IBM® ThinkPad® X20 - withdrawn

Type-model	Processor	MHz	Memory	Screen	Disk	DVD drive	Communications Bay	Preload	Available
2662-11U	Celeron™	500	64MB	12.1" SVGA	10GB[8]	opt via UltraBase™ X2 or Dock	modem	Windows 98 SE	Sept 00
2662-12U	Celeron	500	64MB	12.1" SVGA	10GB	option via UltraBase X2 or Dock	modem	Windows 2000	Sept 00
2662-31U	Pentium® III	600	128MB	12.1" XGA	20GB	option via UltraBase X2 or Dock	modem	Windows 98 SE	Sept 00
2662-32U	Pentium III	600	128MB	12.1" XGA	20GB	option via UltraBase X2 or Dock	modem	Windows 2000	Sept 00
2662-34U	Pentium III	600	128MB	12.1" XGA	20GB	option via UltraBase X2 or Dock	Intel® ethernet/modem	Windows 98 SE	Sept 00
2662-35U	Pentium III	600	128MB	12.1" XGA	20GB	option via UltraBase X2 or Dock	Intel ethernet/modem	Windows 2000	Sept 00
2662-36U	Pentium III	600	128MB	12.1" XGA	20GB	option via UltraBase X2 or Dock	3Com® ethernet/modm	Windows 98 SE	Sept 00
2662-37U	Pentium III	600	128MB	12.1" XGA	20GB	option via UltraBase X2 or Dock	3Com ethernet/modem	Windows 2000	Sept 00

Processor	**Intel® Mobile Celeron™ 500MHz**[1] **with 100MHz system bus or Intel Mobile Pentium® III 600MHz with Intel SpeedStep™ technology and 100MHz system bus**
L2 cache	*Celeron:* **128KB** / onboard (at processor speed) / ECC *Pentium III:* **256KB** / onboard (at processor speed) / ECC
Memory	**64MB** or **128MB** standard / 320MB maximum[7] / SDRAM / non-parity / 100MHz / PC 100 / 3.3v / one 144-pin SO-DIMM socket / 64MB on systemboard / 1 socket available on 64MB models; socket occupied by 64MB SO-DIMM in 128MB models
Diskette drive	None standard / 3.5" 1.44MB integrated in optional UltraBase X2 media slice
CD or DVD-ROM	None standard / optional CD or DVD-ROM removable from optional UltraBase X2
UltraBay™ 2000	Modular bay for interchangeable devices / support for UltraBay™ 2000 devices in optional UltraBase X2 media slice or ThinkPad Dock
Disk	**10GB**[8] **or 20GB** / user upgradeable / S.M.A.R.T. / ATA-66
Display	**12.1"** (308mm) **SVGA (800x600) TFT color** / Active Matrix / 125 nits or **12.1"** (308mm) **XGA (1024x768) TFT color** / Active Matrix / 150 nits
Graphics controller	**ATI™ Rage™ Mobility M / AGP 2X / 4MB** SGRAM / DDC2B
Graphics - external	External SVGA to 1024x768x16.7 million colors at 75Hz and up to 1600x1200
Keyboard	**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]	*11U/12U:* 11" x 8.9" x .94"-1.1"; 279mm x 227mm x 23.8-27.9mm *Others:* 11" x 8.9" x .98"-1.2"; 279mm x 227mm x 24.9-30.5mm
Travel weight[2]	*11U/12U:* 3.1 lbs *Others:* 3.5 lbs
Case material	**Titanium Composite** in the top cover for enhanced strength[4]
Battery - type	*11U/12U:* Lithium Ion 4-cell / intelligent *Others:* Lithium Ion 6-cell / intelligent
Battery - life[10]	*11U/12U:* 2.1 hrs *Others:* 3.8 hrs
Architecture	**Intel 440ZXM AGPset** / Intel PIIX4M (EIDE with Ultra DMA/33 or PIO Mode 4 support, ISA Bridge, USB) / Ricoh® R5C476II CardBus controller for PC Card and Compact Flash / 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)
Port replicator	Optional **ThinkPad Port Replicator**
Docking Station	Optional **ThinkPad Dock** (includes Ultrabay 2000 and half-size PCI slot)
Compact Flash slot	**Compact Flash slot** / 1 CF+ Type II / supports optional IBM Microdrive
PC Card Std slot	One Type II / CardBus 32-bit / PCMCIA 2.1 / no Zoomed Video
Ports	Two USB (Version 1.1) / external DB-15 monitor / RJ-11 (modem) / RJ-45 (ethernet) / no serial, parallel, keyboard, mouse or infrared ports
Video out	None
Communicatns Bay	Communications Bay with Mini PCI IIIb slot / customer accessible
Modem	*Some models:* 56K[6] V.90 Mini PCI modem card / Lucent® chip set
Ethernet/modem	*Some models:* IBM 10/100 Ethernet Mini PCI Adapter with 56K Modem (3Com ethernet chipset / 3Com modem chip set) *Some models:* IBM 10/100 EtherJet™ Mini PCI Adapter with 56K Modem / Intel ethernet chipset / Lucent modem chip set
Audio support	PCI audio / SoundBlaster Pro™ support / CS4281 with CS4297A 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
Limited warranty[12]	**3 year** - 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)

