IBM ThinkPad® 240X - withdrawn

IBM® ThinkPad®

Processor	**Intel® Mobile Celeron™ 450MHz**[1] or **Intel Mobile Pentium® III 500MHz / 100MHz system bus**
L2 cache	*Celeron:* **128KB** / onboard (at processor speed); *Pentium III:* **256KB** / onboard (at processor speed)
Diskette drive	External 3.5" 1.44MB / connects to left side with FDD port / includes case and cable
CD-ROM	*Option:* External via USB port or via Portable Drive Bay 2000 and 24X-10X[5] CD-ROM Ultrabay 2000 Drive
LS-120 and CD-RW	*Option:* External via Portable Drive Bay 2000 and drive option / no support for DVD in the Portable Drive Bay

Type-model	**2609-51U**	**2609-52U**	**2609-61U**	**2609-62U**
Processor	**Celeron 450MHz**	**Celeron 450MHz**	**Pentium III 500MHz**	**Pentium III 500MHz**
Disk - size / ms	**6.0GB**[4] / 13ms read / Ultra DMA/33 or PIO Mode 4		**12.0GB** / 12ms read / ATA-66 or PIO4	
Preload (see side)	**Windows 98**[7] **SE**	**Windows 2000**	**Windows 98**[7] **SE**	**Windows 2000**
Available date	June 2000	June 2000	June 2000	June 2000

Display - size and type	**10.4" TFT color** (264.16mm) **/ Active Matrix**
Display - technology	**SVGA** / 800x600 / 15ms refresh (typical) / 50 to 110 nits
	16.7 million simultaneous colors / 150 to 1 contrast (typical)
Graphics - controller	**Silicon Motion® Lynx EM+ SM712G™** / DDC2B /
	2MB / SGRAM (embedded) / color space conversion / multiple monitor support[26] for Windows 98
Graphics - features	Simultaneous LCD and CRT[26] / 180 degree tilt / external SVGA to 1024x768 with 65,536 colors
Memory - std / max	**64MB** / 192MB[33]
Memory - features	SDRAM / non-parity / **100MHz** / 3.3 volt / 64-bit
	1 available socket for JEDEC 144-pin SO DIMM / std memory soldered to motherboard / socket accessed by removing three screws and keyboard
Disk controller / disk	EIDE / PCI 2.1 / supports one internal disk / customer can remove disk for upgrade (by removing three screws on base)
Keyboard	Keyboard palm rest / 95% size of current standard ThinkPad keyboards / 18mm key pitch
Pointing	TrackPoint® / Press-to-Select / Release-to-Select / dragging / click pace / sensitivity / spare caps
Dimensions	10.2 x 8.0 x 1.05" (86 cubic inches) / 260mm x 202mm x 26.6mm
Weight[2]	*51U/52U:* approximately 2.98 lbs (1.35 kg) with battery and disk
	61U/62U: approximately 3.28 lbs (1.49 kg) with battery and disk
Case material	IBM ThinkPad UltraCarbon™ casing / Top: carbon-fiber reinforced plastic; Bottom: glass-fiber reinforced plastic
Battery - type	*51U/52U:* Li-Ion (3 cell); *61U/62U:* Li-Ion (6 cell); *All:* intelligent / left side
Battery - life[10]	*51U/52U:* 2.1 hrs *61U/62U:* 4.2 hrs
	51U/52U: Optional 6 cell battery for 4.2 hrs
Charge time[10]	3.5 hrs on / 3.0 hrs off
Architecture	**Intel 440MX PCIset (82443MX)** / combines Host Bridge and PIIX4 in single chip / TI1211 PCMCIA controller / NS PC97338 (FDC, IR, I/O) / PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, PCMCIA, USB, audio, modem) ISA (diskette, serial, parallel, infrared)
Docking station	None
Port replicator	None (all standard ports already on back of system)
PC Card Std slots	1 Type I or 1 Type II / CardBus 32-bit / PCMCIA 2.1 / no Zoomed Video support
USB / serial / parallel	One USB / one 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)
Other features	72 watt AC adapter
Video (TV) out	None
Data/fax modem	**56K**[37] V.90 / Mini PCI Type IIIb / Lucent 1646
Audio	16-bit SoundBlaster Pro™ support / CS4281 PCI audio / CS4297A AC97 codec
Speaker	One internal speaker (.5 watt)
Audio features	Internal microphone / Fn+Insert and Fn+Delete volume control with mute
Audio in/out jacks	Microphone jack (mono) / headphone jack (stereo) / line-in jack (stereo)
Infrared ports	Infrared port on right side / IrDA 1.1 compatible / up to 4Mbps
Security	Power-on password / setup password / disk password / security keyhole
Limited warranty[11]	**1 year** - carry-in or ThinkPad EasyServ™[31] (door-to-door depot repair service)
Service options[15]	Service upgrades available based on specific ThinkPad purchased

