IBM® **ThinkPad**®

Processor	**Intel**® **Pentium**® **233MHz**[1] **with MMX**™ **technology or Mobile Pentium II 233 or 266MHz** / 66MHz system bus
Processor features	No upgrade / processor, L2 cache, and MTXC (North Bridge) on Intel Mobile Module
L2 cache	**512KB** / sync pipelined burst (66MHz for Pentium / ECC and 150MHz for Pentium II)
Diskette drive	Internal 3.5" 1.44MB / removable from UltraBay FX / on right side / integrated with CD-ROM
External FDD port	None since diskette internal
CD-ROM	**CD-ROM / 24X-10X**[5] **speed /** ATAPI / bootable / removable from UltraBay FX / on right side / integrated with diskette drive
DVD-ROM	*Option:* Removable UltraBay FX option / 2X[5] integrated with diskette drive / not supported in Pentium systems (2xx)

All-in-one design: disk, diskette drive, and CD-ROM are all within the covers

Type - model	**2626-20U**	**2626-50U**	**2626-70U**
Processor	**Pentium 233MHz**	*Pentium II 233MHz*	*Pentium II 266MHz*
Disk - size / ms	**3.2GB**[4] / 13ms read / 14ms write / S.M.A.R.T.[29]	**4.3GB**[4] / 13ms read / 14ms write / S.M.A.R.T.[29]	
Disk controller	EIDE / PCI 2.1 / supports one internal disk / disk can be removed to upgrade by customer / supports two internal disks		
Avail / withdrawn date	November 1998 / March 1999		

Display - size and type	**12.1" TFT color / Active Matrix**	**14.1" TFT color / Active Matrix**
Display - techology	**SVGA** / 640x480 or 800x600 / 30ms / 150 nits	**XGA** / 640x480 or 800x600 or **1024x768** / 30ms / 120 nits
	16.7 million simultaneous colors / 100 to 1 contrast	**16.7 million simultaneous colors** / 150 to 1 contrast ratio

Graphics - controller	**NeoMagic**™ **MagicMedia256AV**™ (NM2200) / PCI 2.1 / 128-bit engine, 256-bit memory interface / DDC2B / Direct3D
	2.5MB / SDRAM (embedded) / **motion compensation** / color space conversion / interpolation in X and Y axis
Graphics - external	External SVGA to 1024x768 with 16.7 million colors at 85Hz
Graphics - features	Simultaneous LCD and CRT / 150 degree tilt / multiple-monitor support [26]

Memory - std / max	**32MB** / 256MB[33]	**64MB** / 256MB[33]
Memory - features	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 screw

The right bay (UltraBay FX) has a device lock on the bottom of the system and a bay LED which should be off to safely remove a device; it supports:
- standard diskette/CD-ROM (warm swap)
- optional second battery (hot swap); same battery as main one
- optional second disk (cold swap)
- optional ThinkPad Proven™ solutions[12]

Keyboard	Full-size 85-key (7 Fn key functions) / palm rest / keyboard slope with tilt feet
Pointing	TrackPoint® / Press-to-Select / Release-to-Select / dragging / click pace
	center button for scrolling (Internet Scroll Bar) or magnifying glass / spare caps

Dimensions	12.4 x 10.1 x 1.8" (225 cubic inches)	12.4 x 10.2 x 1.8" (227 cubic inches)
Weight[2]	7.5 lbs (3.4 kg) with battery and disk	7.7 lbs (3.5 kg) with battery and disk
Case material	PC/ABS plastic	PC/ABS plastic
Battery - type / life[10]	NiMH / intelligent / 3.25 hrs (1 battery) / left side	Li-Ion / intelligent / 4 hrs / left side
Charge time[10] - on / off	5 hrs on / 2.5 hrs off	6 hrs on / 3 hrs off

