Type-model	Processor	MHz	Memory	Screen	Disk	Optical	Mini PCI Comm Bay	CDC ethernet	Security Chip	Preload	Small business software	Workhorse or Global model	Avail date
2662-9MU	Pentium® III	800	128MB	12.1" XGA	20GB[8]	None	Modem	10/100		Windows® XP Pro	Office XP SB		Oct 2001
2662-9NU	Pentium III	800	128MB	12.1" XGA	20GB	None	Modem	10/100		Windows 2000	Office XP SB		Oct 2001
2662-9BU	Pentium III	800	128MB	12.1" XGA	20GB	None	Modem	10/100		Windows XP Pro		W	Oct 2001
2662-9AU	Pentium III	800	128MB	12.1" XGA	20GB	None	Modem	10/100		Windows XP Pro		W	Oct 2001
2662-9EU	Pentium III	800	128MB	12.1" XGA	20GB	None	Wi-Fi[32]/mod	10/100		Windows XP Pro		W	Oct 2001
2662-9GU	Pentium III	800	128MB	12.1" XGA	20GB	None	Modem	10/100	Yes	Windows XP Pro		W	Oct 2001
2662-8BU	Pentium III	733	128MB	12.1" XGA	10GB	None	Modem	10/100		Windows XP Pro			Oct 2001
2662-85U	Pentium III	733	128MB	12.1" XGA	10GB	None	Modem	10/100		Windows 2000			Oct 2001
2662-9DU	Pentium III	800	128MB	12.1" XGA	20GB	None	Wi-Fi/mod	10/100		Windows 2000		W	Oct 2001
2662-97U	Pentium III	800	128MB	12.1" XGA	20GB	None	Modem	10/100	Yes	Windows 2000		W	Oct 2001
2662-95U	Pentium III	800	128MB	12.1" XGA	20GB	None	Modem	10/100		Windows 2000		W G	Oct 2001
2662-92U	Pentium III	800	128MB	12.1" XGA	20GB	None	Modem	10/100		Windows 2000		W	Oct 2001
2662-9PU*	Pentium III	800	256MB	12.1" XGA	20GB	None	Modem	10/100		Windows 2000		W G	Dec 2001

Positioning	*Extra-light, extra-small ultraportable notebook; one spindle*
Processor	**Mobile Intel® Pentium® III Processor-M 733 or 800MHz with** enhanced Intel SpeedStep™ technology[1] and 133MHz frontside bus
L2 cache	**512KB** / on die (at processor speed) / ECC
Memory	**128MB** or **256MB** std / 640MB max[7] / SDRAM / non-parity / 133MHz / PC 133 / 3.3v / one 144-pin SO-DIMM socket / 128MB integrated / 1 socket available (128MB models)
Diskette drive	None standard / 3.5" 1.44MB integrated in optional UltraBase™ X2 media slice
CD or DVD-ROM	None standard / optional optical drive removable from optional UltraBase X2
Ultrabay™ 2000	Supports Ultrabay 2000 devices in optional Ultrabase X2 media slice or ThinkPad Dock
Disk	**10GB**[8] **or 20GB** / 4200 rpm / user upgradeable / S.M.A.R.T. / ATA-100
Display	**12.1"** (308mm) **XGA (1024x768) TFT color** / Active Matrix / 150 nits
Graphics controller	**ATI™ Rage™ Mobility RADEON M6** / **AGP 4X** / **8MB** DDR-SDRAM / DDC2B
Graphics - external	External monitor to 1024x768 with 16.7 million colors at 100Hz and up to 1600x1200
Keyboard	Standard-size[26] keys / 97% size of T Series / 85-key / 18.5mm pitch; 2.5mm stoke / ThinkPad Button / palm rest / TrackPoint®, "Press-to-Select," Internet Scroll Bar
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
UltraPort™	UltraPort connector on top of display for options such as digital UltraPort Camera
Dimensions[3]	11" x 8.9" x .98"-1.2"; 279mm x 227mm x 25-30.2mm
Travel weight[2]	with battery: *8xx:* 3.4 lbs (1.54kg); *9Ex/9Dx:* 3.7 lbs (1.68kg); *Others:* 3.6 lbs (1.64kg)
Case material	**Titanium Composite** in the top cover for enhanced strength[4]
Battery - type	*8xx:* Lithium Ion 4-cell / intelligent *Others:* Lithium Ion 6-cell / intelligent
Battery - life[10]	*8xx:* 2.7 hrs; *802.11b models:* 4.4 hrs; *Modem only:* 5.0 hrs; *Others:* 4.6 hrs
Architecture	**Intel 830MP** chipset / 82830MP 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® R5C476II CardBus controller, Mini PCI, ext expansion) / LPC bus 33MHz (PC87391 Super I/O for infrared [dock-based diskette, serial, parallel])
Port replicator	Optional **ThinkPad Port Replicator**
Media slice	Optional **UltraBase X2 media slice** (see right side)
	Optional **ThinkPad Dock** (includes Ultrabay 2000 and half-size PCI slot)
Docking Station	**Compact Flash slot** / 1 CF+ Type II / supports optional IBM Microdrive™
Compact Flash slot	One Type II / CardBus 32-bit / PCMCIA 2.1 / no Zoomed Video
PC Card Std slot	Two USB (version 1.1) / external DB-15 monitor / infrared (4Mbps) / RJ-11 (modem) /
Ports	*some:* RJ-45 (ethernet) / no serial, parallel, keyboard, or mouse ports
Video out	None
Mini PCI	One Mini PCI IIIa slot (Communications Bay) / customer upgradeable
CDC	One Communications Daughter Card (CDC) socket / not customer accessible
Modem	*Some:* 56K[6] V.90 (V.92-designed[29]) Mini PCI modem card / Lucent® chip set
Wi-Fi[32]/modem	*Some:* Mini PCI Wi-Fi[32] wireless[4], Intersil® Prism 2.5 chipset, diversity antennas in display cover, Wi-Fi-certified / 56K[6] V.90[29] modem combo, Lucent® chipset
Ethernet	*Some:* 10/100 ethernet on Communications Daughter Card / Intel® 82562ET chipset
Audio support	SoundBlaster Pro™-compatible / CS4299 AC97 codec / mono speaker / 0.5 watt / volume up, down, mute buttons / internal microphone / input jack (3.5 mm) / output jack (3.5 mm) / line in jack
Security	Power-on password / dual hard disk password / supervisor pwrd / security keyhole
Security chip	*Some:* **IBM Embedded Security Subsystem**[33] / hardware key storage / multi-factor authentication / local file encryption / enhances VPN security[16]
Limited warranty[12]	**3 years**/1 year battery - EasyServ™[19] onsite pickup and delivery courier service
Service options[22]	Optional service upgrades provide up to three years of onsite or depot repair service coverage from date of ThinkPad purchase (including warranty period)