Communication Bay
- IBM 10/100 EtherJet Mini PCI Adapter with 56K Modem by 3Com — 09N9774
- IBM 10/100 EtherJet Mini PCI Adapter with 56K Modem — 19K5887

Ultrabay 2000 interchangeable accessories
- 8X[9]-3X DVD Ultrabay 2000 Drive — 27L3448
- 2X SuperDisk (LS-120) Ultrabay 2000 — 27L3451
- 24X-10X CD-ROM Ultrabay 2000 Drive — 05K9233
- 4X/4X/20X CD-Read/Write Ultrabay 2000 — 00N8252
- Zip 250MB Ultrabay 2000 Drive — 00N8253
- Portable Drive Bay 2000 — 19K4480

Wireless connectivity
- IBM High Rate Wireless LAN PC Card — 09N9863
- IBM High Rate Wireless LAN Access Point — 9085NA2
- Bluetooth™ PC Card (avail 4Q 2000) — 09N9812

- 64MB SO DIMM 100MHz NP SDRAM — 20L0254
- 128MB SO DIMM 100MHz NP SDRAM — 20L0255
- 256MB SO DIMM 100MHz NP SDRAM — 33L3069
- 10GB HDD — 08K9510
- 20GB HDD — 27L3439
- 32GB HDD[23] — 08K9511
- Second HDD Adapter for Ultrabay 2000 — 08K6068
- 1GB Microdrive — 07N5574
- UltraBase X2 media slice — 08N1180
- ThinkPad Port Replicator — 02K8667
- ThinkPad Dock — 263110U
- ThinkPad X Series Battery (6-cell) — 02K6651
- Li-Ion Multiple Battery Charger — 02K6643
- ThinkPad 72W AC Adapter — 02K6699
- ThinkPad Monitor Stand — 00N8222
- IBM UltraPort Camera II — 04P6135
- Multi-Port USB Hub — 00N8215
- USB Portable Diskette Drive — 05K9276

WINDOWS 98 PRELOAD[14]
- Microsoft® Windows® 98 Second Edition
- ThinkPad Utilities
- ThinkPad Assistant™
- Easy Keys Utility
- ConfigSafe®
- IBM Update Connector™,[15]
- Access ThinkPad II
- PC-Doctor™
- SystemSoft Card Wizard
- Lotus SmartSuite Millennium and Lotus Notes Client 5.0 license
- Software Selections CD-ROM
- Disk-to-Disk Recovery (in hidden Service Partition)

WINDOWS 2000 PRELOAD[14]
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ULTRABASE X2 MEDIA SLICE OPTION

Left bay of UltraBase X2 supports most Ultrabay 2000 options:
- optional CD-ROM or CD-RW
- optional DVD drive
- optional LS-120 SuperDisk drive
- optional Zip 250MB drive
- optional HDD adapter; for second disk
- optional ThinkPad Proven™ solutions[12]

UltraBase X2 right bay contains:
- standard diskette drive (not removable)

Other features
- stereo speakers (1 watt)
- security keyhole, UltraBase lock
- Serial and parallel ports
- Keyboard and mouse ports

72 watt AC Adapter
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[21] provides proactive life cycle management and transition planning tools
ENERGY STAR compliant
Setup Guide, User's Reference, Windows OS manual
Personalized Web-based support
International Warranty Service[17]
IBM SystemXtra®,[20]
24 hour x 7 day[18] toll-free hardware support during the warranty