

# IBM® ThinkPad® T20 - withdrawn

Type-model	Processor	MHz	Mem	Screen	Disk	CD or DVD	Communican	Bay	Preload	Avail	
2647-21U	Pentium III	650	128MB	13.3" XGA	6.0GB <sup>8</sup>	24X-10X <sup>9</sup> CD	modem	98SE	May	00	<b>WINDOWS 98 PRELOAD<sup>14</sup></b> - Microsoft® Windows® 98 Second Edition <sup>13</sup> • ThinkPad Utilities • ThinkPad Assistant™ • ConfigSafe® • IBM Update Connector™,15 • Access ThinkPad II • PC-Doctor™ • Mediatics DVD Express (if DVD) - Lotus® SmartSuite® Millennium and Lotus Notes® Client 5.0 license ✧ Software Selections CD-ROM ✧ Recovery CD-ROM (Windows 98 SE) ✧ Recovery CD-ROM (Windows 95)
2647-24U	Pentium III	650	128MB	13.3" XGA	6.0GB	24X-10X CD	Intel® eth/mod	98SE	May	00	
2647-61U	Pentium III	650	128MB	13.3" XGA	6.0GB	24X-10X CD	modem	2000	May	00	
2647-64U	Pentium III	650	128MB	13.3" XGA	6.0GB	24X-10X CD	Intel eth/mod	2000	May	00	
2647-41U	Pentium III	700	128MB	14.1" XGA	12.0GB	6X-2.3X <sup>9</sup> DVD	modem	98SE	May	00	
2647-44U	Pentium III	700	128MB	14.1" XGA	12.0GB	6X-2.3X DVD	Intel eth/mod	98SE	May	00	
2647-81U	Pentium III	700	128MB	14.1" XGA	12.0GB	6X-2.3X DVD	modem	2000	May	00	
2647-84U	Pentium III	700	128MB	14.1" XGA	12.0GB	6X-2.3X DVD	Intel eth/mod	2000	May	00	
2647-52U	Pentium III	750	128MB	14.1" XGA	20.0GB	6X-2.3X DVD	modem	98SE	Jun	00	
2647-55U	Pentium III	750	128MB	14.1" XGA	20.0GB	6X-2.3X DVD	Intel eth/mod	98SE	Jun	00	
2647-92U	Pentium III	750	128MB	14.1" XGA	20.0GB	6X-2.3X DVD	modem	2000	Jun	00	
2647-95U	Pentium III	750	128MB	14.1" XGA	20.0GB	6X-2.3X DVD	Intel eth/mod	2000	Jun	00	
2647-L1U*	Pentium III	750	128MB	14.1" XGA	20.0GB	24X-10X CD	modem	Linux®	July	00	
2647-46U	Pentium III	700	128MB	14.1" XGA	12.0GB	6X-2.3X DVD	3Com® eth/mo	98SE	July	00	
2647-86U	Pentium III	700	128MB	14.1" XGA	12.0GB	6X-2.3X DVD	3Com eth/mod	2000	July	00	
<b>Processor</b> Intel® Mobile Pentium® III 650, 700, or 750MHz <sup>1,24</sup> with Intel SpeedStep™ technology and 100MHz system bus											
<b>L2 cache</b> 256KB / onboard (at processor speed) / ECC											
<b>Memory</b> 128MB standard / 512MB maximum <sup>7</sup> / SDRAM / non-parity / 100MHz / PC 100 / 3.3v / two 144-pin SO-DIMM sockets / 128MB in one socket / 1 socket available											
<b>Diskette drive</b> 3.5" 1.44MB (use in UltraBay 2000 or attach externally with optional cable via parallel port) <i>Some:</i> CD-ROM / 24X-10X <sup>9</sup> speed / bootable / removable from Ultrabay™ 2000 <i>Some:</i> DVD-ROM / 6X-2.3X <sup>9</sup> speed / bootable / removable from Ultrabay 2000											
<b>CD-ROM</b> Modular bay for interchangeable devices / on all A and T Series, ThinkPad Dock											
<b>DVD-ROM</b> 6GB <sup>8</sup> or 12GB or 20GB / upgradeable / S.M.A.R.T. / supports 2nd disk with optional HDD Adapter in Ultrabay 2000											
<b>UltraBay 2000</b>											
<b>Disk</b>											
<b>Display</b> 13.3" (337.8mm) XGA (1024x768) TFT color / Active Matrix 14.1" (358.1mm) XGA (1024x768) TFT color / Active Matrix											
<b>Graphics controller</b> S3® Savage IX8 / AGP 2X / 8MB SGRAM / 64-bit path to memory											
<b>Graphics - external</b> External SVGA to 1024x768x16.7 million colors at 85Hz and up to 1600x1200											
<b>Keyboard</b> ThinkPad Button / palm rest / TrackPoint®, Press-to-Select, Internet Scroll Bar											
<b>ThinkLight™</b> Illuminates the keyboard to improve visibility in low-light conditions											
<b>UltraPort™</b> UltraPort connector on top of display for options such as digital UltraPort Camera											
<b>Dimensions<sup>3</sup></b> 12" x 9.8" x 1.3"; 304mm x 250mm x 33.1mm											
<b>Approximate weight<sup>2</sup></b> With CD-ROM drive and battery: 5.0 lbs / with DVD drive and battery: 5.3 lb											