All models:
- C: drive is FAT16 of 2GB
- D: drive is FAT32 of remaining space

Architecture	**Intel Triton 430TX** for Pentium system / **Intel 440BX** PCIset for Pentium II
	Intel PIIX4E (EIDE, PCI to ISA bridge, USB)
	Texas Instruments® **TI1250A** PCMCIA controller / NS PC97338 (FDC, IR, I/O)
	PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, PCMCIA, USB, audio)
	ISA (audio, diskette, serial, parallel, infrared, modem)
Docking station	None
Port replicator	ThinkPad Port Replicator with Advanced EtherJet™ / ThinkPad 560 Port Replic
PC Card Std slots	2 Type I, 2 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / Zoomed video
USB / serial / parallel	**One USB** / one 9 pin; 16550A / one (IEEE P1284-A, EPP, ECC, bidirectional)
Other features	APM-aware BIOS / Universal AC adapter; barrel (56 watts)

WINDOWS 98 PRELOAD[16]

- Microsoft® Windows® 98
- Online User's Guide
- ThinkPad Configuration Program
- ThinkPad Utilities
- IBM Update Connector
- RingCentral Fax
- Ergonomics
- IBM Registration
- Puma IntelliSync 97 (infrared)
- IBM Global Network Dialer
- Netscape Navigator web browser
- Lotus® SmartSuite Millennium[20]
- PC Doctor
- ConfigSafe
- Norton AntiVirus (OEM Version)
- ThinkPad on the Net (TCC CD)
- ◇ Customization Center CD-ROM
- ◇ Lotus SmartSuite Millennium CD-ROM
- ◇ Product Recovery CD-ROM

Video in/out	None
MPEG decoder	None (software support for MPEG-1 in Windows 98)
Data/fax modem	**56Kbps**[24] / V.90 / integrated in system / Lucent 1644 / not voice-capable
Audio	16-bit SoundBlaster Pro™ compatible / NeoMagic NMA2 / ISA / full duplex
Speakers	Two Altec Lansing® stereo speakers on display (1 watt)
Audio features	Dial volume control (right side) / internal microphone
Audio in/out jacks	Microphone jack (stereo) / headphone jack (stereo) / line-in jack
Infrared ports	Infrared port on left side / IrDA 1.1 compatible / up to 4Mbps

Security	Power-on password / setup password / disk password /
	security keyhole / security screw for UltraBay FX

Limited warranty[11]	**1 year** - carry-in or ThinkPad EasyServ™[31] (door-to-door depot repair service)
Service options[15]	On-site[32], M-F, 8-5, next bus day (72 cities) / serv up to 5 yrs from purchase date

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.[29] compliant

Resolution	LCD TFT	External Monitor 60Hz	75Hz	85Hz
640x480	16M	16M	16M	16M
800x600	16M	16M	16M	16M
1024x768	16M	16M	16M	16M
1280x1024	--	256	--	--

The **ThinkPad Port Replicator with Advanced EtherJet Feature** provides cable management, additional I/O ports, CardBus PC Card slots, and 10/100 ethernet with Wake on LAN™[28]. Features:
- 10/100 ethernet (Intel 82558, Wake on LAN)
- Dual IBM lock slots to secure the ThinkPad, PC Cards, and Port Replicator
- USB, serial (RS-232, 9 pin), parallel (25 pin), external display, keyboard, mouse
- Audio in and out (3.5 mm)
- Joystick/MIDI port (15 pin) - not on system
- Power connector
- Two Type III PC Card slots (side by side)
  - PC Card Standard 95 compliant
  - CardBus compliant (PCI 2.1 / 32-bit)
  - PCMCIA 2.1 (no Zoomed Video)

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 EtherJet 05K4872
- 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 XJACK[24] 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™ solutions[12] (visit www.ibm.com/pc/us/thinkpad/proven)

Pressing F1 during startup brings up IBM BIOS Setup Utility

FEATURES

Wired for Management 1.1a compliant
DMI 2.0 compliant
PC 97 compliant
ACPI ready (APM enabled)
Wake on LAN™ **support**[28]
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
ENERGY STAR compliant
International Warranty Service[14]
IBM SystemXtra™[35]
24 hour / 7 day telephone[30]**, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support**