

Type-model	Processor	GHz	Memory ¹¹	Screen	Disk	Optical	Mini PCI wireless/modem or Bluetooth™	CDC: modem or Bluetooth™	Security Chip	Ethernet planar	Preload	Workhorse or Global model	Avail date	
2672-42U	Pentium® III-M	1.20	256MB	12.1" XGA	40GB ⁸	None	Open	Modem		10/100	XP Pro	W G	Sep 2002	
2672-4BU	Pentium III-M	1.20	256MB	12.1" XGA	40GB	None	11b Wi-Fi ³² /modem	None	Yes	10/100	XP Pro	W G	Sep 2002	
2672-4HU	Pentium III-M	1.20	256MB	12.1" XGA	40GB	None	11b Wi-Fi/modem	Bluetooth	Yes	10/100	XP Pro	W	Sep 2002	
2672-41U	Pentium III-M	1.20	256MB	12.1" XGA	40GB	None	Open	Modem		10/100	2000		Sep 2002	
2672-4AU	Pentium III-M	1.20	256MB	12.1" XGA	40GB	None	11b Wi-Fi/modem	None	Yes	10/100	2000		Sep 2002	
2672-4GU	Pentium III-M	1.20	256MB	12.1" XGA	40GB	None	11b Wi-Fi/modem	Bluetooth	Yes	10/100	2000		Sep 2002	
2672-4XU	Pentium III-M	1.20	256MB	12.1" XGA	40GB	None	Cisco 802.11b	Modem	Yes	10/100	XP Pro	W	Sep 2002	
2672-12U	Pentium III-M	1.06	128MB	12.1" XGA	20GB	None	Open	Modem		10/100	XP Pro		Sep 2002	
2672-1BU	Pentium III-M	1.06	128MB	12.1" XGA	20GB	None	11b Wi-Fi/modem	None	Yes	10/100	XP Pro		Sep 2002	
2672-11U	Pentium III-M	1.06	128MB	12.1" XGA	20GB	None	Open	Modem		10/100	2000		Sep 2002	
2672-1AU	Pentium III-M	1.06	128MB	12.1" XGA	20GB	None	11b Wi-Fi/modem	None	Yes	10/100	2000		Sep 2002	
Positioning Processor	Extra-light, extra-small ultraportable notebook; one spindle Mobile Intel® Pentium® III Processor-M 1.06 or 1.20GHz with enhanced Intel SpeedStep™ technology ¹ and 133MHz frontside bus 512KB / on die (at processor speed) / ECC										SOFTWARE¹⁴			
L2 cache	None standard / use optional Ultrabay™-based (in opt X3) or USB-based diskette drive None standard / optional optical drive removable from optional X3 UltraBase Supports Ultrabay 2000 devices in optional X3 Ultrabase media slice or ThinkPad Dock 20 or 40GB⁸ / 4200 rpm / user upgradable / S.M.A.R.T. / ATA-100 / 9.5mm tall										Windows XP Pro models			
Memory											- Microsoft® Windows® XP Professional ²⁰ ◇ Disk-to-Disk Recovery (in hidden Service Partition)			
Diskette drive	None standard / use optional Ultrabay™-based (in opt X3) or USB-based diskette drive None standard / optional optical drive removable from optional X3 UltraBase Supports Ultrabay 2000 devices in optional X3 Ultrabase media slice or ThinkPad Dock 20 or 40GB⁸ / 4200 rpm / user upgradable / S.M.A.R.T. / ATA-100 / 9.5mm tall										Windows 2000 models			
CD or DVD-ROM											- Microsoft Windows 2000 Professional ²⁰ • ConfigSafe® ◇ Disk-to-Disk Recovery (in hidden Service Partition)			
Ultrabay™ 2000 Disk	None standard / use optional Ultrabay™-based (in opt X3) or USB-based diskette drive None standard / optional optical drive removable from optional X3 UltraBase Supports Ultrabay 2000 devices in optional X3 Ultrabase media slice or ThinkPad Dock 20 or 40GB⁸ / 4200 rpm / user upgradable / S.M.A.R.T. / ATA-100 / 9.5mm tall										INCLUDED SOFTWARE¹⁴ (all)			
Disk														
Display	12.1" (308mm) XGA (1024x768) TFT color / Active Matrix / 150 nits										Preloaded			
Graphics controller	Intel 830MG Integrated Direct AGP 3D / Unified Memory Architecture / in GMCH / controller dynamically allocates 8 to 32MB ¹¹ of system memory for graphics										• Access ThinkPad - Access Connections - Access Help - Access Support			