64 MB SO DIMM 133MHz NP SDRAM	19K4650	UltraBase X2 media slice	08N1180
128 MB SO DIMM 133MHz NP SDRAM	19K4652	ThinkPad Port Replicator	02K8667
256 MB SO DIMM 133MHz NP SDRAM	19K4654	ThinkPad Dock	263120U
512 MB SO DIMM 133MHz NP SDRAM	19K4656	ThinkPad X20 Series Li-Ion Battery (6-cell)	02K6651
USB Portable Diskette Drive	05K9276	Multiple Li-Ion/NiMH Battery Charger	02K6719
Portable DVD-ROM Drive	22P5282	ThinkPad Ultraportable 56W AC Adapter	02K6880
Portable Drive Bay 2000	19K4480	ThinkPad 72W AC Adapter	02K6699
		IBM USB Serial Parallel Adapter	22P5298
Ultrabay 2000 interchangeable accessories:		UltraPort Camera II	04P6135
SuperDisk (LS-240) UltraBay 2000	08K9616	UltraPort Compact Flash Reader	19K4510
Zip 250MB Ultrabay 2000 Drive	00N8253	10/100 Enet /56K Mini PCI (3Com)	09N9774
24X-10X CD-ROM Ultrabay 2000 Drive	05K9233	10/100 EtherJet™ CardBus Adapter	08K9687
8X/4X/24X Max CD-RW Ultrabay 2000	08K9569	15GB HDD	08K9588
8X-3X DVD Ultrabay 2000 Drive	27L3448	40GB HDD	08K9687
CD-RW/DVD Combo Ultrabay 2000	08K9572	48GB HDD (5400 rpm)[23]	08K9600
Travel Bezel for Ultrabay 2000	08K6070	ServicePac®,[22] 2yr IOR 9x5 NBD	30L9190
Second HDD Adapter for Ultrabay 2000	08K6068	ServicePac 3yr IOR 9x5 NBD	30L9197

SOFTWARE[14]

Windows XP Pro models
- Microsoft® Windows® XP Professional
◇ Disk-to-Disk Recovery (in hidden Service Partition)

Windows 2000 models
- Microsoft Windows 2000 Professional[13]
◇ Disk-to-Disk Recovery (in hidden Service Partition)

INCLUDED SOFTWARE[14] **(all)**

Preloaded
- Access ThinkPad
  - Access Connections
  - Access Help
- ConfigSafe®
- PC-Doctor™
- ThinkPad Utilities

Downloadable
- IBM Rapid Restore™ PC
- IBM Data Transfer
- Universal Manageability Services™
- IBM Update Connector™,[15]
- Client Security Software (for security chip)

License
- Lotus® SmartSuite® Millennium and Lotus Notes® Client 5.0

Office XP Small Business models only
- Microsoft Office XP Small Business[28] (Word, Excel, Outlook, Publisher, Small Business Tools)
◇ Office XP Small Business CD

ULTRABASE X2 MEDIA SLICE OPTION

Left bay of UltraBase X2 supports most Ultrabay 2000 options:
- Optional CD-ROM, CD-RW, DVD-ROM, LS-120/240 SuperDisk, Zip 250MB, CD-RW/DVD Combo
- Optional HDD adapter; for 2nd disk

UltraBase X2 right bay contains:
- Standard diskette drive (fixed)

Other features
- Stereo speakers (1 watt)
- Security keyhole, UltraBase lock
- Serial and parallel ports
- Keyboard/mouse port

56 watt AC Adapter
PC 2001-compliant
CIM and DMI 2.0-compliant
Wired for Management (WfM) 2.0
Local and remote asset manage ment via the IBM Universal Manageability solutions
Setup Guide, Service and Trouble- shooting Guide, Windows manual
IBM ImageUltra Services available
IBM Rapid Restore PC available to protect software image and data
Personalized Web-based support
International Warranty Service[17]
24 hour x 7 day[18] toll-free hardware support during the warranty

See footnotes for important warranty information; * Special ordering only
US models announced October 9 or November 27, 2001
US models withdrawn effective April 2002 or July 2002

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