

IBM ThinkPad® 380XD - withdrawn

IBM® ThinkPad®

Processor type	Intel® Pentium® MMX™ 233/66 or 266/66MHz ¹ / 64-bit to L2 cache and memory			All-in-one integration means the disk, diskette drive, and CD-ROM are all within the covers of the notebook; removable disk; keyboard does not lift up
Processor features	No upgrade / processor, L2 cache, and MTXC (North Bridge) on Intel Mobile Module			
L2 cache	512KB / write-through / direct mapped / 8.5ns data; 15ns tag / sync pipelined burst			
Diskette drive	Internal 3.5" 1.44MB / use simultaneously with CD-ROM / on right side			
External FDD port	None since diskette internal			
CD-ROM	5.25" CD-ROM / 24X-10X ⁵ speed / CAV / multi-session / XA / ATAPI / bootable / not removable / on right side			
Type - model	2635-8AU	2635-BAU (Auth Assb Prog)	2635-9AU	2635-AAU
Processor	233/66MHz	233/66MHz	233/66MHz	266/66MHz
Preload (see side)	Windows 95 OSR2	None	Windows 95 OSR2	Windows 95 OSR2
Avail / withdrawn date	March 1998 / September 1998	March 1998 / Sept 1998	March 1998 / Sept 1998	March 1998 / Sept 1998
Disk - size / ms	3.2GB ⁴ / 13ms / PIO Mode 4	Blank	4.0GB / 13ms / PIO 4	5.1GB / 12ms / PIO Mode 4
Disk controller	EIDE / PCI 2.1 / supports one internal disk / no DMA or busmaster support / disk can be removed and upgraded by customer			
Display - size and type	12.1 inch HPA color	12.1 inch TFT color		
Display - technology	SVGA / 640x480 or 800x600 Dual scan / HPA / 150ms / 100 nits 16 mil sim colors / 50 to 1 contrast	SVGA / 640x480 or 800x600 Active Matrix TFT / 75ms / 100 nits 16.7 million simultaneous colors / 100 to 1 contrast ratio ratio		
Graphics - controller	NeoMagic™ MagicGraph128XD™ (NM2160B) / 128-bit SVGA accelerator / Zoomed Video support / DDC1 and DDC2B 2MB / iDRAM™ (embedded) / color space conversion and interpolation in X and Y axis / support for DCI, DirectDraw			
Graph - arch/data path	PCI 2.1 / 32-bit / external SVGA to 1024x768 with 65,536 colors			
Graphics - features	Simultaneous LCD and CRT / 150 degree tilt			
Memory - std / max	32MB / 96MB / non-parity / 3.3 volt / EDO / 60ns			
Memory - features	1 socket for one JEDEC 144 pin EDO SO DIMM of 8, 16, 32, or 64MB / socket accessed from bottom via screw			
Keyboard / # of keys	Full size alp/num / 85 (6 Fn key functions) / keyboard slope with Port Replicator			
External keyboard	External keyboard support with option cable 06G8619 or Port Replicator			
Pointing / palm rest	TrackPoint® III / no drag lock keys			
Dimensions / weight ²	11.8 x 9.2 x 2.4" (260 cubic inches) / 7.1 pounds (3.2 kg)			
Battery - type / life ¹⁰	Li-Ion / non-intelligent / 8AU: 3.5 hrs; 9AU: 4.5 hrs; AAU: 4.0 hrs			
Charge time - on / off	4.2 to 12 hrs / 3.3 hrs			
Architecture	PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, PCMCIA, USB) ISA (audio, diskette, serial, parallel, infrared) / NS PC97338 (FDC, IR, I/O) Intel Triton 430TX PCIsset / Intel PIIX4 (EIDE, USB, PCI to ISA bridge) Texas Instruments® T11250A PCMCIA controller			
Docking station	None			
Port replicator	① ThinkPad Enhanced Port Replicator, ② ThinkPad 560 Port Replicator, ③ ThinkPad 380/385 Port Replicator			
PCMCIA™ slots	2 Type I or 2 Type II or 1 Type III / CardBus 32-bit PCI / Zoomed video PCMCIA 2.1 compatible / PC Card Standard 95			
USB / serial / parallel	One USB / one 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)			
Other features	APM-aware BIOS / Universal AC adapter; barrel (56 watts)			
Video in/out	None			
MPEG decoder	None (software support for MPEG-1 in Windows 95)			
Data/fax modem	None			
Audio	16-bit / CS4237B / SRS 3D audio / FM synthesis			
Speakers	Two front stereo speakers (.5 watt) / one subwoofer above keyboard (1 watt)			
Audio features	Dial volume control (left side) / internal microphone / full duplex spk/mic			
