |  |  | Non-disruptive battery exchange        |  |  |  |  |
| - Hardware accelera   | <b>ition</b> of 'Video for   | - PCMC                      | IA Cartridge (one                        | Type III) 84                               | 4G1301                                 | Standby, suspend, safe suspend, and hibernation modes  |  |  |  |
|   | y done by a separate ASCII nd 760CD) has now been                              |                             | xternal Attachme<br>t AC Adapter (slir   |  | 6G3618   <br>6H0119                    | US EPA Energy Star compliant   |  |  |  |
| integrated into the 9   | 385 graphics controller;   | - 4 x CD                    | <b>-ROM</b> (UltraBay)                   | )  | 9H7413                                 | Personalized nameplate in indention  |  |  |  |
|   | d Y axis; color space  |                             | -ROM (UltraBay)<br>-ROM (UltraBay)       |  | 5G1957<br>5H8786                       | Personalization screen at startup International Warranty Service   |  |  |  |
| conversion when DO  |  | - 8-20                      | CD-ROM (Ultra                            | Bay) <b>00</b>                             | K7903                                  | 24 hour / 7 day telephone, bulletin  |  |  |  |
|   | motion videos, CD-I<br>s, and Karaoke MPEG                                     | - 8MBS                      | O DIMM 3.3v NP                           | EDO 64 bit 92                              | 2G7340                                 | board, fax, electronic, and Internet (http://www.pc.ibm.com) support   |  |  |  |
| video titles  | o, and Raidore MI LO   |                             | SO DIMM 3.3v NF<br>SO DIMM 3.3v NF       |  |  | IBM and dealer warranty/service  |  |  |  |
|   |  | J                           |  |  |  | Online Housecall (remote diagnostics)  |  |  |  |

| IBM® ThinkPad®:   | <b>≈</b> 760XL  |  |   |  |
|---|---|--|---|--|
| auau .  | 12.1" SVGA TFT - thick  |  |   |  |
| Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM             | None<br>256 KB / write-back / direct<br>3.5" 1.44 MB ○ / use in U<br>External FDD port (require   | IHz (P55CLM) / 64 bit to L2 cache / 64 bit to memory t mapped / 10 ns / synchronous pipelined burst ltraBay or attach externally via rear ext FDD port es FDD External Attachment Kit 66G3618) x, 6 x, 8 x, or 8-20 x CD-ROM into UltraBay   | WINDOWS 95 PRELOAD  - Microsoft Windows 95 OSR2 (FAT16) - Online User's Guide - ThinkPad Features - Diskette Factory  |  |
| Type - model (code) Preload (see side) Avail / withdrawn date Remv disk - size / ms Disk controller         | 9547-U9C (Michigan MM Windows 95 OSR2<br>April 1997 / January 1998<br>2.1 GB / 13 ms O / DMA  | X) 9547-U9K (Michigan MMX) Windows NT Workstation 4.0 April 1997 / January 1998  | Lotus Organizer     CompuServ for Windows     Puma TranXit™     HotFinity for Windows 95     Triton CoSession™ Host     IntelliLink Connect   |  |
| Display - size and type<br>Display - techology  |   | 40 x 480, 800 x 600 / 65,536 simultaneous colors<br>e matrix / 100 to 1 contrast ratio   | 7. IBM AntiVirus 8. IBM Internet Connection Services with   |  |
| Graphics - controller   |   | bit SVGA accelerator / 1 MB EDO DRAM / 70 ns<br>ctDraw, EnDIVE support<br>RT / 180 degree tilt   | Netscape Navigator web browser  9. Registration Mailer  - Lotus SmartSuite 96 CD-ROM  - Recovery CD-ROM with boot diskette  - Windows 95 CD-ROM (no installation)   |  |
| Memory - std / max<br>Memory - sockets avail<br>Memory - features   | 70 ns / non-parity / 3.3 volt<br>8 MB in system; 8 MB on n<br>Memory module under disk  | 32 MB / 104 MB<br>1 socket available (1 socket uses 16 MB)<br>t / EDO / supports JEDEC 144 pin SO-DIMMs<br>nemory module with 2 SO-DIMM sockets<br>( (not removable) and accessible by opening keyboard<br>8 MB on memory module is disabled via switch  | WINDOWS NT 4.0 PRELOAD  Microsoft Windows NT 4.0 Workstation with utilities and device drivers  |  |
| Keyboard / # of keys<br>Keyboard slope<br>Pointing / palm rest  |   |  |   |  |
| Dimensions<br>Weight  | 11.7 x 8.3 x 2.14" (208)<br>6.7 pounds (3.05 kg)  |  |   |  |
| Battery - type<br>Battery - life (1 batt)<br>Charge time - on / off   | Lithium Ion / intelligent<br>2.3 hours (4.6 hours with 2<br>2 to 3 hrs / 1.5 to 2.5 hrs   | (optional NiMH battery supported)<br>c batteries)  |   |  |
| Architecture  Docking Station Port replicator PC Card Standard slots Serial / parallel ports Other features | PCI 2.1 / 32 bit / 33 MHz (<br>Intel Mobile Triton 82430N<br>Dock I and II / SelectaDo<br>Port Replicator I and II / S<br>2 Type I or 2 Type II or 1 T<br>One 9 pin; 16550A / one (I                          | electaDock Base Model I<br>ype III / CardBus 32 bit PCI / PCMCIA 2.1 compatible<br>EEE P1284-A, EPP, ECP, bidirectional)   | Think Dod 760VL gupported betterion:  |  |
| Video in/out MPEG decoder DSP function Data/fax modem   | None<br>None<br>None<br>None<br>None  | C Adapter 2 prong (35 watts) / Selectable boot  Liftable (pop-up) keyboard to access and remove diskette drive, 1st/2nd disk, and 1st/2nd battery, and other UltraBay options  | ThinkPad 760XL supported batteries:  - 760 NiMH Battery (black) 41H9720  - Li-lon Battery Pack II (gray) 29H9329  - Travel Quick Charger 85G1522  - Car Battery Adapter 49G2167   |  |
| Audio support  Jacks Telephone  | 16 bit audio chip / 20 voi<br>Int stereo speakers / .5 wa<br>Input jack (3.5 mm) / outpu<br>None  |  | ThinkPad 760 supported disks: - (360/750/755 IDE disks not supported) - 720 MB HDD II EIDE 12.5 mm 29H9383 - 810 MB HDD II EIDE 12.5 mm 29H9313   |  |
| Infrared ports Security   | Power-on password / Hard device keyhole (Kensingto  | back) / IrDA 1.0 compatible / up to 115 kbs d disk password / Supervisor password / Locking on™ cable lock) / Security latch for keyboard and ton) / PC Card lock / Personalization / Security Plate   | - 1.08 GB HDD II EIDE12.5 mm 29H9319<br>- 1.2 GB (1.96"+ models) 17 mm 29H9325<br>- 1.4 GB HDD 3L EIDE12.5 mm 69H8412<br>- 2.1 GB (1.96"+ models) 17 mm 69H8414   |  |
| Warranty  | 3 year - ThinkPad EasySe  | erv (depot repair service) or carry-in   | - 3.0 GB (1.96"+ models) 17 mm 45H8789<br>- 5.1 GB (1.96"+ models) 17 mm 00K7902  |  |
| <ul><li>2 2nd battery</li><li>3 Standard diskette d</li></ul>   | Second HDD Adapter)<br>Irive  | OPTIONS  - Second HDD Adapter 29H9333  - Dock I (1 slot / 1 bay) 3545001  - Dock II (2 slot / 2 bay) 3546001   | 3.1 GB (1.50 1 models) 17 mm  |  |
| <ul><li>4 2.88 MB diskette dr</li><li>5 CD-ROM</li></ul>  | k capacity on 760XL is<br>GB disks<br>d by holding F1 when<br>e 2 or PIO Mode 4<br>e 2 or PIO Mode 4<br>e 1 or PIO Mode 3<br>e 2 or PIO Mode 4<br>e 2 or PIO Mode 4<br>e 2 or PIO Mode 4<br>e 2 or PIO Mode 4 | - Dock II (2 slot / 2 bay) 3546001 - IDE Conversion Card (for Dock II) 46H5994 - SelectaDock II 3547001 - SelectaDock II 3547002 - SelectaDock III 3547003 - Port Replicator I (w/ PCMCIA slots) 66G3510 - Port Replicator II 66G3520 - SelectaDock Base Model I 39H7405 - 2.88 MB diskette 66G0108 - FDD External Attachment Kit 66G3618 - 35 watt AC Adapter (slim, 4 pin) 76H0119 - 4 x CD-ROM (UltraBay) 39H7413 - 6 x CD-ROM (UltraBay) 85G1957 - 8 x CD-ROM (UltraBay) 45H8786 - 8-20 x CD-ROM (UltraBay) 45H8786 - 8-20 x CD-ROM (UltraBay) 92G7340 - 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7341 - 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342 - 64 MB SO DIMM 3.3v NP EDO 64 bit 76H0268 | FEATURES OF 760 MODELS  Quick Setup Guide (single page)  LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service IBM SystemXtra Program 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics) |  |

### IIM ThinkPad 760XD - withdrawn

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|---|---|---|
| IBM® ThinkPad®:   | <b>★ 760XD</b>  |   |
| Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM     | Pentium® MMX 166/66 MHz (P55CLM) / 64 bit to L2 cache / 64 bit to memory None 256 KB / write-back / direct mapped / 10 ns / synchronous pipelined burst 3.5" 1.44 MB ○ / use in UltraBay or attach externally via rear ext FDD port External FDD port (includes Floppy Disk Drive Enclosure) 5.25" CD-ROM ○ /8 x speed / multi-session / XA / play with eject button EIDE / PIO Mode 3 (ATAPI) / in UltraBay which supports several devices |   |
| Type - model (code) Preload (see side) Remv disk - size / ms Disk controller Avail / withdrawn date | 9546-U9E (Michigan MMX) Windows 95 OSR2 3.0 GB / 12 ms O / DMA Mode 2 or PIO Mode 4 (C: is 1.99 GB, D: is 885 MB) Enhanced IDE / busmaster / PCI 2.1 / supports two internal disks for 10.2 GB April 1997 / January 1998  |   |
| Display - size and type<br>Display - techology  | e 12.1 inch XGA color / 640 x 480, 800 x 600 or 1024 x 768 / 65,536 siml colors<br>Black Matrix TFT - active matrix / 100 to 1 contrast ratio   |   |
| Graphics - controller<br>Graph - arch/data path<br>Graphics - features<br>Graphics - external       | Trident™ CYBER9385 / 64 bit SVGA accelerator / <b>2 MB EDO DRAM</b> / 70 ns PCI 2.1 / 32 bit / DCI, DirectDraw, EnDIVE support Simultaneous LCD and CRT / 180 degree tilt External SVGA to 1280 x 1024 w/ 256 colors or 1024 x 768 w/ 65,536 colors   |   |
| Memory - std / max<br>Memory - upgrade<br>Mem - implementation                                      | 32 MB / 104 MB 70 ns / non-parity / 3.3v / EDO<br>1 socket avail for one JEDEC 144 pin EDO SO-DIMM of 8, 16, 32, 64 MB<br>8 MB in system; 8 MB on memory module; 16 MB DIMM in 1 socket; 1 socket avail<br>Memory module under disk (not removable) and accessible by opening the keyboard  | Integrated Mwave™ DSP provides:  ① Data modem function  - V.22bis, V.32, V.32bis, v.34 (28.8 Kbps)  |
| Keyboard / # of keys<br>Keyboard slope<br>Pointing / palm rest<br>Ext keyboard support              | Full size alp/num / 85 (8 Fn key functions)  Automated tilt up keyboard (5.5 degrees)  TrackPoint III™ / integrated palm rest Yes (with option cable)  The left bay (UltraBay™) supports:  ① 2nd disk; ② 2nd battery ③ std diskette drive; ④ std CD-ROM ⑤ 2.88 MB diskette  | Fax modem function     G3 fax send/receive (14.4 Kbps)     Audio function     Stereo waveform record and playback   |
| Dimensions / weight   | 11.7 x 8.3 x 2.0" (194 cubic inches) / 7.0 pounds (3.18 kg) with CD-ROM   | - Qsound support (3-D effect)   |
| Battery - type<br>Battery - life (1 batt)<br>Charge time - on / off                                 | Lithium Ion / intelligent optional 2.0 hours (4 hrs with 2 batt) NiMH and remove CD-ROM, diskette drive, 2 to 3 hrs / 1.5 to 2.5 hrs Lithium Ion / intelligent optional NiMH and remove CD-ROM, diskette drive, 1st/2nd disk, and 1st/2nd battery   | - 32 voice MIDI wave table synthesizer - SoundBlaster support / text to speech - MPEG audio decode    Telephone function  |
| Architecture  Port replicator Docking Station PC Card Standard slots                                | ISA (audio, diskette, serial, parallel, infrared, ext expansion) PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, CardBus, MPEG, ext expansion) Intel Mobile Triton 82430MX PCIset / TI PCI1130 for CardBus Port Replicator I and II / SelectaDock Base Model I Dock I and II / SelectaDock I and III and III s 2 Type I or 2 Type II or 1 Type III / CardBus 32 bit PCI / PCMCIA 2.1 compatible  | - Full telephone (can use opt headset) - Telephone answering machine - Full duplex speakerphone  ⑤ Digital Simultaneous Voice Data  Easy-Setup is entered by holding F1 when    |
| Serial / parallel ports<br>Other features   | One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)<br>APM-aware BIOS / Slim AC Adapter 2 prong (35 watts) / Selectable boot  | turning on.   |
| Video in/out<br>MPEG decoder<br>DSP function<br>Data/fax modem<br>Audio support                     | Composite and S-Video in/out / game port MPEG-1 & MPEG-2 Half Horizontal Resolution (HHR) decoder (MPEGCD1) Mwave MDSP2780 DSP with modem, fax, audio, telephony function Data/fax modem function via DSP (v.34 to 33.6 Kbps) / Mwave 16 bit audio chip on planar with Mwave DSP Int stereo speakers / .5 watt / slide volume control / internal microphone   | ThinkPad 760XD supported batteries:  - 760 NiMH Battery (black) 41H9720  - Li-Ion Battery Pack II (gray) 29H9329  - Travel Quick Charger 85G1522  - Car Battery Adapter 49G2167 |
| Ja <b>&amp;</b> s on Telephone Infrared ports   | Dinput jack (3.5 mm) / Dutput jack (3.5 mm) / Joystick/MtDI port (includes cable) Telephone / answering machine / full duplex speakerphone / DSVD Infrared ports (front and back) / IrDA 1.0 compatible / up to 115 kbs   | ThinkPatl 760 supported disks: e - (360/750/755 IDE disks not supported) - 720 MB HDD II EIDE 12.5mm 29H9383  |
| Security Warranty   | Power-on password / Hard disk password / Supervisor password / Locking device keyhole (Kensington™ cable lock) / Security latch for keyboard and DIMMS (requires Kensington) / PC Card lock / Personalization / Security Plate  3 year - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in   | - 810 MB HDD II EIDE 12.5 mm 29H9313<br>- 1.08 GB HDD II EIDE 12.5 mm 29H9319<br>- 1.2 GB (1.96"+ models) 17 mm 29H9325<br>- 1.4 GB HDD 3L EIDE 12.5 mm 69H8412                 |
| Wallanty r a C  | n i : sp eX d0 6 <b>options</b> r p   | - 2.1 GB (1.96"+ models) 17 mm 69H8414<br>- 3.0 GB (1.96"+ models) 17 mm 45H8789<br>- 5.1 GB (1.96"+ models) 17 mm 00K7902  |
| -   | - Second HDD Adapter 29H9333<br>- Dock I (1 slot / 1 bay) 3545001   | FEATURES OF 760 MODELS  |