Graphics - external	External SVGA to various modes such as 16.7 million colors, 85Hz, or 1600x1200										• PC-Doctor™ • IBM Rapid Restore™ PC • ThinkPad Utilities • IBM Update Connector™ ¹⁵			
Keyboard	Standard-size ²⁶ keys / 97% size of T Series / 87-key / 18.5mm pitch; 2.5mm stroke / ThinkPad Button / palm rest / TrackPoint®, "Press-to-Select," Internet Scroll Bar ¹³										Downloadable			
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions										• IBM Data Transfer • IBM Director Agent • IBM Client Security Software (for security chip)			
Dimensions ³	10.7" x 8.8" x .98"-1.19"; 273mm x 223mm x 24.9-30.2mm										License (CD not included)			
Travel weight ²	with battery: 3.6 lbs to 3.7 lbs (1.62 to 1.66 kg)										- Lotus® SmartSuite® Millennium and Lotus Notes® Client 5.0			
Case material	Titanium Composite in the top cover / magnesium alloy bottom case										IBM ThinkPad X3 UltraBase™ Option			
Battery - type	Li-Ion 6-cell / intelligent (also supports opt Extended Life Battery and Ultrabay battery)										Right bay of X3 UltraBase supports most Ultrabay 2000 options:			
Battery - life ¹⁰	Non-wireless: 5.0 hrs; Intel wireless: 4.6 hrs; Cisco wireless: 4.5 hrs										• Optional battery, CD-ROM, CD-RW, DVD-ROM, Zip 250MB, Combo • Optional HDD adapter; for 2nd disk • Ultrabay Plus-compatible			
Architecture	Intel 830MG chipset / 82830MG Graphics Memory Controller Hub (GMCH-M) / 82801CAM ICH3-M I/O Controller Hub (ATA-100/66 EIDE, PCI bus, Low Pin Count (LPC) interface, USB (Bluetooth)) / Intel 82802AC Firmware Hub / PCI bus 2.2 32-bit, 33MHz (Ricoh® R5C522 CardBus/1394 combo controller, Mini PCI, ext expansion) / LPC bus 33MHz (PC87392 Super I/O for infrared [dock-based diskette, serial, parallel]) Optional X3 UltraBase media slice (see right side)										X3 UltraBase bottom contains:			
Media slice	Optional ThinkPad Dock (includes Ultrabay 2000 and half-size PCI slot)										• Bay for X30 battery (same as X30)			
Docking Station	Optional ThinkPad Dock (includes Ultrabay 2000 and half-size PCI slot)										Other features			
Compact Flash slot	Compact Flash slot / 1 CF+ Type II / supports optional IBM Microdrive™										• Second battery support (for Ultrabay battery or second system battery)			
PC Card Std slot	One Type II / CardBus 32-bit / PCMCIA 2.1										• Stereo speakers (1 watt)			
IEEE 1394	IEEE 1394 (FireWire) Port (4-pin)										• Security keyhole, UltraBase lock			
Ports	Two USB (version 1.1) / external DB-15 monitor / infrared (4Mbps) / RJ-11 (modem) / RJ-45 (ethernet) / parallel / IEEE 1394 (4-pin) / no serial, keyboard, or mouse ports										• Serial and parallel ports			
Mini PCI	One Mini PCI type III slot (Communications Bay) / customer upgradeable										• PS/2 mouse port			
11b Wi-Fi ³² /mod	<i>Some:</i> Mini PCI 11b Wi-Fi ³² wireless ⁴ , Intel PRO/Wireless LAN with Intersil® Prism 2.5 chipset, dual antennas in display cover, Wi-Fi-certified / 56K ⁶ V.90 (V.92-designed ²⁹) modem combo, Agere® chipset										• Analog DB-15 monitor port			
802.11b	<i>Some:</i> Mini PCI 802.11b wireless ⁴ , Cisco® Aironet® Wireless 802.11b, Prism 2.0 chipset, dual antennas in display cover, Wi-Fi-certified										• One USB port (Ver 1.1)			