Audio in/out jacks	Input/microphone jack (stereo) / output jack (stereo) / no joystick port			
Infrared ports	Infrared port on left side / IrDA 1.1 compatible / up to 4Mbps			
Security	Power-on password / supervisor password / hard disk password / security keyhole / personalization screen at startup			
Preinstalled software	Microsoft® Windows® 95 OSR2 wth applications (listed on right)			
Limited warranty ¹¹	1 year - ThinkPad EasyServ (door-to-door depot repair service) or carry-in			
Service options ¹⁵	On-site, M-F, 8-5, next bus day (71 cities) / warranty extension to 3 or 5 years			
The ThinkPad Enhanced Port Replicator provide cable management, additional I/O ports, and CardBus PC Card slots. Features include:		OPTIONS		
- Dual IBM lock slots to secure the ThinkPad, PC Cards, and Port Replicator		- 8MB SO DIMM 3.3v NP EDO 64-bit 92G7340		
- Port Replicator connectors:		- 16MB SO DIMM 3.3v NP EDO 64-bit 92G7341		
- USB, serial (9 pin), parallel (25 pin)		- 16MB SO DIMM NP EDO 64-bit (new) 01K1124		
- External display (15 pin)		- 32MB SO DIMM 3.3v NP EDO 64-bit 92G7342		
- Keyboard and mouse		- 64MB SO DIMM 3.3v NP EDO 64-bit 76H0268		
- Audio in (3.5 mm) and audio out (3.5 mm)		- ThinkPad 560 Port Replicator 46H4209		
- Joystick/MIDI port (15 pin) - not on system		- ThinkPad 380/385 Port Replicator 84G1316		
- External diskette drive conntr - not on system		- ThinkPad Enhanced Port Replicator 11J8997		
- Power connector (requires AC power; can not run on battery)		- ThinkPad 380/385 Li-Ion Battery (old) 73H9793		
Features of the PC Card slots:		- ThinkPad 380/385 Li-Ion Battery 02K6507		
- Two Type III slots (side by side)		- 56 watt AC Adapter (barrel; 3 prong) 83H6739		
- PC Card Standard 95 compliant		- 4.0GB disk, 13ms 05K8871		
- CardBus compliant (PCI 2.1 / 32-bit)		- 6.4GB disk, 13ms, Ultra DMA/33 02K0518		
- 8/16-bit PC Card support (no Zoomed Video)		- 33.6Kbps Modem with XJACK 55H6759		
- Texas Instruments PCI1131 controller		- 56K PC Card Modem Kit 04K0052		
- Requires no PCI-to-PCI bridge		- 56K PC Card Modem/Cellular cpble 02K4196		
		- 10/100 Ethernet CardBus PC Card 08L3147		
		Easy-Setup is entered by holding F1 when turning on.		
WINDOWS 95 PRELOAD ¹⁶				
- Microsoft Windows 95 OSR2.1 (FAT16)				
• Internet Explorer 4.0				
• Online User's Guide				
• ThinkPad Configuration Program				
• SystemSoft CardWorks™				
• Diskette Factory and Utilities				
• Artisoft ConfigSafe				
• NetFinity for Windows 95				
• Puma TranXit™				
• IBM Anti-Virus				
• IBM Global Network (IGN Dialer)				
• Netscape Navigator browser				
• Intel LANDesk Client Manager (via web)				
• IntelliQuest Registration Mailer				
• Ergonomics				
• PointCast (with ThinkPad channel)				
• Marketing Demo				
• Tivoli Lightweight Client Framework				
• ThinkPad on the Net				
• Personalization Editor				
• ThinkPad Customization				
• Lotus SmartSuite 97				
◇ Recovery CD-ROM with boot diskette				
◇ Windows 95 CD-ROM (no installation)				
3.2GB = DMA Mode 2 or PIO Mode 4				
4.0GB = DMA Mode 2 or PIO Mode 4				
5.1GB = Ultra DMA/33 or PIO Mode 4				
All disks are SMART compliant				
Fn + F2 = Battery guage				
Fn + F3 = Standby				
Fn + F4 = Suspend				
Fn + F7 = LCD/CRT/Simultaneous				
Fn + F11 = Power mgmt				
Fn + F12 = Hibernation				
FEATURES				
Wired for Management 1.1a				
DMI 2.0 compliant				
PC 97 compliant				
Setup Guide and User's Guide				
System Status Indicators				
Plug and Play 1.0a				
Standby, suspend, safe suspend (RediSafe), and hibernation modes				
ENERGY STAR compliant				
International Warranty Service ¹⁴				
IBM SystemXtra™				
24 hour / 7 day telephone ³⁰ , bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support				
IBM and dealer warranty/service				