| E# | r | а | С | n | i | : | sD | ) (   | ×    | ďD    | 6       |        | <b>Ø</b> PTI                           | ONS    | r     | р     |            |
|----|---|---|---|---|---|---|----|-------|------|-------|---------|--------|--|--------|-------|-------|------------|
|    |   |   |   |   |   |   |    | : - ا | Sec  | ond I | HDD     | hA (   | apter                                  |        |       |       | 29H9333    |
| -  |   |   |   |   |   |   |    |       |      |       |         |        | bay)                                   |        |       |       | 3545001    |
|    |   |   |   |   |   |   |    |       |      |       |         |        | 2 bay)                                 |        |       |       | 3546001    |
|    |   |   |   |   |   |   |    |       |      |       |         |        |  |        | ماد   | 1/11\ |            |
|    |   |   |   |   |   |   |    |       |      |       |         |        | Card                                   | (for D | OCK   | 1/11) |            |
|    |   |   |   |   |   |   |    |       |      |       | Dock    |        |  |        |       |       | 3547001    |
|    |   |   |   |   |   |   |    |       |      |       | Dock    |        |  |        |       |       | 3547002    |
|    |   |   |   |   |   |   |    |       |      |       | Dock    |        |  |        |       |       | 3547003    |
|    |   |   |   |   |   |   |    | -     | Port | Rep   | olicat  | or I   | (w/P)                                  | CMC    | A sl  | ots)  | 66G3510    |
|    |   |   |   |   |   |   |    | -     | Port | Rep   | olicate | or II  | l`                                     |        |       | ,     | 66G3520    |
|    |   |   |   |   |   |   |    |       |      |       |         |        |  | odel l |       |       | 39H7405    |
|    |   |   |   |   |   |   |    |       |      |       |         |        | drive                                  |        |       |       | 66G0108    |
|    |   |   |   |   |   |   |    |       |      |       |         |        |  | nent K | it    |       | 66G3618    |
|    |   |   |   |   |   |   |    | 1     |      |       |         |        |  | lim, 4 |       |       | 76H0119    |
|    |   |   |   |   |   |   |    |       |      |       |         |        | traBa                                  |        | piii) |       | 39H7413    |
|    |   |   |   |   |   |   |    |       |      |       |         |        |  |        |       |       |            |
|    |   |   |   |   |   |   |    |       |      |       |         |        | traBa                                  |        |       |       | 85G1957    |
|    |   |   |   |   |   |   |    |       |      |       |         |        | traBa                                  |        |       |       | 45H8786    |
|    |   |   |   |   |   |   |    |       |      |       |         |        |  | Bay)   |       |       | 00K7903    |
|    |   |   |   |   |   |   |    | -     | 8 ME | 3 SO  | DIM     | IM 3   | .3v N                                  | P EDO  | 64    | bit   | 92G7340    |
|    |   |   |   |   |   |   |    |       | 16 N | IB S  | O DII   | MM     | 3.3v I                                 | NP ED  | 0 64  | 4 bit | 92G7341    |
|    |   |   |   |   |   |   |    | l - : | 32 N | IB Š  | O DII   | MM     | 3.3v I                                 | NP ED  | 0 64  | 4 bit | 92G7342    |
|    |   |   |   |   |   |   |    |       |      |       |         |        |  |        |       |       | 76H0268    |
|    |   |   |   |   |   |   |    | 1     |      | _     | _       |        |  |        |       |       |            |
|    |   |   |   |   |   |   |    | - (   | Othe | ei op | นเปทร   | 5 11 0 | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | IIIKPa | u Pi  | ove   | n partners |

Quick Setup Guide (single page) LCD indicator panel Plug and Play 1.0a
Discharge battery via mouse click
Non-disruptive battery exchange
Standby, suspend, safe suspend, and
hibernation modes

hibernation modes
US EPA Energy Star compliant
Personalized nameplate in indention
Personalization screen at startup
International Warranty Service
IBM SystemXtra Program
24 hour / 7 day telephone, bulletin
board, fax, electronic, and Internet
(http://www.pc.ibm.com) support
IBM and dealer warranty/service
Online Housecall (remote diagnostic Online Housecall (remote diagnostics)

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. O = Removable

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| IBM® ThinkPad®:  | <b>765L</b><br>13.3" XGA TFT  |  |  |  |  |
|--|---|--|--|--|--|
| Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM  | None<br>256 KB / write-back / dir<br>3.5" 1.44 MB ○ / use in<br>External FDD port (requ   | ect mapped / 10 ns / synchronous pipelined burst I UltraBay or attach externally via rear ext FDD port uires FDD External Attachment Kit 66G3618) 4 x or 6 x or 8 x CD-ROM into UltraBay   | WINDOWS 95 PRELOAD  - Microsoft Windows 95 OSR2 (FAT16)  - Online User's Guide  - ThinkPad Features  - Diskette Factory  1. Lotus Organizer  |  |  |
| Type - model (code) Preload (see side) Avail / withdrawn date Remv disk - size / ms Disk controller  | EIDE / busmaster / PC   | A Mode 2 or PIO Mode 4 (C: is 1.99 GB, D: is 885 MB)<br>2.1 / supports two internal disks / SMART  | CompuServ for Windows     Puma TranXit™     NetFinity for Windows 95     Triton CoSession™ Host     IntelliLink Connect  |  |  |
| Display - size and type<br>Display - techology   |   | 40 x 480, 800 x 600 or 1024 x 768 / 65,536 siml colors ive matrix / 100 to 1 contrast ratio  | 7. IBM AntiVirus 8. IBM Internet Connection Services with  |  |  |
| Graphics - controller<br>Graph - arch/data path<br>Graphics - features<br>Graphics - external  | PCI 2.1 / 32 bit / DCI, Di<br>Simultaneous LCD and  | 64 bit SVGA accelerator / <b>2 MB EDO DRAM</b> / 70 ns rectDraw, EnDIVE support CRT / 180 degree tilt x 1024 w/ 256 colors or 1024 x 768 w/ 65,536 colors  | Netscape Navigator web browser  9. Registration Mailer  10. ThinkPad on the NET  11. America Online  - Lotus SmartSuite 96 CD-ROM  |  |  |
| Memory - std / max<br>Memory - sockets avail<br>Memory - features  | 8 MB in system; 8 MB or Memory module under or  | cket uses 16 MB) rolt / EDO / supports JEDEC 144 pin SO-DIMMs n memory module with 2 SO-DIMM sockets lisk (not removable) and accessible by opening keyboard he 8 MB on memory module is disabled via switch   | Recovery CD-ROM with boot diskette     Windows 95 CD-ROM (no installation)   |  |  |
| Keyboard / # of keys<br>Keyboard slope<br>Pointing / palm rest   | Full size alp/num / 85 (a Automated tilt up keyl TrackPoint III™ / integr   |  |  |  |  |
| Dimensions<br>Weight   | 11.7 x 9.3 x 2.23" (243 c<br>7.4 pounds (3.34 kg)   | cubic inches)  |  |  |  |
| Battery - type<br>Battery - life (1 batt)<br>Charge time - on / off  | Lithium Ion/intelligent<br>2.1 hours (4.2 hours wit<br>2 to 3 hrs / 1.5 to 2.5 hrs  |  |  |  |  |
| Architecture  Docking Station Port replicator PC Card Standard slots Serial / parallel ports Other features  | PCI 2.1 / 32 bit / 33 MH<br>Intel Mobile Triton 8243<br>SelectaDock I and II a<br>Port Replicator I and II<br>2 Type I or 2 Type II or<br>One 9 pin; 16550A / one               | rial, parallel, infrared, ext expansion) z (EIDE, graphics, CardBus, ext expansion) 80MX PCIset / TI PCI1130 for CardBus nd III / SelectaDock Base Model I I Type III / CardBus 32 bit PCI / PCMCIA 2.1 compatible e (IEEE P1284-A, EPP, ECP, bidirectional) Adapter 4 pin 3 prong (56 watts) / Selectable boot  | ThinkPad 765L supported batteries:   |  |  |
| Video in/out<br>MPEG decoder<br>DSP function<br>Data/fax modem<br>Audio support  | Int stereo speakers / .5 Input jack (3.5 mm) / out  | Liftable (pop-up) keyboard to access and remove diskette drive, 1st/2nd disk, and 1st/2nd battery, and other UltraBay options  oice MIDI FM synthesis / ESS1688 watt / slide volume control / internal microphone put jack (3.5 mm)  | - 760 NiMH Battery (black) 41H9720<br>- Li-lon Battery Pack II (gray) 29H9325<br>- Travel Quick Charger 85G1520<br>- Car Battery Adapter 49G2160<br>ThinkPad 760 supported disks:<br>- (360/750/755 IDE disks not supported)<br>- 720 MB HDD II EIDE 12.5 mm 29H9383   |  |  |
| Telephone<br>Infrared ports  | None<br>Infrared ports (front a   | nd back) / IrDA 1.0 compatible / up to 115 kbs   | - 810 MB HDD II EIDE 12.5 mm 29H9313<br>- 1.08 GB HDD II EIDE 12.5 mm 29H9319  |  |  |
| Security   | device keyhole (Kensin  | ard disk password / Supervisor password / Locking gton™ cable lock) / Security latch for keyboard and ngton) / PC Card lock / Personalization / Security Plate   | - 1.2 GB (1.96"+ models) 17 mm 29H9325<br>- 1.4 GB HDD 3L EIDE 12.5 mm 69H8412<br>- 2.1 GB (1.96"+ models) 17 mm 69H8414   |  |  |
| Warranty<br>Service options  | 3 year - ThinkPad Easy<br>On-site, M-F, 8-5, next   | Serv (depot repair service) or carry-in<br>bus day (71 cities) / Warranty extension to 5 years   | - 3.0 GB (1.96"+ models) 17 mm 45H8789<br>- 5.1 GB (1.96"+ models) 17 mm 00K7902   |  |  |
| The left bay (UltraBay ① 2nd disk (requires S ② 2nd battery ③ Standard diskette d ④ 2.88 MB diskette d ⑤ CD-ROM  Maximum internal disl 10.2 GB with two 5.1 Easy-Setup is entered turning on.  810 MB = DMA Mode 1.08 GB = DMA Mode 1.2 GB = DMA Mode 2.1 GB = DMA Mode 2.1 GB = DMA Mode 3.0 GB = DMA Mode 5.1 GB = Ultra DMA | k capacity on 765L is GB disks by holding F1 when e 2 or PIO Mode 4 e 2 or PIO Mode 3 e 1 or PIO Mode 4 e 2 or PIO Mode 4 | - Second HDD Adapter - IDE Conversion Card (for Dock II) - SelectaDock II - SelectaDock II - SelectaDock III - SelectaDock III - SelectaDock III - Port Replicator I (w/ PCMCIA slots) - Port Replicator II - Port Replicator II - SelectaDock Base Model I - SelectaDock Base Model I - SelectaDock Base Model I - 2.88 MB diskette - FDD External Attachment Kit - 56 watt AC Adapter (4 pin; 3 prong) - 6 x CD-ROM (UltraBay) - 8 MB SO DIMM 3.3v NP EDO 64 bit - 16 MB SO DIMM 3.3v NP EDO 64 bit - 16 MB SO DIMM 3.3v NP EDO 64 bit - 16 MB SO DIMM 3.3v NP EDO 64 bit - 16 MB SO DIMM 3.3v NP EDO 64 bit - 16 MB SO DIMM 3.3v NP EDO 64 bit - 16 MB SO DIMM 3.3v NP EDO 64 bit - PCMCIA 33.6 Kbps modem w/ XJACK 55H6759 - 56K PC Card Modem Kit | FEATURES OF 765 MODELS  Quick Setup Guide (single page) LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalized roscen at startup International Warranty Service IBM System Care Program 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics) |  |  |