Wireless upg	<i>Some:</i> PC Card or USB option; not via Mini PCI option as no antennas in display cover										• Ethernet port and modem port			
CDC	One Communications Daughter Card (CDC) socket / customer accessible										• Retractable feet; 1.41 lb; 638g			
Modem	<i>Some:</i> 56K ⁶ V.90 (V.92-designed ²⁹) modem in CDC / Agere® chipset										56 watt AC Adapter			
Bluetooth™	<i>Some:</i> Bluetooth wireless technology / in CDC / power button on display										PC 2001-compliant			
Ethernet	10/100 ethernet on systemboard / Intel 82562ET chipset (physical layer) / PXE										ACPI 1.0b and 2.0-compliant			
Audio support	SoundBlaster Pro™-compatible / AD1981A AC97 codec / mono speaker / 0.5 watt / volume up, down, mute buttons / internal microphone / mic in / line in / headphone out										CIM and DMI 2.0-compliant			
Security	Power-on password / dual hard disk password / supervisor pwd / security keyhole										Setup Guide, Service and Trouble-shooting Guide, Windows manual			
Security chip	<i>Some:</i> IBM Embedded Security Subsystem 2.0³³ / hardware key storage / multi-factor authentication / local file encryption / enhances VPN security ¹⁶ / TCG-compliant										IBM Rapid Restore PC available to protect software image and data			
Limited warranty ¹²	3 years/1 year battery - EasyServ™ ¹⁹ onsite pickup and delivery courier service										International Warranty Service ¹⁷			
64 MB SO DIMM	133MHz NP SDRAM		19K4650	IBM ThinkPad X3 UltraBase media slice					46P7912	56 watt AC Adapter				
128 MB SO DIMM	133MHz NP SDRAM		19K4652	ThinkPad Port Replicator					02K8667	PC 2001-compliant				
256 MB SO DIMM	133MHz NP SDRAM		19K4654	ThinkPad Dock					263120U	ACPI 1.0b and 2.0-compliant				
512 MB SO DIMM	133MHz NP SDRAM		19K4656	ThinkPad X30 Series Li-Ion Battery (6-cell)					02K7039	CIM and DMI 2.0-compliant				
USB Portable Diskette Drive			05K9276	ThinkPad X30 Series Extended Life Battery					02K7041	Setup Guide, Service and Trouble-shooting Guide, Windows manual				
Portable CD-RW Drive			22P5297	ThinkPad Ultrabattery 56W AC Adapter					02K6880	IBM Rapid Restore PC available to protect software image and data				
Portable Drive Bay 2000			19K4480	ThinkPad 72W AC Adapter					02K6699	International Warranty Service ¹⁷				
20GB Hard Disk Drive			08K9686	IBM 128MB USB 2.0 Memory Key					22P8998	24 hour x 7 day ¹⁸ toll-free hardware support during the warranty ¹²				
40GB HS Hard Disk 9.5mm (5400 rpm)			08K9816	ThinkPad Monitor Stand 2001					22P5265					
80GB Hard Disk 9.5mm (4200 rpm)			08K9869	IBM 11a/b/g Wireless CardBus Adapter					31P9101					
Ultrabay 2000 interchangeable accessories:				ServicePac ²² 2yr IOR 9x5 NBD					30L9190					
24X-10X ⁹ CD-ROM Ultrabay 2000 Drive			05K9233	ServicePac 3yr IOR 9x5 NBD					30L9197					
Ultralight 8X ⁹ Max DVD Ultrabay 2000			22P9102	ServicePac 4yr IOR 9x5 NBD					69P9198					
CD-RW/DVD Combo III Ultrabay 2000			22P6980	ServicePac 5yr IOR 9x5 NBD					69P9200					
Second HDD Adapter for Ultrabay 2000			08K6068	ServicePac 4yr P&L P/U Depot					69P9199					
				ServicePac 5yr P&L P/U Depot					69P9201					
				Other options at ibm.com/pc/us/accessories										

See footnotes for important warranty information
US models announced August 27, 2002
US models withdrawn effective April or October 2003