<b>Case material</b> Titanium Composite in the top and bottom covers for enhanced strength <sup>4</sup>											
<b>Battery - type</b> Lithium Ion 6-cell / intelligent / supports unique 2nd battery in Ultrabay 2000											
<b>Battery - life<sup>10</sup></b> 4 hours (3.75 hours for Pentium III 750MHz models)											
<b>Charge time<sup>10</sup> - on / off</b> 6.0 hrs / 2.5 hrs											
<b>Architecture</b> Intel 440BX AGPset / Intel PIIX4M (EIDE with Ultra DMA/33 or PIO Mode 4 support, ISA Bridge, USB) / TI® PCI1450 for CardBus / AGP 2X for graphics / PCI 2.1 / 32-bit / 33MHz (EIDE, CardBus, audio, USB, ext expansion) / PC97338 Super I/O / ISA (diskette, serial, parallel, infrared, ext exp)											
<b>Port replicator</b> ThinkPad Port Replicator											
<b>Docking Station</b> ThinkPad Dock (includes Ultrabay 2000 and half-size PCI slot)											
<b>PC Card Std slots</b> 2 Type I, 2 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / Zoomed Video											
<b>Ports</b> USB: One (Version 1.1) / Serial: one 9 pin / Parallel: one / keyboard / mouse / external DB-15 monitor / infrared (4Mbps) / RJ-11 (modem) / RJ-45 (ethernet)											
<b>Other features</b> 72 watt AC Adapter											
<b>Video out</b> S-video out / one industry standard connector / full MPEG-2 support / optional cable for S-video to composite conversion available											
<b>Communicatns Bay</b> Communications Bay with Mini PCI IIb slot / customer accessible											
<b>Modem</b> Some models: 56K <sup>6</sup> V.90 Mini PCI modem card / Lucent® chip set											
<b>Ethernet/modem</b> Some models: IBM 10/100 EtherJet™ Mini PCI Adapter with 56K Modem / Intel or 3Com ethernet chipset / Lucent modem chip set											
<b>Audio support</b> PCI audio / SoundBlaster Pro™ support / CS4624 with CS4297A AC97 codec / stereo speakers / 1 watt / volume up, down, mute buttons / internal microphone / input jack (3.5 mm) / output jack (3.5 mm) / line in jack											
<b>Security</b> Power-on password / hard disk password / supervisor password / security keyhole											
<b>Limited warranty<sup>12</sup></b> 3 year - carry-in or ThinkPad EasyServ™,19 depot repair service via courier											
<b>Service options</b> Optional service upgrades provide up to three years of onsite or depot repair service coverage from date of ThinkPad purchase (including warranty period)											
<b>Communication Bay</b> - IBM 10/100 EtherJet Mini PCI Adapter with 56K Modem by 3Com 09N9774 - IBM 10/100 EtherJet Mini PCI Adapter with 56K Modem 08K3124 <b>Ultrabay 2000 interchangeable accessories</b> - 6X-2X DVD Ultrabay 2000 Drive 05K9232 - SuperDisk (LS-120) Ultrabay 2000 Drive 05K9236 - 24X-10X CD-ROM Ultrabay 2000 Drive 05K9233 - 4X/4X/20X CD-Read/Write Ultrabay 2000 00N8252 - Zip 250MB Ultrabay 2000 Drive 00N8253 - Ultrabay 2000 Li-Ion battery 02K6646 - Travel Bezel for Ultrabay 2000 08K6070 <b>Wireless connectivity</b> - IBM 802.11b Wireless LAN PC Card 09N9863 - IBM 802.11b Wireless LAN Access Point 09N9865											
- 64MB SO DIMM 100MHz NP SDRAM 20L0254 - 128MB SO DIMM 100MHz NP SDRAM 20L0255 - 256MB SO DIMM 100MHz NP SDRAM 33L3069 - 6.0GB HDD 05K9237 - 12.0GB HDD 05K9238 - 18.0GB HDD 05K9239 - 20GB HDD 27L3439 - Second HDD Adapter for Ultrabay 2000 08K6068 - Portable Drive Bay 2000 19K4480 - ThinkPad Port Replicator (A and T Ser) 02K8667 - ThinkPad Dock (A and T Series) 263110U - ThinkPad T Series Battery 02K6649 - ThinkPad 72W AC Adapter 02K6699 - ThinkPad Monitor Stand 00N8222 - IBM UltraPort Camera II 04P6135 - RCA video conversion cable 27L0530 - Asset ID RF Adapter 08K6064 - T Series FDD External Cable Kit 27L0524											