| IBM® ThinkPad®:   | 765D  |  |   | WINDOWS 95 PRELOAD   |  |  |  |
|---|---|--|---|--|--|--|--|
| Processor type  | 13.3" XGA TFT - 8 x CD-R  | OM - Enhanced Video - MPEG<br>Hz (P55CLM) / 64 bit to L2 cache / 6   | 4 hit to memor  | - Microsoft Windows 95 OSR2 (FAT16)  |  |  |  |
| Processor upper<br>Processor upgrade<br>L2 cache<br>Removable diskette<br>External FDD port<br>Removable CD-ROM   | None<br>256 KB / write-back / dired<br>3.5" 1.44 MB $\bigcirc$ / use in UI<br>External FDD port (include<br>5.25" CD-ROM $\bigcirc$ / 8 x sp  | ct mapped / 10 ns / synchronous pipe<br>traBay or attach externally via rear es<br>s Floppy Disk Drive Enclosure)<br>eed / multi-session / XA / play with e<br>tl) / in UltraBay which supports seve   | elined burst<br>xt FDD port<br>ject button  | <ul> <li>Online User's Guide</li> <li>ThinkPad Features Program</li> <li>Diskette Factory Utilities</li> <li>Lotus Organizer</li> <li>CompuServ for Windows</li> <li>Puma TranXit™</li> </ul>  |  |  |  |
|   | 9546-U9H<br>Windows 95 OSR2<br>3.0 GB / 12 ms O / DMA M<br>Enhanced IDE / busmaste<br>June 1997 / July 1997   | lode 2 or PIO Mode 4 / SMART<br>r / PCI 2.1 / supports two internal disk<br>(C: is 1.99 GB, D: is 885 MB   | <ul> <li>4. NetFinity for Windows 95</li> <li>5. Triton CoSession™ Host</li> <li>6. SofNet FaxWorks™ Voice</li> <li>7. Asymetrix™ Digital Video Producer</li> <li>8. IntelliLink Connect</li> <li>9. IBM AntiVirus</li> </ul> |  |  |  |  |
| Display - size and type<br>Display - techology  | 13.3 inch XGA color / 640<br>Black Matrix TFT - active  | x 480, 800 x 600 or 1024 x 768 / 65,5<br>matrix / 100 to 1 contrast ratio  | 36 siml colors  | 10. IBM Internet Connection Services with Netscape Navigator web browser 11. Registration Mailer   |  |  |  |
| Graphics - controller<br>Graph - arch/data path<br>Graphics - features<br>Graphics - external   | PCI 2.1 / 32 bit / DCI, Direc<br>Simultaneous LCD and CR<br>External SVGA to 1280 x 1   | RT / 180 degree tilt<br>024 w/ 256 colors or 1024 x 768 w/ 6   |   | <ul><li>12. ThinkPad on the NET</li><li>13. America Online</li><li>MPEG Sampler CD-ROM</li><li>Lotus SmartSuite 96 CD-ROM</li></ul>  |  |  |  |
| Memory - std / max<br>Memory - upgrade<br>Mem - implementation  | 8 MB in system; 8 MB on m   | non-parity / 3.3v / EDO<br>EC 144 pin EDO SO-DIMM of 8, 16,<br>emory module; 16 MB DIMM in 1 socke<br>(not removable) and accessible by openi  | ; 1 socket avail  | Recovery CD-ROM with boot diskette     Windows 95 CD-ROM (no installation)  Integrated Mwave DSP provides:   |  |  |  |
| Keyboard / # of keys<br>Keyboard slope<br>Pointing / palm rest<br>Ext keyboard support  | Full size alp/num / 85 (8 F<br>Automated tilt up keyboa<br>TrackPoint IIITM / integrate<br>Yes (with option cable)  | rd (5.5 degrees) © 2nd disk; © 2nd l   | ay™) supports:<br>oattery<br>④ std CD-ROM   | ① Data modem function - V.22bis, V.32, V.32bis, v.34 (28.8 Kbps) ② Fax modem function - G3 fax send/receive (14.4 Kbps)  |  |  |  |
| Dimensions / weight   | 11.7 x 9.3 x 2.23" (243 cub   | ic inches) / 7.7 pounds (3.49 kg) with   | Audio function     Stereo waveform record and playback  |  |  |  |  |
| Battery - type<br>Battery - life (1 batt)<br>Charge time - on / off   | Lithium lon / intelligent<br>2.0 hours (4 hrs with 2 batt<br>2 to 3 hrs / 1.5 to 2.5 hrs  | optional NiMH Liftable (pop-up) keybo and remove CD-ROM, o 1st/2nd disk, and 1st/2nd   | liskette drive,   | Qsound support (3-D effect)     32 voice MIDI wave table synthesizer     SoundBlaster support / text to speech   |  |  |  |
| Architecture  Port replicator Docking Station PC Card Standard slots Serial / parallel ports Other features   | PCI 2.1/32 bit/33 Mhz (Bintel Mobile Triton 82430M<br>Port Replicator I and II/SE<br>SelectaDock I and II and<br>2 Type I or 2 Type II or 1 Ty<br>One 9 pin; 16550A/one (II   |  | 2.1 compatible  | - MPEG audio decode  (Telephone function - Full telephone (can use opt headset) - Telephone answering machine - Full duplex speakerphone (Digital Simultaneous Voice Data  Easy-Setup is entered by holding F1 when  |  |  |  |
| Video in/out MPEG decoder DSP function Data/fax modem Audio support  Jacks Telephone Infrared ports   | Composite and S-Video MPEG-1 & MPEG-2 Half H Mwave MDSP2780 DSP w Data/fax modem functior 16 bit audio chip on plans. Int stereo speakers / .5 w Input jack (3.5 mm) / Output Telephone / answering mainfrared ports (front and | in/out / game port orizontal Resolution (HHR) decode vith modem, fax, audio, telephony f n via DSP (v.34 to 33.6 Kbps) / Mwave ar with Mwave DSP att / slide volume control / internal t jack (3.5 mm) / Joystick/MIDI port (in tchine / full duplex speakerphone / D back) / IrDA 1.0 compatible / up to 11 | r (MPEGCD1) unction 2.2.21 microphone cludes cable) SVD 5 kbs   | turning on.  ThinkPad 765D supported batteries:  - 760 NiMH Battery (black) 41H9720  - Li-lon Battery Pack II (gray) 29H9329  - Travel Quick Charger 85G1522  - Car Battery Adapter 49G2167  ThinkPad 765 supported disks:   |  |  |  |
| Security  | device keyhole (Kensingto   | disk password / Supervisor passwor<br>n™ cable lock) / Security latch for ke<br>on) / PC Card lock / Personalization /   | yboard and  | - 720 MB HDD II EIDE 12.5 mm 29H9383<br>- 810 MB HDD II EIDE 12.5 mm 29H9319<br>- 1.08 GB HDD II EIDE 12.5 mm 29H9319<br>- 1.2 GB (1.96"+ models) 17 mm 29H9325  |  |  |  |
| Warranty<br>Service Options   |   | rv (depot repair service) or carry-in<br>day (71 cities) / Warranty extension  | to 5 years  | - 1.4 GB HDD 3L EIDE 12.5 mm 69H8412<br>- 2.1 GB (1.96"+ models) 17 mm 69H8414<br>- 3.0 GB (1.96"+ models) 17 mm 45H8789   |  |  |  |
| for video capture (ca<br>from a TV or VCR),<br>and digitize still photo<br>- Composite out and<br>(connect to video o<br>or record on VCR th<br>- Mini game port for<br>Includes video in an<br>(includes one video | S-Video in (NTSC or PAL) apture and digitize video still image capture (capture to images), and overlay. I S-Video out to TV ut port; NTSC or PAL); se screen of ThinkPad. MIDI or joystick d video out ports in/out cable)     | - Second HDD Adapter - IDE Conversion Card (for Dock I/II) - SelectaDock II - SelectaDock III - Port Replicator I (w/ PCMCIA slots) - Port Replicator II - SelectaDock Base Model I - 2.88 MB diskette drive - FDD External Attachment Kit - 56 watt AC Adapter (4 pin; 3 prong) - 4 x CD-ROM (UltraBay)     | 29H9333<br>46H5994<br>3547001<br>3547002<br>3547003<br>66G3510<br>66G3520<br>39H7405<br>66G3618<br>12J2456<br>39H7413   | - 5.1 GB (1.96"+ models) 17 mm 00K7902  FEATURES OF 765 MODELS  Quick Setup Guide (single page)  LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameolate in indention |  |  |  |
| <ul> <li>Includes video in an<br/>(includes one video</li> <li>Use software called</li> <li>Hardware accelera</li> </ul>  | d video out ports<br>in/out cable)<br>Digital Video Producer™   | - FDD External Attachment Kit<br>- 56 watt AC Adapter (4 pin; 3 prong)   | 66G3618<br>12J2456  | hibernation modes  |  |  |  |

-8-20 x CD-ROM (UltraBay) -8 MB SO DIMM 3.3v NP EDO 64 bit

- 16 MB SO DIMM 3.3v NP EDO 64 bit

- 32 MB SO DIMM 3.3v NP EDO 64 bit - 64 MB SO DIMM 3.3v NP EDO 64 bit

-16 MB SO DIMM NP EDO 64 bit (new) 01K1124

US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service **IBM System Care Program** 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)

92G7340

92G7341

92G7342

76H0268

55H6759

04K0052

- PCMCIA 33.6 Kbps modem XJACK - 56K PC Card Modem Kit movies, video CD's, and Karaoke MPEG video titles ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight,

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integrated into the 9385 graphics controller; interpolation in X and Y axis; color space