WINDOWS 98 PRELOAD[16]

- Microsoft® Windows® 98 Second Edition
- Online User's Guide
- ThinkPad Configuration Program
- ThinkPad Utilities
- Access ThinkPad
- IBM Update Connector
- PC-Doctor
- ConfigSafe®
- Norton AntiVirus™ (OEM Version)
- Universal Manageability Services (web)
✧ Software Selections CD
✧ Lotus® SmartSuite® Millennium CD
✧ Recovery CD-ROM (Windows 98)
✧ Recovery CD-ROM (Windows 95)[7]

WINDOWS 2000 PRELOAD[16]

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- Universal Manageability Services (web)
✧ Software Selections CD
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✧ Recovery CD-ROM (Windows 2000)
✧ Recovery CD-ROM (Windows NT)[40]

Color depth	LCD	External Monitor			
Resolution	TFT	60Hz	70Hz	75Hz	85Hz
640x480	16M	16M	--	16M	16M
800x600	16M	16M	--	16M	16M
1024x768*	64K	64K	64K	64K	--
1280x1024	--	--	--	--	--

* Virtual screen mode on 10.4" LCD

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

Pressing F1 during startup brings up IBM BIOS Setup Utility

Disks are S.M.A.R.T.[29] compliant

- ThinkPad Proven™ solutions[12] (visit www.ibm.com/pc/us/thinkpad/proven)

OPTIONS

- 32MB SO DIMM 100MHz NP SDRAM	20L0253
- 64MB SO DIMM 100MHz NP SDRAM	20L0254
- 128M SO DIMM 100MHz NP SDRAM	20L0255
- 12GB disk, 12ms read, ATA-66	05K9245
- High capacity 6-cell Li-Ion Battery	02K6580
- Ultraslim 72 watt AC Adapter	02K6699
- DC Auto Adapter	02K3381
- V.90 56K Intern Modem with GSM	02K4280
- 10/100 EtherJet™ CardBus Adapter	34L5301
- IBM 16/4 Token-Ring CardBus Adap	34L4801
- Smart Card Security Kit	33L5075
- IBM Portable Drive Bay 2000	19K4480
- IBM MultiPort USB Hub	00N8215
- IBM 340MB microdrive	00N8073
- IBM USB Portable CD-ROM Drive	33L5151
- IBM USB Mobile Mouse	33L3243
- IBM USB Numeric Keypad	33L3225

FEATURES

Toll-free hardware support during the warranty period
Personalized web-based support
Wired for Management 1.1a compliant
DMI 2.0-compliant
PC 99-compliant
ACPI ready (APM enabled)
Setup Guide, User's Reference, Windows OS manual, and Quick Reference Card
System Status Indicators
Reset switch on bottom
Plug and Play 1.0a
Standby, suspend, redisafe, and hibernation modes
ENERGY STAR compliant
International Warranty Service[14]
IBM SystemXtra®, [35]
24 hour / 7 day[30] telephone, fax, electronic, and Internet (www.ibm.com/pc/us) support