<b>WINDOWS 2000 PRELOAD<sup>14</sup></b> - Windows 2000 Professional <sup>13</sup> • ThinkPad Utilities • ThinkPad Assistant • ConfigSafe • IBM Update Connector • Access ThinkPad II • PC-Doctor • Mediatics DVD Express (if DVD) - Lotus® SmartSuite® Millennium and Lotus Notes® Client 5.0 license ✧ Software Selections CD-ROM ✧ Recovery CD-ROM (Windows 2000) ✧ Recovery CD-ROM (Windows NT)
<b>LINUX PRELOAD<sup>14</sup></b> - Caldera® OpenLinux eDesktop™ 2.4 • Access ThinkPad II • StarOffice • Netscape Communicator ✧ OpenLinux eDesktop CD-ROM ✧ Recovery CD-ROM
The right bay (Ultrabay 2000) supports the following: • optional CD-ROM • optional DVD drive • optional Zip drive • optional second battery • optional SuperDisk (LS-120) drive • optional CD-RW • optional HDD adapter; for second disk • optional travel bezel • optional ThinkPad Proven™ solutions <sup>16</sup>
PC 99-compliant CIM and DMI 2.0 compliant Wired for Management 2.0 Local and remote asset management via the IBM Universal Manageability solutions IBM PC Lifecycle Care provides proactive life cycle management and transition planning tools ENERGY STAR compliant Setup Guide, User's Reference, Windows manual Asset ID™ wireless RF technology (via installing into disk cover) IBM is planning to announce Bluetooth™ wireless technology communications devices including a Bluetooth PC Card option and Bluetooth option for the ThinkPad UltraPort connector in the second half of 2000 Personalized Web-based support International Warranty Service <sup>17</sup> IBM SystemXtra® <sup>20</sup> 24 hour x 7 day <sup>18</sup> toll-free hardware support during the warranty

All trademarks are the property of their respective owners

\* Linux preloaded model does not support most options and has other limitations<sup>25</sup>

Models withdrawn from marketing effective February 2001

No warranties are expressed or implied in this summary

(T20) © IBM Corp. January 2001