Plays back MPEG motion videos, CD-I

Windows ™ formerly done by a separate ASCII chip (as in 755CD and 760CD) has now been

| IBM® ThinkPad®:   |  |  |   |   |   |  | WINDOWS 95 PRELOAD16  |
|---|--|--|---|---|---|--|---|
| Processor type/path<br>Processor features<br>L2 cache<br>Diskette (removable)<br>External FDD port<br>CD-ROM (removble)<br>DVD (removable)                    | No upgrade / pro<br>512KB / write-ba<br>3.5" 1.44MB / in<br>External diskette  | cessor, L2 cach<br>ack / direct mapp<br>encased enclose<br>port (use std ca<br>D-ROM / 20X-8X<br>PIO Mode 4 for V<br>DM drive / 8 x to | et<br>apping<br>7GB)  | - Microsoft® Windows® 95 OSR2 (FAT16) - Online User's Guide - ThinkPad Configuration Program - Diskette Factory Utilities 1. Puma TranXit: 2. IBM AntiVirus   |   |  |   |
| Type - model<br>Processor<br>Display (diagonal)<br>Disk (removable)<br>Preload (see side)<br>DVD and Enh Vid Ad<br>Modem<br>Avail/withdrawn date              | 200/66MHz<br>13.3" XGA<br>3.2GB <sup>4</sup> /PIO4<br>W95 OSR2<br>d Optional<br>Opt PC Card  | 9548-30U<br>233/66MHz<br>13.3" XGA<br>4GB / PIO4<br>W95 OSR2<br>Optional<br>Opt PC Card<br>eptember 1998                               | (AAP)<br>z<br>disk)<br>rd   | 7. Artisoft ConfigSafe 8. IBM Internet Connection services with Netscape Navigator web browser 9. Intel® LANDesk® Client Manager 10. Intel Video Phone (receive) (1AU only) 11. ThinkPad PointCast 12. NetMeeting™ 2.0 13. Ergonomics; 14.ThinkPad on the NET |   |  |   |
| Memory - std / max<br>Memory - upgrade  | 2 sockets availab  | ble for ṫwo JEDI   | EC 144 pin EDO  | 33 or 100MHz<br>0 or SDRAM SO-D<br>n mix SDRAM w/70   |   | dEDO   | 15. NetFinity for Windows 95  Recovery CD-ROM with boot diskette  Windows 95 CD-ROM (no installation)  Internet Explorer 4.0 CD-ROM   |
| Display - size (colors<br>Display - techology   |  |  |   |   | 36 siml cold                              | ors)   | WINDOWS NT 4.0 PRELOAD  |
| Graphics - controller<br>Graphics - arch<br>Graphics - features<br>Graphics - external  | Trident™ CYBEI<br>PCI 2.1 / Direct3<br>3D hardware ac  | R9397 / 64-bit S<br>D, DirectDraw, I<br>celerator / inter  | VGA accelerato<br>DirectVideo, Acti<br>polation in X and  |   | ZV interface<br>ace convers               | ion  | Windows NT® Workstation (FAT16)     Advanced NT extensions:     Power management     UltraBay Plug and Play   |
| Disk (removable)<br>Disk controller   | Enhanced IDE / b   | ousmaster / PCI  | 2.1 / 430TX Sou   | screw, security too<br>uth Bridge / PIIX4 /<br>DMA/33, or PIO N   | supports tv                               | vo   | DVD (storage only; no DVD movies)     Hot Plug PC Card; MPEG-2 playbck     3D graphis (OpenGL)  |
| Keyboard / Fn keys<br>Keyboard slope<br>Pointing device   | Full size alp/num<br>Flat keyboard (do<br><b>TrackPoint</b> ® / Pr<br>center click butto   | oes not lift up) / r<br>ess-to-Select / F  |   | Video capture     Online User's Guide     ThinkPad Configuration Program     IBM AntiVirus     BM Internet Connection services with   |   |  |   |
| Dimensions<br>Weight <sup>2</sup>   | 1AU: 12.3 x 10 x<br>Others: 12.3 x 9.  |  |   | Netscape Navigator web browser 3. Intel LANDesk Client Manager  |   |  |   |
| Battery - type Battery - life (1 batt) Charge time - on / of  | Lithium Ion / intel<br>1AU: 3.5 hrs (7 h   | ligent / left side<br>nrs with second  |   | The right bay (UltraBay™ II) has LED on release latch to provide status; it supports  |   |  |   |
| Architecture  Port replicator Docking Station PC Card Std slots USB / serial / paralle Other features   | ISA (audio, modem, diskette, serial, parallel, infrared, ext expansion) PCI 2.1 / 32-bit / 33Mhz (EIDE, graphics, CardBus, MPEG, USB, ext expansion) Intel 430TX PCIset / TI PCI1250 for CardBus / LM75 digital thermometer SelectaBase 770 / PC Card Enabler SelectaDock III / SelectaDock I and II 2 Type I, 2 Type II, or 1 Type III / CardBus 32-bit PCI / PCMCIA 21/Zoomed Vide I One USB / one 9 pin serial; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) APM-aware BIOS / AC Adapter barrel, 3 prong (56 watts) / Selectable boot |  |   |   |   |  | hot swapping; it supports: ① std diskette; ② optional DVD drive; ③ optional CD-ROM; ④ optional 2nd disk; ⑤ optional 2nd battery; ⑥ optional ThinkPad Proven™ VST Zip™ 100 drive; Easy-Setup is entered by holding F1 when turning on. Screens are 150 nits (90 nits on battery) |
| Video in/out MPEG decoder Data/fax modem Audio support  | 1AU or option: V<br>1AU or option: N<br>1AU: 33.6Kbps (<br>integrated  | ideo in/out (com<br>IPEG-2 / IBM MI<br>(56Kbps upgrad<br>Mwave® 3780i I  | posite and S-Vic<br>PEGCD1M / 2ME<br>eable via x2 <sup>8</sup> ) / 1<br>DSP / internation                   | deo) / SAA7111A N<br>3 SDRAM; 100MH<br>4.4Kbps fax / telep<br>al programmable<br>/ software decode  | NTSC/PAL<br>z<br>phony /<br>DAA           | stereo   | ThinkPad 770 supported disks:  - 3.2GB 13ms read/14ms write 17 mm PIO Mode 4 or DMA Mode 2  |
| Jacks<br>Infrared ports   | Int stereo speake<br>Input jack (3.5 mr  | ers (front) <b>/ 1 wa</b> t<br>m) / Output jack (  | tt / rotary volume<br>(3.5 mm) / full du  | e control (right) / in  | t microphon                               | ne   | - <b>4.0GB</b> 13ms read/14ms write<br>12.5 mm PIO Mode 4 or Ultra DMA/33<br>- <b>5.1</b> and <b>8.1GB</b> 12ms read/13ms write   |
| Security  |  |  |   | rvisor password /<br>r battery and Ultra  |   | /hole /  | 17 mm PIO Mode 4 or Ultra DMA/33 - All 760 supported disks (requires opt adaptr)  |
| Limited warranty <sup>11</sup><br>Service options <sup>15</sup>   | mited warranty <sup>11</sup> 3 year - ThinkPad EasyServ (depot repair service) or carry-in / international   |  |   |   |   |  | FEATURES OF 770 MODELS Wired for Management 1.1a  |
| DVD movie playl<br>decryption and au     Video in (compositive (ca<br>or VCR), still imag<br>still photo images     Video out (composition) (connect to video | ptional all others):  2 HHR, and full Ner (audio decoded back (MPEG-2 de udio decoding via site and SVHS) (Neture and digitize ge capture (capture), and overlay osite and SVHS) to out port; NTSC o   | - 8.1GB disk, - 2nd Disk Ac - SelectaBas - SelectaDoc - SelectaDoc - SelectaBas - 760 UltraBa - 56 watt AC - 20X-8X CD - 24X-10X CI    | k l <sup>18</sup><br>k ll <sup>18</sup>   | /33 02K<br>disks) 11,18<br><b>83H</b><br>354;<br>354;<br><b>er 83H</b><br>11,18<br>prong) 83H<br>aBay II) 11,18<br>aBay II) 02K   | 8933                                      | PC 97 compliant DMI 1.1 compliant DMI instrumentation (thermal monitoring) Wake-on-LAN via SelectaDock III C: is 1.99 GB, D: is up to 1.99 GB, etc. Quick Setup Guide (single page) LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant |   |
| - Dolby® Digital At Digital signal from requires external.  | n AC-3 connector;<br>AC3 decoder/amp<br>/ideo in, ② video o  | ecoded Dolby<br>CSA8404A);<br>lifier   | <ul> <li>DVD and Er</li> <li>16MB SO D</li> <li>32MB SO D</li> <li>64MB SO D</li> <li>56K PC Car</li> </ul> | nh Video Adapter<br>IMM 3.3v NP SDRA<br>IMM 3.3v NP SDRA<br>IMM 3.3v NP SDRA<br>Id Modem Kit<br>70 Li-Ion Battery   | 11J8<br>AM 76H<br>AM 76H<br>AM 76H<br>04K | 8957<br><b>10293</b><br><b>10294</b><br><b>10295</b><br>0052   | International Warranty Service <sup>14</sup> IBM SystemXtra™  |

| IBM <sup>®</sup> ThinkPad <sup>®</sup> :  | 770E  | 770E   | 770ED  | 770E (AAP)  | WINDOWS 95 PRELOAD16   |
|---|---|--|--|---|--|
| Processor features<br>L2 cache<br>Diskette (removable<br>External FDD port<br>CD-ROM (removble  | Pentium® II 266/66<br>No upgrade / proces<br>512KB / write-back<br>) 3.5" 1.44MB / in end<br>External diskette pc<br>) Option: 5.25" CD-F<br>EIDE (ATAPI) / PIO<br>) Std or option: DVD<br>requires DVD and E | ssor, L2 cache, and<br>/ 4 way set associa<br>cased enclosure / us<br>ort (use std cable to<br>ROM / 24X-10X <sup>5</sup> spe<br>D Mode 4 for W95; D<br>drive / 8 x to 16 x sp | - Microsoft® Windows® 95 OSR2.1 (FAT16) • Online User's Guide • ThinkPad Customization Center • ThinkPad Configuration Program • SystemSoft CardWorks • Diskette Factory Utilities • Puma IntelliSync 97; 2. IBM AntiVirus • Asymetrix Digital Video Producer (5AU) • RingZero Ring Central (5AU only)   |   |  |
| Type - model Display (diagonal) Disk (removable) DVD-ROM drive Preload (see side) DVD and Enh Vid Ad Modem Avail / withdr date Memory - std / max Memory - upgrade  | Opt PC Card<br>April 1998 / Decemb<br>32MB / 288MB <sup>3</sup><br>SDRAM / 83 or 100  | <b>32MB</b> / 288MB <sup>3</sup><br>MHz / non-parity / 3   | 9549-5AU 14.1" TFT XGA 8.1GB / PIO4 Standard DVD W95 OSR2.1 Standard 56Kbps  64MB / 288MB <sup>3</sup> 3.3v / 2 sockets availa   |   | Intelliquest Registration Mailer Voyetra Audiostation ConfigSafe IBM Internet Connection services with Netscape Navigator web browser Intel® LANDesk® Client Manager Intel Video Phone (receive) (5AU only) ThinkPad PointCast Ergonomics ThinkPad on the NET NetFinity for Windows 95 Recovery CD-ROM with boot diskette  |
| Display - techology   | Active Matrix TFT   | - 100 to 1 contrast /  | <b>c768 (16 million simu</b><br>150 nits (AC) / 90 nits<br>rator / <b>4MB SGRAM</b> /  | (batt) / 180 degree   | Customization CD-ROM (apps/drivers)  |
| Graphics - arch   | PCI 2.1 / Direct3D,<br>3D hardware accel<br>External SVGA to 12<br>Left side / removable<br>Enhanced IDE / bus<br>internal disks (16.20   | DirectDraw, DirectV<br>erator / interpolation<br>280x1024 w/ 64K co<br>e via 3 methods: lat<br>master / PCI 2.1 / 43<br>GB max) / DMA Mod                                      | ideo, DirectX 5.0 supp<br>n in X and Y axis / col<br>lors (85Hz) or 1024x;<br>ch, coin screw, secur<br>80TX South Bridge / F<br>e 2, Ultra DMA/33, or  | oort / ZV interface<br>or space conversion<br>768 w/ 16M colors<br>ity tool / SMART<br>PIIX4 / supports two   | - Windows NT® Workstation (FAT16) • Service Pack 3 • Internet Explorer 4.01 • Advanced NT extensions • Online User's Guide • ThinkPad Configuration Program • SystemSoft CardWizard  |
| Keyboard / Fn keys<br>Keyboard slope<br>Pointing device   | Full size alp/num / 7 Flat keyboard (does TrackPoint® / Press center click button for   | not lift up) / rear leg<br>s-to-Select / Release   | IBM AntiVirus     IBM Internet Connection services with Netscape Navigator web browser     Intel LANDesk Client Manager  |   |  |
| Dimensions<br>Weight <sup>2</sup>   | 12.3 x 10 x 2.2" (270 Others: 7.6 pounds  | (3.45 kg) with batte   | Artisoft ConfigSafe     Puma IntelliSync 97     Customization CD-ROM (apps/drivers)  |   |  |
|   | Lithium Ion / intellige<br>3.5 hrs (7 hrs with so<br>1.5 to 2 hrs / 1.5 to 2.5  | econd battery in Ultr  | aBay II)   |   | V Gustomization OD-NOW (apps/unvers)   |
| Architecture  Port replicator Docking Station PC Card Std slots USB / serial / paralle Other features   | Intel 440BX PCIse<br>PCI 2.1 / 32-bit / 33I<br>PC97338 Super I/O<br>SelectaBase 770 /<br>SelectaDock III / Si<br>2 Type 1, 2 Type II,<br>slOne USB / one 9 pir<br>APM-aware BIOS / A                          | MHz (EIDE, graphic<br>/ ISA (audio, mode<br>PC Card Enabler <sup>18</sup> )<br>electaDock I and II<br>or 1 Type III / Card<br>n serial; 16550A / on                            | hot swapping; it supports: ① std diskette; ② optional DVD drive; ③ optional CD-ROM; ④ optional 2nd disk; ⑤ optional 2nd battery; ⑥ optional ThinkPad Proven™ VST Zip™ 100 drive  |   |  |
| Video in/out<br>MPEG decoder<br>Data/fax modem<br>Audio support<br>Jacks<br>Infrared ports  | 5AU or option: Vide<br>5AU or option: MPE<br>5AU: 56Kbps (x2, u   | o in/out (composite a<br>EG-2 / IBM MPEGCD<br>pgradeable to v.908'<br>wave® 3780i DSP / ir<br>S 3D audio / FM s<br>(front) / 1 watt / rotal<br>outout jack (3.5 mm             | - 5.1GB 12ms read/13ms write<br>17 mm PIO Mode 4 or Ultra DMA/33   |   |  |
| Security  | Power-on password   | l / hard disk passwoi  | rd / supervisor passw  | ord / security keyho  | - 8.1GB 12ms read/13ms write<br>17 mm PIO Mode 4 or Ultra DMA/33<br>- All 760 supported disks (requires opt adaptr)  |
| Limited warranty <sup>11</sup> Service options <sup>15</sup>  | 3 year - ThinkPad E<br>Rapid Depot Repair   | asyServ <sup>31</sup> (door-to-c<br>(12 hr service from a  | door depot repair serv<br>rrival time for 3 bus da<br>es) / serv up to 5 yrs   | ice) or carry-in<br>ay average turnarour  | PC 97 compliant  |
| provides (standard  - MPEG-1, MPEG- hardware decod - DVD movie playl decryption and au  - Video in (compo- video capture (ca or VCR), still imags still photo images - Video out (compo- (connect to video or record on VCR - Dolby® Digital Al Digital signal from requires external | osite and SVHS) to T<br>to out port; NTSC or P.<br>the screen of ThinkF<br>C-36 (outputs undeco<br>AC-3 connector; CS<br>AC3 decoder/amplifie<br>video in, @ video out,                                       | hers):  5G-2 a software) ding; ware) C or PAL) for eo from a TV nd digitize V AL); Pad ded Dolby A8404A); Pr 3 AC-3  | 1GB disk, 12ms, Ultra 1GB disk, 12ms, Ultra 1GB disk, 12ms, Ultra 1d Disk Adapter (for 76 electaBase 770 electaDock III18 C Card Enabler with 10 UltraBay Tray for 15 watt AC Adapter (ba 15 x-8X CD-ROM Drive 1X-10X CD-ROM Drive | DMA/33 02K05<br>11J88<br>83H67<br>35470<br>Ether Jet <sup>18</sup> 05K48<br>SD III 11J88<br>rrel; 3 prong) 83H67<br>(UltraBay II) 11J89<br>re (UltraBy II) 02K05<br>apter 11J89<br>SDRAM 76H02<br>SDRAM 76H02 | ACPI ready (APM enabled) Wired for Management 1.1a compliant Wake on LAN™ support²8 C: is 1.99G, D: up to 1.99G (FAT32), etc. Setup Guide, User's Guide, Up and Running, Windows 95 manual LCD indicator panel Plug and Play 1.0a Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant International Warranty Service¹4 IBM SystemXtra™ 24 hour /7 day telephone³0, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support |

|   | 770X 770X   | 770X 770X 770)   | X (AAP)  | WINDOWS 98 PRELOAD <sup>16</sup>   |  |
|---|---|--|--|--|--|
| L2 cache Diskette (removable External FDD port CD-ROM (removble   | 512KB / write-back / 4 way set a<br>) 3.5" 1.44MB / in encased enclos<br>External diskette port (use std ca<br>) Std or option: CD-ROM / 24X-10   | Hz¹ / 66MHz system bus<br>e, and MTXC (North Bridge) on Mobile<br>ssociative/ sync pipelined burst / ECC<br>ure / use in UltraBay™ II or attach exte<br>ible to attach diskette drive externally)<br>IX⁵ speed / bootable / hot swap/ use in<br>6X-8X⁵ speed / CAV / use in UltraBay II  | / 150MHz<br>rnally<br>UltraBay II  | Microsoft® Windows® 98     Online User's Guide     ThinkPad Configuration Program     ThinkPad Utilities     IBM Registration     Puma IntelliSync 97     Norton AntiVirus   |  |
| Type - model<br>Preload (see side)<br>DVD or CD-ROM<br>Display (diagonal)<br>Disk (removable)<br>Avail / withdr date  | 9549-71U 9549-72U NT 4.0 CD-ROM 14.1" TFT XGA (1024x768) 8.1GB <sup>4</sup> / 12ms read / 13ms write October 1998 / June 1999   |  | " TFT XGA  | <ul> <li>Mediamatics DVD Express</li> <li>Artisoft ConfigSafe</li> <li>IBM Global Network Dialer</li> <li>Netscape Navigator web browser</li> <li>ThinkPad on the Net</li> <li>Ring Central</li> </ul>   |  |
| Memory - std / max<br>Available sockets<br>Memory - features  | 2 available sockets<br>SDRAM / 66MHz / non-parity / 3.3   | 128MB / 320MB <sup>21</sup> 1 socket (one used by 64MB) 2 ava<br>3v / sockets accessed by removing screw on two JEDEC 144-pin SDRAM S  | on bottom  | <ul> <li>Intel Video Phone</li> <li>Ergonomics</li> <li>Update Connector</li> <li>Recovery CD-ROM (with boot diskette)</li> <li>Customization CD-ROM (apps/drivers)</li> </ul>   |  |
| Display - size<br>Display - colors<br>Display - techology   | 14.1" (358mm) color / 1024x768<br>16.7 million simultaneous colors<br>Active Matrix TFT / 180 degree  |  | 1024   | WINDOWS NT 4.0 PRELOAD <sup>16</sup>   |  |
|   | Trident™ CYBER9397DVD/ Acc<br>4MB SGRAM / 83MHz<br>3D hardware accelerator / AGP  | celerated Graphics Port / 64-bit accele  | SGRAM<br>/ Direct3D  | <ul> <li>Windows NT® Workstation 4.0</li> <li>Service Pack 3</li> <li>Internet Explorer 4.01</li> <li>Advanced NT extensions</li> <li>Online User's Guide</li> </ul>   |  |
| Disk (swappable)<br>Disk controller   |   | ds: latch, coin screw, security tool / SM<br>2.1 / PIIX4E / supports two internal disk<br>IO Mode 4  |  | <ul> <li>ThinkPad Utilities</li> <li>ThinkPad Configuration Program</li> <li>Norton AntiVirus (OEM Version)</li> </ul>   |  |
| Keyboard / Fn keys<br>Keyboard slope<br>Pointing device   | Flat keyboard (does not lift up) / re<br>TrackPoint® / Press-to-Select / R  | functions / integrated palm rest<br>ear legs pop up (5.5 degrees slope)<br>telease-to-Select / dragging / click pace<br>magnifying glass / suspension top / spa  |  | IBM Global Network Dialer     Netscape Navigator web browser     Ergonomics     IBM Registration     SystemSoft CardWizard   |  |
| Dimensions / weight   | <sup>2</sup> 12.3 x 10 x 2.2" (270 cubic in) / 1<br>13.7" mod: 7.63 lbs (3.46 kg) with  | 4.1" mod: 7.57 lbs (3.43 kg) with batter battery/diskette  | ry/diskette  | ConfigSafe     Puma IntelliSync 97   |  |
|   | Lithium Ion / intelligent / left side<br>) 3.5 hrs (7 hrs with second battery<br>ff 2 to 3 hrs / 1.5 to 2.5 hrs   | ,  |  | <ul> <li>♦ Recovery CD-ROM (with boot diskette)</li> <li>♦ Customization CD-ROM (apps/drivers)</li> <li>All models:</li> <li>- C: drive is FAT16 of 2GB</li> </ul>   |  |
| Port replicator Docking Station PC Card Std slots USB / serial / paralle Other features   | Intel 440BX AGPset / Intel 8237<br>TI® PCI1251 for CardBus / AGP 1<br>PCI 2.1 / 32-bit / 33MHz (EIDE, 0<br>PC97338 Super I/O / ISA (audio,<br>SelectaBase 770 / PC Card Ena<br>SelectaDock III / SelectaDock I<br>2 Type 1, 2 Type II, or 1 Type III<br>el One USB / one 9 pin serial; 16556<br>APM-aware BIOS / AC Adapter b   | ed, ext exp) erJet <sup>18</sup> deo directional)  | - D: drive is FAT32 (if W98) or FAT16 (if NT) of remaining space  The right bay (UltraBay™ II) has LED on release latch to provide status; supports hot swapping:  • std diskette • std or optional DVD drive • std or optional CD-ROM |  |  |
| Video in/out<br>MPEG<br>Data/fax modem<br>Audio support   | Option on DEVA: Video in/out (cc Software support for MPEG-227 b 56Kbps (x2, upgradeable to v.90 integrated Mwave® 3780i DSP / in CS4239: ISA / SRS 3D audio / FN CS4610: PCI / decodes AC3 into Int stereo speakers (front) / 1 wat  | omposite and S-Video) / SAA7111A NTS<br>recause 300MHz with motion compens<br>b) / voice-capable /<br>ternational programmable DAA<br>M synthesis / 16-bit playback and record<br>stereo / MPEG-2 audio decoding / accel<br>t / rotary volume control (right) / int micr   | SC/PAL sation  I of DirectX  | <ul> <li>std of optional 2nd disk</li> <li>optional 2nd disk</li> <li>optional 2nd battery (requires adapter; cold swap only)</li> <li>optional ThinkPad Proven™ VST Zip™ 100 drive or SuperDisk (LS-120) drive (cold swap only)</li> <li>ThinkPad 770 supported disks:</li> </ul>   |  |
| Jacks<br>Infrared ports   | Input jack (3.5 mm) / output jack (3.5 mm) / | DA 1.1 compatible / up to 4Mbps  | to do a do alla /  | - <b>3.2GB</b> 13ms read/14ms write 17 mm<br>- <b>4.0GB</b> 13ms read/14ms write 12.5 mm   |  |
| Security  Limited warranty <sup>11</sup>  | personalization / phillips-head sci   | assword / supervisor password / securi<br>rews on base for battery and UltraBay II<br>yServ™³¹ Rapid Depot Repair (3 busine  | lbays  | <ul> <li>- 5.1GB 12ms read/13ms write 17 mm</li> <li>- 8.1GB 12ms read/13ms write 17 mm</li> <li>- All 760 supported disks (requires opt adaptr)</li> </ul>  |  |
| Service options <sup>15</sup>   | average turnaround  | (72 cities) / serv up to 5 yrs from purcha   |  | PC 97 compliant DMI 2.0 compliant  |  |
| (DEVA) 10L1228 pt  - MPEG-1, MPEG- hardware decod IBM MPEGCD1N  - DVD movie playl decryption and at  - Video in (compo- video capture (ca or VCR), still images  - Video out (compo- (connect to video or record on VCR  - Dolby® Digital A Digital signal from | -2 HHR, and full MPEG-2 <sup>27</sup> ler (audio decoded via software); 1/2MB SDRAM; 100MHz back <sup>27</sup> (MPEG-2 decoding; udio decoding via software) site and SVHS) (NTSC or PAL) for pture and digitize video from a TV ge capture (capture and digitize   | - 5.1GB disk, 12ms, Ultra DMA/33 - 8.1GB disk, 12ms, Ultra DMA/33 - 14.1GB disk, 12ms, Ultra DMA/33 - 2nd Disk Adapter (for 760/770 disks) - SelectaBase 770 - SelectaBock III <sup>18</sup> - PC Card Enabler with Ether Jet <sup>TM1</sup> - 760 UltraBay Tray for SD III - 56 watt AC Adapter (barrel; 3 prong - 24X-10X CD-ROM Drive (UltraBy II) - 2X DVD Drive (UltraBay II) - DVD and Enh Video Adapter (DEV/4 - 32MB SO DIMM 3.3v NP SDRAM - 64MB SO DIMM 3.3v NP SDRAM - 128MB SO DIMM 3.3v NP SDRAM - V.90 PC Card Modem with XJACK - ThinkPad 770 Li-lon Battery - External Battery Charger | 83H6735<br>3547003<br>05K4820<br>11J8839<br>) 83H6739<br>)) 02K0516<br>05K8886<br>A) 10L1228<br>76H0294<br>20L0241<br>01K1150  | DMI instrumentation (thermal monitoring) ACPI ready (APM enabled) Wired for Management 1.1a compliant Wake on LAN® support28 Setup Guide, User's Guide, Windows 98 or NT manual LCD indicator panel Plug and Play 1.0a Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant International Warranty Service14 IBM SystemXtra®.35 24 hour /7 day telephone30, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support |  |

| IBM® ThinkPad®:   | 770Z 770Z   | 770Z 770Z   | 770Z (AAP)  | WINDOWS 98 PRELOAD16   |
|---|---|---|---|--|
| Processor<br>Processor features<br>L2 cache<br>Diskette (removable)<br>External FDD port<br>CD-ROM (removble)   | Intel® Mobile Pentium® II 366Mi<br>No upgrade / processor, L2 cach<br>256KB / onboard (full speed) / s<br>3.5" 1.44MB / in encased enclose  | <b>Hz¹</b> / 66MHz system bus<br>e, and MTXC (North Bridge) on M<br>ync pipelined burst / write-back / l<br>ure / use in UltraBay™ II or attach<br>ble to attach diskette drive extern<br>X⁵ speed / bootable / hot swap/ u   | obile Module<br>ECC<br>externally<br>ally)<br>se in UltraBay II   | Microsoft® Windows® 98     Online User's Guide     ThinkPad Configuration Program     ThinkPad Utilities     IBM Registration     Puma IntelliSync 97     Norton AntiVirus (OEM Version)   |
| Type - model<br>Preload (see side)<br>DVD or CD-ROM<br>Display (diagonal)<br>Disk (removable)<br>Avail / withdrawn  | 9549-81U Windows 98 DVD-ROM DVD-ROM 14.1" TFT XGA (1024x768) 14.1GB <sup>4</sup> / 12ms / 4902rpm / PIO4 February 1999 / December 1999  | Windows 98  | 9549-83U (AAP)<br>Blank (no disk)<br>Optional<br>14.1" TFT XGA<br>None  | Mediamatics DVD Express (DVD mod)     ConfigSafe     IBM Global Network Dialer     Netscape Communicator     Universal Management Agent     Access ThinkPad  |
| Memory - std / max<br>Available sockets<br>Memory - features  | 128MB / 320MB <sup>21</sup> 1 available socket (one used by 6 SDRAM / 66MHz / non-parity / 3.3 64MB on motherboard and 2 soc  | 64MB SO-DIMM)<br>By / sockets accessed by removing so<br>kets for two JEDEC 144-pin SDR.  | crew on bottom<br>AM SO-DIMMs   | ThinkPad on the Net RingCentral Intel Video Phone IBM Update Connector Software Selections CD-ROM  |
| Display - size<br>Display - colors<br>Display - technology  |   | 3 13.7" (348mm) SXGA color / 13<br>65,536 simultaneous colors at 1<br>tilt  |   |  |
| Graphics - arch<br>Graphics - features<br>Graphics - external   |   | 8MB SGRAM / 83MHz<br> -1x / sideband / motion compens<br>64K colors (85Hz) / multiple-monito  | 4MB SGRAM<br>sation<br>or support <sup>26</sup>   | WINDOWS NT 4.0 PRELOAD <sup>16</sup> - Windows NT® Workstation 4.0  - Service Pack 4a  • Online User's Guide   |
| Disk (swappable) Disk controller  |   | ds: latch, coin screw, security tool<br>2.1 / PIIX4E / supports two interna<br>IO Mode 4  |   | ThinkPad Utilities ThinkPad Configuration Program Norton AntiVirus (OEM Version)  ThinkPad Configuration Program ThinkPad Configuration Program ThinkPad Utilities ThinkPad Utilities ThinkPad Utilities ThinkPad Utilities  |
| Keyboard / Fn keys<br>Keyboard slope<br>Pointing device   | TrackPoint®/Press-to-Select/R   | functions / integrated palm rest<br>ear legs pop up (5.5 degrees slope<br>elease-to-Select / dragging / click<br>magnifying glass / suspension top  | pace/   | IBM Global Network Dialer     Netscape Communicator     Universal Management Agent     Access ThinkPad     IBM Update Connector  |
| Dimensions / weight <sup>2</sup>  | <sup>2</sup> 12.3 x 10 x 2.2" (270 cubic in) / <i>1</i> 13.7" mod: 7.85 lbs (3.56 kg) with  |   | pattery/DVD   | IBM Registration     SystemSoft CardWizard   |
|   | 4.0 hrs (8 hrs with second battery f 2 to 3 hrs / 1.5 to 2.5 hrs  | in UltraBay II) / lithium Ion / intellig  | gent / left side  | ConfigSafe     Puma IntelliSync 97     ConfigSafe     Puma IntelliSync 97  |
| Architecture  | TI® PCI1251 for CardBus / AGP f<br>PCI 2.1 / 32-bit / 33MHz (EIDE, C  | 1EB <b>PIIX4E</b> (EIDE, ISA Bridge, U<br>or graphics / LM75 digital thermor<br>CardBus, audio, USB, ext expansi<br>modem, diskette, serial, parallel, ir   | meter<br>ion)   | <ul> <li>♦ Software Selections CD-ROM</li> <li>♦ Recovery CD-ROM (Windows NT)</li> </ul> All models:   |
| Port replicator<br>Docking Station<br>PC Card Std slots<br>USB / serial / paralle<br>Other features   | SelectaBase 770 / PC Card Ena<br>SelectaDock III <sup>18</sup> / SelectaDock<br>2 Type 1, 2 Type II, or 1 Type III /<br>I One USB / one 9 pin serial; 16550   | bler¹8 / PC Card Enabler with Adv<br>: <b>I and II</b><br>/ <b>CardBus</b> / PCMCIA 2.1 / Zoome   | ed Video<br>P, bidirectional)   | - C: drive is FAT16 of 2GB - D: drive is FAT32 (if W98) or FAT16 (if NT) of remaining space  The right bay (UltraBay™ II) has LED on   |
| Video in/out<br>MPEG-2 playback <sup>27</sup><br>DVD movie playback <sup>3</sup><br>Data/fax modem  | Option on DEVA: Video in/out (cc<br>W98 models: Full MPEG-2 playb<br>4 W98 models: Yes<br>56K <sup>22</sup> / V.90 / integrated Mwave   | omposite and S-Video) / SAA7111/<br>oack <i>NT models:</i> Optional via<br><i>NT models:</i> No (limitation   | ANTSC/PAL<br>DEVA   | release latch to provide status; supports hot swapping: • std diskette • std or optional DVD drive • std or optional CD-ROM  |
| Audio support  Jacks  | CS4610: PCI / decodes AC3 into s  | A synthesis / 16-bit playback and restereo / MPEG-2 audio decoding / at / rotary volume control (right) / int 8.5 mm) / full duplex   | accel of DirectX  | optional 2nd disk     optional 2nd battery (requires adapter; cold swap only)     optional ThinkPad Proven™ VST Zip™   |
| Infrared ports Security   | Infrared ports (front and back) / Irl   |   | ecurity keyhole /   | 100 drive or SuperDisk (LS-120) drive (cold swap only)   |
| Limited warranty <sup>11</sup>  | personalization / phillips-head scr   | rews on base for battery and UltraE<br>yServ <sup>31</sup> Rapid Depot Repair (3 bus  | Bay II bays   | PC 97 compliant<br>DMI 2.0 compliant   |
| Service options <sup>15</sup>   | average turnaround)   | (72 cities) / serv up to 5 yrs from p   | •   | DMI instrumentation (thermal monitoring) ACPI ready (APM enabled)  |
|   | Enhanced Video Adapter  | - 5.1GB disk, 12ms, Ultra DMA/3<br>- 8.1GB disk, 12ms, Ultra DMA/3  | 33 11J8947<br>33 02K0517  | Wired for Management 1.1a compliant Wake on LAN® support <sup>28</sup> Setup Guide, User's Guide, Windows 98   |
| hardware decod IBM MPEGCD1M  DVD movie playb decryption and au  Video in (compos video capture (cal or VCR), still images still photo images Video out (compos (connect to video or record on VCR Dolby® Digital Ad Digital signal from requires external | 2 HHR, and full MPEG-2 <sup>27</sup> er (audio decoded via software); /2MB SDRAM; 100MHz pack <sup>27</sup> (MPEG-2 decoding; idio decoding via software) site and SVHS) (NTSC or PAL) for pture and digitize video from a TV ge capture (capture and digitize ), and overlay soite and SVHS) to TV out port; NTSC or PAL); the screen of ThinkPad C-3 <sup>6</sup> (outputs undecoded Dolby AC-3 connector; CSA8404A); AC3 decoder/amplifier video in, ② video out, ③ AC-3 | - 14.1GB disk, 12ms, Ultra DMA - 2nd Disk Adapter (for 760/770 d - SelectaBase 770 - SelectaDock III <sup>18</sup> - PC Card Enabler <sup>18</sup> - PC Card Enabler with Ether Jet - 760 UltraBay Tray for SD III - Ultraslim 56 watt AC Adpter (3 p - 24X-10X° CD-ROM Drive (Ultra - 2X°5 DVD Drive (UltraBay II) - DVD and Enh Video Adapter (I - 32MB SO DIMM 3.3v NP SDRAI - 64MB SO DIMM 3.3v NP SDRAI - 128MB SO DIMM 3.3v NP SDRAI - 1790 PC Card Modem with XJ - ThinkPad 770 Li-Ion Battery | /33 02K0526<br>lisks) 11J8836<br>83H6735<br>3547003<br>83H6741<br>05K4820<br>11J8839<br>prong) 02K6545<br>aBy II) 02K0516<br>05K8886<br>DEVA) 10L1228<br>W 76H0294<br>W 20L0241 | or NT manual LCD indicator panel Plug and Play 1.0a Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant Asset ID wireless RF technology (available only as an AAP option on the 770Z model 83U; Atmel® AT24RF08 EEPROM) International Warranty Service <sup>14</sup> IBM SystemXtra®.35 24 hour / 7 day <sup>30</sup> telephone, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support |

## ThinkPad Power Series 820 - withdrawn

| Power PC 6036 / 10033 MHz / 23 / 18 L Lache 26 AB/ with through / 2 way associative / 32 / 18 L Lache 26 AB/ with through / 2 way associative / 32 / 18 L Lache 26 AB/ with through / 2 way associative / 32 bit transfers   | IBM® ThinkPad®;  | ×820<br>PowerPC - TFT color - CE  | )-ROM   | Thi  | nkPad Power Series 820 strengths:  |                                      |                  |  |  |  |  |  |
|--|--|---|---|--|--|--------------------------------------|------------------|--|--|--|--|--|
| Venomobel Ch-RoM   St.25° Ch-RoM 2 violate speed / multi-session / XA / SCSI 2 / bootable   Venomobel Ch-Rom value   Ve   | Processor type<br>L2 cache<br>Processor /L2 upgrade<br>Removable diskette              | Power PC 603e / 100/33<br>256 KB / write through / 2<br>None<br>Internal or external 3.5" 1.<br>Can use diskette and CD-  | MHz / 32 KI<br>way associ<br>44 MB ◯ / €<br>ROM simul | iative / 32 bit<br>external disk<br>Itaneously as                | ette drive   | connector                            | ⇔ A<br>⇔ R       | NX or NT preloaded (or no operating sys)<br>Removable, double speed, 5.25" CD-ROM<br>Standard or optional Video Card   |  |  |  |  |
| Visilable date policy composition of the compositio | Removable CD-ROM   | 5.25" CD-ROM ○ / double   | e speed / m   |  |  |                                      |                  |  |  |  |  |  |
| Sisplay - diagonal size   Sisplay - diagonal size   | Type - model<br>Available date<br>Disk controller<br>Removable disk - size             | July 1995 or later (listed b<br>SCSI-2 Fast (for disk, CD   | -ROM) / ext   | - Ultimedia Services Ver 2.1.2<br>- Insignia SoftWindows Ver 1.1 |  |                                      |                  |  |  |  |  |  |
| Sephiss - wendor   Targh - archivation   T   | Display - type<br>Display - techology<br>Display - diagonal size                       | Black Matrix TFT - active   | matrix / u  | p to 65,536 s  | simultane  |                                      | :                | - Power, Performance, Potential multimedia presentation  |  |  |  |  |
| Figure   Surfame   Surfa   | Graphics - controller<br>Graphics - vendor<br>Graph - arch/data path<br>Video function | Western Digital / External PCI 2.0 / 32 bit / Simultan Some: Video acceleration   | SVGA to 10<br>eous LCD a<br>on / compo                | 024 x 768 w/<br>and CRT / 18<br>site in/out (                    | / 256 colo<br>30 degree<br>called G10  | rs (up to 75<br>tilt<br>) Graphics \ | vith             | backup, Pers Conferencing for AIX(some) - Black 3 button mouse  Microsoft Windows NT 3.51 Workstation - Essentials! (catalogs and support)   |  |  |  |  |
| Legistration (with battery)    Power of the  | Memory - std / max<br>Mem - sockets<br>Mem-options available                           | Standard: 1 or 2 SO DIMN  | /ls; availabl<br>O DIMMs                              | e: 2 or 1 SO   | DIMM so  | ckets (16 M<br>DIMN                  | (s) std)         | - Compuserve WinCIM Power Series Ed<br>- Introducing ThinkPad Power Series 820   |  |  |  |  |
| 11.7 x 8.3 x 2.2" (213 cubic inches) Black     | Keyboard / # of keys<br>Keyboard slope<br>Mouse/pointing<br>Ext keyboard support       | Palm rest space<br>TrackPoint III™  |   |  | entered b  | y holding F                          | I when           | backup  No preloaded operating system CD-ROMs included: Program Pack,  |  |  |  |  |
| Weight (with battery)   7.5 pounds (with CD-ROM)   Littable (pop-up) keyboardto access and remove CD-ROM, disketted rive, disk, battery, and memory   1.5 to 5 hours   1.5 to    | Dimensions<br>Color  |   | ic inches)  |  | ALL 820  | MODELS                               |                  | (when available)   |  |  |  |  |
| Sattery - 19pe Alzertery - 10pe Charge time - on / off 5 hours 2.0 hrs/1.5 hrs 3 MHz / 5 volt (SCSI, motion video) Shartery - 10pe (10 / 30 / 30 / 30 / 30 / 30 / 30 / 30 /  | Weight (with battery)  |   | 1)  |  |  |                                      |                  |  |  |  |  |  |
| SA (audio, PCMCIA, diskette, serial, parallel, 120-pin external expansion)   | Battery - type<br>Battery - life<br>Charge time - on / off                             | 2 to 5 hours  | elligent  |  |  |                                      | arive,           | (some models) provides:  |  |  |  |  |
| None (use PCMCIA) CD quality audio (44.1 kHz, 16 bit, stereo) / Crystal Semiconductor™ CS4231 Internal stereo speakers (.5 watt each) / dial volume control Internal audio (44.1 kHz, 16 bit, stereo) / Crystal Semiconductor™ CS4231 Internal microphone / IBM Personal Microphone (earphone and headset) Internal microphone / IBM Personal Microphone (earphone and headset) Internal microphone / IBM Personal Microphone (earphone and headset) Internal microphone / IBM Personal Microphone (earphone and headset) Internal microphone / IBM Personal Microphone (earphone and headset) Internal microphone / IBM Personal Microphone (earphone and headset) Internal microphone / IBM Personal Microphone (earphone and headset) Internal microphone / IBM Personal Microphone (earphone and headset) Internal microphone / IBM Personal Microphone (earphone and headset) Internal microphone / IBM Personal Microphone (earphone and headset) Internal microphone / IBM Personal Microphone (earphone and headset) Internal microphone / IBM Personal Microphone (earphone and headset) Internal microphone / IBM Personal Microphone (earphone and headset) Internal microphone / IBM Personal Microphone (earphone and headset) Internal microphone / IBM Personal Microphone (earphone and headset) Internal microphone / IBM Personal Microphone (earphone and headset) Internal microphone / IBM Personal   | Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports              | ISA (audio, PCMCIA, diskette, serial, parallel, 120-pin external expansion) VL-Bus 2.0 / 32 bit (graphics via PCI-to-VL Bridge) None None 2 Type I or 2 Type II or 1 Type III |   |  |  |                                      |                  | without frame rate degradation - Composite in (from camcorder, TV, VCR) for video capture (capture and digitize video), still image capture (capture and digitize still photo images),   |  |  |  |  |
| security loop (locking lever) / Keyboard lock / Locking device keyhole (Kensington™ MicroSaver™ cable lock) / PCMCIA card lock  Preinstalled software (Xensington™ MicroSaver™ cable lock) / PCMCIA card lock  Preinstalled software (Xensington™ MicroSaver™ cable lock) / PCMCIA card lock  Preinstalled software (Xensington™ MicroSaver™ cable lock) / PCMCIA card lock  Preinstalled software (Xensington™ MicroSaver™ cable lock) / PCMCIA card lock  Preinstalled software (Xensington™ MicroSaver™ cable lock) / PCMCIA card lock  Preinstalled software (Xensington™ MicroSaver™ cable lock) / PCMCIA card lock  Preinstalled software (Xensington™ MicroSaver™ cable lock) / PCMCIA card lock  Preinstalled software (Xensington™ MicroSaver™ cable lock) / PCMCIA card lock  810 MB SCSI-2 30H1388 810 MB SCSI-2 30H1369  * AC Adapter 50 watts 30H1403  * 820 Travel Quick Charger 30H1373  * 820 NiMH Battery Pack 30H1369  * 820 NiMH Battery Pack 30H1469  * 820 NiMH Battery  | Data/fax modem<br>Audio support  Audio in/out jacks<br>Infrared ports                  | None (use PCMCIA) CD quality audio (44.1 kl Internal stereo speakers ( Internal microphone / IBM Input jack / output jack   | Hz, 16 bit, s   | s <b>tereo)</b> / Crys<br>h) / dial volur                        | stal Semic   | onductor™                            | CS4231           | capturing it to disk). Uses NTSC or PAL  - Composite out (to camcorder, TV, VCR) in NTSC.  - Includes a cable with in/out RCA jacks to connect to the "integrated video  |  |  |  |  |
| Preinstalled software  | Security   | security loop (locking leve   | r) / Keyboa   | rd lock / Loc  | king devic   | e keyhole<br>k                       |                  | - Disks: 540 MB SCSI-2 30H1388   |  |  |  |  |
| Type-Model         Part         Mem         Disk         LCD         Graphics         Op Sys         Price         Avail         - 8 MB SO DIMM parity         92G7255           ≪ 6040-OCD30H1553         32 MB         1.2 GB         800x600         G10         None         ₹ 7,999         Aug 95         - 16 MB SO DIMM parity         92G7257           ≪ 6040-OCD30H1555         32 MB         1.2 GB         800x600         G10         NT         8,299         Aug 95           ≪ 6040-OED 30H1477         32 MB         810 MB         800x600         G10         None         7,549         Jul 95           ≪ 6040-07D 30H1478         32 MB         810 MB         800x600         G10         None         7,549         Jul 95           ≪ 6040-07D 30H1480         32 MB         810 MB         800x600         G10         NT         7,849         Jul 95           ≪ 6040-966 30H1482         16 MB         810 MB         800x600         G10         NT         7,849         Jul 95           ≪ 6040-966 30H1482         16 MB         810 MB         640x480         G10 w/ Motion         NT         6,749         Jul 95           ≪ 6040-977 30H1486         32 MB         810 MB         640x480         G10 w/ Motion         NT </td <td>Preinstalled software<br/>Warranty<br/>Warranty options</td> <td>3 year - ThinkPad EasySe</td> <td>erv</td> <td></td> <td>1.2 GB SCSI-2 30H1467<br/>- AC Adapter 50 watts 30H1403<br/>- 820 Travel Quick Charger 30H1373</td>  | Preinstalled software<br>Warranty<br>Warranty options                                  | 3 year - ThinkPad EasySe  | erv   |  | 1.2 GB SCSI-2 30H1467<br>- AC Adapter 50 watts 30H1403<br>- 820 Travel Quick Charger 30H1373 |                                      |                  |  |  |  |  |  |
| ×6040-06D 30H1477       32 MB 810 MB 800x600       G10 None 7,549 Jul 95       Jul 95       Battery life and other indicators Non-disruptive battery exchange Suspend mode US EPA Energy Star compliant Personalized nameplate in molded indention         ×6040-06D 30H1478 32 MB 810 MB ×6040-08D 30H1480 32 MB ×6040-966 30H1482       32 MB 810 MB 800x600 G10 NT 7,849 Jul 95       Jul 95         ×6040-966 30H1482 ×6040-986 30H1484 ×6040-977 30H1486 32 MB ×6040-977 30H1486 32 MB 810 MB 640x480 G10 w/Motion ×6040-977 30H1487 16 MB 540 MB 640x480 G10 w/Motion ×6040-026 30H1487 16 MB 540 MB 640x480 G10 NT 5,999 Jul 95       None 5,699 Jul 95       Jul 95         ×6040-026 30H1487 ×6040-027 30H1491 ×6040-017 30H149   | > 6040-OCD30H155<br>> 6040-ODD30H155   | 33 <b>32 MB</b> 1.2 GB 800<br>54 <b>32 MB</b> 1.2 GB 800  | x600 G1<br>x600 G1                                    | 0  | None<br>AIX  | \$ 7,999<br>8,799                    | Aug 95<br>Aug 95 | - IBM Personal Microphone 12H1504<br>- 8 MB SO DIMM parity 92G7255<br>- 16 MB SO DIMM parity 92G7257   |  |  |  |  |
| ≪6040-966       30H1482       16 MB       810 MB       640x480       G10 w/ Motion NT       6,749       Jul 95       Jul 95       Fersonalized nameplate in molded indention         ≪6040-986       30H1484       16 MB       810 MB       640x480       G10 w/ Motion NT       6,749       Jul 95       Jul 95       Compatible with PowerPC Reference       Platform™ Specifications (PReP) v1.1         ≪6040-006       30H1487       16 MB       540 MB       640x480       G10       None       5,699       Jul 95  | ≥ 6040-07D 30H147  | 78 32 MB 810 MB 800   | x600 G1   | 0  | AIX  | 8,399                                | Jul 95           | Battery life and other indicators Non-disruptive battery exchange Suspend mode US EPA Energy Star compliant Personalized nameplate in molded indention Compatible with PowerPC Reference Platform™ Specifications (PReP) v1.1 3 year warranty International Warranty Service 24 hour /7 day telephone, bulletin board, fax, and electronic support |  |  |  |  |
| → 6040-026       30H1489       16 MB       540 MB       640x480       G10       NT       5,999       Jul       95         → 6040-017       30H1491       32 MB       540 MB       640x480       G10       AIX       7,649       Jul       95         International Warranty Service       24 hour /7 day telephone, bulletin board, fax, and electronic support IBM warranty/service   | ≈6040-986 30H148   | 34 16 MB 810 MB 640   | x480 G1   | 0 w/ Motion  | NT   | 6,749                                | Jul 95           |  |  |  |  |  |
| II JU UQY IIIVIIGY DOCK QUALAITEE  | ≈6040-026 30H148   | 39 16 MB 540 MB 640   | x480 G1   | 0  | NT   | 5,999                                | Jul 95           |  |  |  |  |  |

## ThinkPad Power Series 850 - withdrawn

| IBM® ThinkPad®;  | ≈ 850 PowerPC - TFT color - CD-ROM - Video Card  |  | ThinkPad Power Series 850 strengths:  |
|--|--|--|---|
| Processor type<br>L2 cache<br>Processor /L2 upgrade<br>Removable diskette                              | Power PC 603e / 100/66 MHz / 32 KB L1 cache 256 KB / write back / direct mapped / 64 bit transfers None Internal or external 3.5" 1.44 MB O / external diskette drive connector  |  | <ul> <li>PowerPC performance</li> <li>Collaborative and conversational computing</li> <li>Removable, double speed, 5.25" CD-ROM</li> <li>Video card (acceleration, composite video)</li> <li>Optional top mounted video camera</li> </ul> |
| Removable CD-ROM   | 5.25" CD-ROM O / double speed / mult<br>The middle bay supports either the stand   |  |   |
| Type - model<br>Available date<br>Disk controller<br>Removable disk - size                             | 6042-xxx (listed below) July 1995 or later (listed below) SCSI-2 Fast (for disk, CD-ROM) / extern Choice: 540 MB 14 ms   | Ultimedia Services Ver 2.1.2     Insignia SoftWindows Ver 1.1     Speech Dictation     Personal Conferencing for AIX on CD   |   |
| Display - type<br>Display - techology<br>Display - diagonal size                                       | Choice: Color 640 x 480 or Color 800 x 600 (listed below)  Black Matrix TFT - active matrix / up to 65,536 simultaneous colors 10.4 inch / 100 to 1 contrast ratio for 640 x 480 / 110 to 1 for 800 x 600  |  | Essentials! (catalogs and support)     Power, Performance, Potential     multimedia presentation  |
| Graphics - controller<br>Graphics - vendor<br>Graph - arch/data path<br>Video function<br>Video camera | WD90C24A Rev C with 1 MB DRAM (c<br>Western Digital / External SVGA to 102-<br>PCI 2.0 / 32 bit / Simultaneous LCD and<br>Video acceleration / composite in/out<br>Option: CCD camera on top of LCD / NT   | - Black 3 button mouse  Video)  Microsoft Windows NT 3.51 Workstation - Essentials! (catalogs and support)   |   |
| Memory - std / max<br>Mem - sockets<br>Mem-options available   | 16 or 32 MB / 80 to 96 MB 70 ns / par<br>Standard: 2 SO DIMMs in 2 SO DIMMs<br>4, 8, 16, 32 MB IC DRAMs / must be ins  | - Introducing ThinkPad Power Series 850  |   |
| Keyboard / # of keys<br>Keyboard slope<br>Mouse/pointing<br>Ext keyboard support                       | Full size alp/num / 84 (no Fn key) Yes (legs pop out) / palm rest space TrackPoint III™ Yes (with option cable)  | - CD-ROMs included: Program Pack, NT backup  (3) No preloaded operating system - CD-ROMs included: Program Pack,  Personal Conferencia for ALX   |   |
| Dimensions   | 11.7 x 10.2 x 2.4" (286 cubic inches)  | ALL 850 MODELS   | Personal Conferencing for AIX  4 IBM OS/2 Warp Connect (when available)   |
| Color<br>Weight (with battery)   | Black<br>7.96 pounds (with CD-ROM)   | Liftable (pop-up) keyboard access and remove CD-R  |   |
| Battery - type<br>Battery - life<br>Charge time - on / off   | Nickel hydride (NiMH) / Intelligent<br>2 to 5 hours<br>2 hrs / 1.5 hrs   | diskette drive, disk, and mem (Battery removed from side   | - Acceptation of motion video with  |
| Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features               | PCI 2.0 / 32 bit / 33 MHz / 5 volt (SCSI ISA (audio, PCMCIA, diskette, serial, p VL-Bus 2.0 / 32 bit (graphics via PCI-to None None 2 Type I or 2 Type II or 1 Type III One 9 pin; 16550A / Enhanced Parallel Universal AC adapter, 50 watts, not wall | TV, VCR) for video capture (capture and digitize video), still image capture (capture and digitize still photo images), and overlay (view video on LCD without capturing it to disk). Uses NTSC or PAL |   |
| Data/fax modem Audio support  Audio in/out jacks Infrared ports  | None (use PCMCIA) / voice-over-data u<br>CD quality audio (44.1 kHz, 16 bit, ster<br>Internal stereo speakers (1 watt each) /<br>Internal microphone / IBM Personal Micr<br>Input jack / output jack / line in / line out<br>None                      | the screen to VCR  - ThinkPad 850 includes in/out RCA jacks on the back of the system  |   |
| Security   | Power-on password / Supervisor password / Hardware security loop (locking lever) / Keyboard lock / Locking device keyhole (Kensington™ MicroSaver™ cable lock) / PCMCIA card lock  |  | Options for ThinkPad Power Series 850:  - Disks: 540 MB SCSI-2 30H1388 810 MB SCSI-2 30H1392  |
| Preinstalled software<br>Warranty<br>Warranty options  | Choice: none or select a supported ope 3 year - ThinkPad EasyServ ThinkPad EasyServ Overnight Repair O   | 1.2 GB SCSI-2 30H1467<br>- AC Adapter 50 watts 30H1403<br>- Video Camera (NTSC) 85G2715<br>- 850 NiMH Battery Pack 85G2671   |   |
| Type-Model Part  | Mem Disk LCD Grap  | hics Op Sys Price Av   | - 850 Quick Charger 85G2662<br>rail - IBM Personal Microphone 12H1504   |
| ×6042-9CD 29H817<br>×6042-9DD 29H817<br>×6042-9ED 29H817   | 0 32 MB 1.2 GB 800x600 G10 w<br>1 32 MB 1.2 GB 800x600 G10 w   | /Motion None \$8,999 Aug<br>/Motion AIX 9,849 Aug  | - 4 MB IC DRAM 70ns 5v parity 92G7238<br>- 8 MB IC DRAM 70ns 5v parity 92G7241<br>- 16 MB IC DRAM 70ns 5v parity 92G7234<br>- 32 MB IC DRAM 70ns 5v parity 92G7235  |
| ≈6042-96D 29H819<br>≈6042-97D 29H819<br>≈6042-98D 29H819   | 7 32 MB 810 MB 800x600 G10 w   | / Motion         None         8,549         Jul           / Motion         AIX         9,399         Jul           / Motion         NT         8,849         Jul                                       |   |
| ×6042-967 29H817<br>×6042-977 29H817<br>×6042-987 29H817<br>×6042-006 20H818                           | 6 32 MB 810 MB 640x480 G10 w<br>8 32 MB 810 MB 640x480 G10 w   | / Motion         None         8,149         Jul           / Motion         AIX         8,999         Jul           / Motion         NT         8,449         Jul                                       | 95 US EPA Energy Star compliant Personalized nameplate in molded indention Compatible with PowerPC Reference Platform™ Specifications (PReP) v1.1   |
| ≈6042-906 29H818<br>≈6042-926 29H818   |  | / Motion None 6,669 Jul<br>/ Motion NT 6,999 Jul   | 90 3 year warranty  |
| 30 day money back guarantee  |  |  |   |

- MHz only measures microprocessor internal clock speed (or bus speed where indicated), not application performance. Other factors also affect application performance.
- Unless otherwise indicated, weight includes battery (and travel cover on ThinkPad 600) and excludes external diskette, CD, and/or DVD drives if applicable; actual weight may vary due to vendor components, manufacturing process and options.
- Current available memory options allow memory expansion up to 160MB using two 64MB SDRAM SO DIMMs in the two available slots for memory expansion. Memory expansion beyond 160MB will depend on the availability of memory options larger than 64MB built to IBM ThinkPad 600-770 specifications and such availability cannot be assured. EDO memory is not supported in ThinkPad 770E/ED models.
- GB means billion bytes when referring to hard drive capacity. Accessible capacity varies.
- Variable read rate. Actual playback speed will vary and is often less than the maximum possible.
- OVD drive required for ThinkPad 770 models (standard in some models). For Dolby Digital output, the 'DVD and Enhanced Video Adapter' (11J8957) must be installed (standard in some models) and the ThinkPad notebook connected to appropriate receiver and external speakers.

- ThinkPad notebooks are delivered with Windows 98 preloaded on the hard disk drive and a Windows 98 Recovery CD in the box. For customers who prefer Windows 95, a Windows 95 Recovery CD is also included for installation of Windows 95. Installation of Windows 95 results in removal of the Windows 98 preload.
- Upgrade on 9549-1AU (770) and -5AU (770ED) and 770X via Internet software download at no additional charge (Internet access fees excepted). Software upgrade via the Internet to the V.90 56K ITU standard beginning in 4Q98. Subject to change without notice. x2 modems are designed to be capable of receiving data at up to 56Kbps from an x2-compatible service provider, and transmitting data at up to 31.2Kbps. Public networks currently limit maximum download speeds to about 53Kbps. Actual speeds depend on many factors and are often less than the maximum possible.
- Software upgrade via the Internet to the V.90 56K ITU standard beginning 4Q98. Subject to change without notice.
- <sup>10</sup> Results obtained using BAPCo (Business Applications Performance Corporation) SYSmark Benchmark Test. Battery life and recharge times will vary based on many factors including screen brightness, applications, features, power management, battery conditioning and other customer preferences. Battery life may be less using Windows NT.

- <sup>11</sup>For terms and conditions or a copy of IBM's Statement of Limited Warranty, call 1 800 772-2227 in the U.S. and in Canada, call 1 800 426-2255.
- <sup>12</sup> IBM makes no warranties, expressed or implied regarding ThinkPad Proven products and services, including Year 2000 readiness and any implied warranties of merchantability and fitness for a particular purpose.
- <sup>13</sup> If you qualify and subject to condition.
- 14 Available in those countries where IBM and IBM resellers sell and service ThinkPad products. Registration required. Service level is based on the standard service for ThinkPad notebooks in that particular country.
- <sup>15</sup> Service options available based on specific ThinkPad notebook purchased; not all machine types and models are eligible, other limitations apply. Call 1800 426-3395 and request document #11008 or call your IBM authorized reseller for additional information. Service options must be purchased during the original product warranty period.
- 16 Some software may differ from its retail version (if any) and may not include user manuals or all program functionality. Warranty, service and support for non-IBM products are provided directly to you by third parties, not IBM. IBM makes no representations or warranties regarding non-IBM products. For non-IBM software applicable third-party software licenses may apply.

- <sup>17</sup> SelectaDock III, PC Card Enabler, and/ or PC Card Enabler with Advanced EtherJet Feature requires optional SelectaBase 600
- <sup>18</sup> SelectaDock III, PC Card Enabler, and/ or PC Card Enabler with Advanced EtherJet Feature requires optional SelectaBase 770.
- On ThinkPad 600, DVD drive supports standard CD-ROM and data-only DVD discs. DVD movie playback requires an optional third-party DVD PC Card adapter. DVD movie playback not supported with Windows NT.
- <sup>20</sup> Lotus SmartSuite may be preinstalled or provided on CD-ROM depending on the model. Diskettes and hard copy documentation are available at an extra charge.
- <sup>21</sup> The IBM ThinkPad 770X is designed to recognize up to 320MB of addressable memory with the new Mobile Pentium II processor at 300MHz. 64MB or 128MB of new, fast SDRAM SO DIMM system memory (RAM) is standard, depending on model. Current available memory options allow memory expansion up to 320MB using two 128MB SDRAM SO DIMMs in the two user accessible slots for memory expansion. On models with the 13.7-inch display, one of these slots is currently occupied with a 64MB SDRAM that provides the standard 128MB of system memory. This 64MB SDRAM would have to be removed and replaced with a 128MB SDRAM to achieve the 320MB maximum.
- <sup>22</sup> These 56K V.90 modems are designed to be capable of receiving data at up to 56Kbps from a compatible service provider, and transmitting data at up to 31.2Kbps. Public networks currently limit maximum download speeds to about 53Kbps. Actual speeds depend on many factors and are often less than the maximum possible.

- <sup>23</sup> x2 modems are designed to be capable of receiving data at up to 56Kbps from an x2-compatible service provider, and transmitting data at up to 31.2Kbps. Public networks currently limit maximum download speeds to about 53Kbps. Actual speeds depend on many factors and are often less than the maximum possible.
- <sup>24</sup> Designed to be capable of receiving at up to 56kbps with x2 or V.90 compatible phone line and server equipment, and transmitting at up to 31.2kbps. Public networks currently limit download speeds to about 53kbps. Actual speeds vary and are often less than the maximum.
- <sup>25</sup> For ThinkPad 600 or 600E, to achieve 288MB memory configuration on models with 64MB standard, you need to replace one 32MB SDRAM SO DIMM in the memory slot with 128MB SDRAM SO DIMM and add a second 128MB SDRAM SO DIMM.
- Multiple monitor support gives you the ability to expand your ThinkPad desktop area by attaching an external monitor or second display, allowing you to view two different applications running simultaneously. External device must support the same maximum resolution and refresh rate as that of the built-in notebook display. Available video memory may limit resolution and/ or color depth. Individual application support for this feature will vary.
- <sup>27</sup> Software-supported MPEG-2 playback is supported on ThinkPad 770X and 770Z models with Windows 98. Software-supported MPEG-2 playback and support for video capture on Windows NT models requires the optional 'DVD and Enhanced Video Adapter'.

- <sup>28</sup> For ThinkPad 770, IBM Wake on LAN support available via the optional SelectaBase 770 and PC Card Enabler with Advanced EtherJet Feature or SelectaDock III and a Wake on LAN network interface card. For ThinkPad 600, IBM Wake on LAN support available via the optional SelectaBase 600 and PC Card Enabler with Advanced EtherJet Feature or SelectaDock III and a Wake on LAN network interface card. For the ThinkPad 380Z, 390, 560Z, and 570, IBM Wake on LAN support available via the optional ThinkPad Port Replicator with Advanced EtherJet Feature.
- <sup>29</sup> S.M.A.R.T. is defined as Self-Monitoring, Analysis and Reporting Technology.
- <sup>30</sup> Response time varies. May exclude some holidays.
- <sup>31</sup>ThinkPad EasyServ: customer calls 1-800-772-2227, courier service picks up ThinkPad system at most North American locations, IBM repairs and mails back (no shipping charges, most shipping is overnight, five business day average turnaround). Rapid Depot Repair (12-hour turnaround at depot from the time the machine arrives at the depot; three business day average turnaround) is standard for ThinkPad 600 and 770 systems in warranty and included for all ThinkPad systems as part of any mobile warranty upgrade. sent. Service levels are response objectives and are not guaranteed.

- <sup>32</sup> Onsite service: for customers who have purchased on-site service options, LCD screen replacements and other selected repair replacements may be completed at a Depot repair center at IBM's discretion. National on-site coverage is available for selected ThinkPad products 8 a.m. to 5 p.m., customer's time zone, Monday through Friday, excluding holidays, next business day response. Not available in Alaska, Hawaii, Montana, and Wyoming (depot repair service only). Available in selected locations in other states.
- 33 Maximum memory varies depending on model, and may require replacement of standard memory with optional maximum memory module.
- <sup>34</sup> On ThinkPad 770X and 770Z, softwaresupported DVD movie playback is supported with an optional DVD drive (standard on some models) and Windows 98. All other 770 models require the optional DVD and Enhanced Video Adapter and either Windows 95 or Windows 98 for DVD movie playback.
- <sup>35</sup> SystemXtra is available to commercial and state and local government customers with valid credit. Program is subject to change without notice. Additional terms, conditions and limitations may apply. IBM Global Financing offerings are made available through IBM Credit Corporation in the US and other IBM subsidiaries and divisions worldwide

- <sup>36</sup> ThinkPad 390, 570 and 600: thickness may vary at certain points on the system.
- <sup>37</sup> These 56K V.90 modems are designed to be capable of receiving data at up to 56Kbps from a K56Flex or V.90 compatible service provider, and transmitting data at up to 31.2Kbps. Public networks currently limit maximum download speeds to about 53Kbps. Actual speeds depend on many factors and are often less than the maximum possible.
- 38 DVD movie playback not supported with Windows NT.
- 39 External device must support the same maximum resolution and refresh rate as that of the built-in notebook display.

These systems ship with an operating system.

As an ENERGY STAR Partner, the IBM Personal Systems Group has determined that this product meets the ENERGY STAR guidelines for energy efficiency. ENERGY STAR is a U.S. registered mark.

- <sup>40</sup> Delivered with Windows 98 SE preloaded on the hard disk drive and a Windows 98SE Recovery CD in the box. For customers who prefer Windows 95, a Windows 95 Recovery CD is also included for installation of Windows 95. Installation of Windows 95 results in removal of the Windows 98 preload.
- <sup>41</sup> For the models with Intel SpeedStop technology, denotes maximum performance mode; battery optimization mode is a lower MHz speed.



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