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad in most North American locations, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround)

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IBM ThinkPad® 380XD (Pentium II) - withdrawn

IBM® ThinkPad®

Processor type	Intel® Mobile Pentium® II 233/66 or 266/66MHz ¹ / 64-bit to L2 cache and memory		All-in-one integration means the disk, diskette drive, and CD-ROM are all within the covers of the notebook; removable disk; keyboard does not lift up
Processor features	No upgrade / processor, L2 cache, and memory cntr (North Bridge) on Mobile Module		
L2 cache	512KB / write-back / 4 way set associative / sync pipelined burst / ECC / 1/2 speed		
Diskette drive	Internal 3.5" 1.44MB / use simultaneously with CD-ROM / on right side		
External FDD port	None since diskette internal		
CD-ROM	5.25" CD-ROM / 24X-10X speed / CAV / multi-session / XA / ATAPI / bootable / not removable / on right side		
Type - model	2635-EAU	2635-FAU	
Processor	233/66MHz	266/66MHz	
Preload (see side)	Windows 95	Windows 95	
Avail / withdrawn date	May 1998 / December 1998	May 1998 / December 1998	
Disk - size / ms	4.0GB ⁴ / 13ms / PIO Mode 4	5.1GB / 12ms / PIO Mode 4	
Disk controller	EIDE / PCI 2.1 / supports one internal disk / no DMA or busmaster support / disk can be removed and upgraded by customer		
Display - size and type	12.1 inch HPA color	12.1 inch TFT color	
Display - technology	SVGA / 640 x 480 or 800 x 600 Dual scan / HPA / 150ms / 100 nits 16 mil sim colors / 50 to 1 contrast	SVGA / 640 x 480 or 800 x 600 Active Matrix TFT / 75ms / 100 nits 16.7 million simultaneous colors / 100 to 1 contrast ratio ratio	
Graphics - controller	NeoMagic™ MagicGraph128XD™ (NM2160B) / 128-bit SVGA accelerator / Zoomed Video support / DDC1 and DDC2B		
Graph - arch/data path	2MB / iDRAM™ (embedded) / color space conversion and interpolation in X and Y axis / support for DCI, DirectDraw		
Graphics - features	PCI 2.1 / 32-bit / external SVGA to 1024 x 768 with 65,536 colors Simultaneous LCD and CRT / 150 degree tilt		
Memory - std / max	32MB / 96MB / non-parity / 3.3 volt / EDO / 60ns		
Memory - features	1 socket for one JEDEC 144 pin EDO SO DIMM of 8, 16, 32, or 64MB / socket accessed from bottom via screw		
Keyboard / # of keys	Full size alp/num / 85 (6 Fn key functions) / keyboard slope with Port Replicator		WINDOWS 95 PRELOAD ¹⁶ - Microsoft Windows 95 OSR2.1 (FAT16) • Internet Explorer 4.0 • Online User's Guide • ThinkPad Configuration Program • SystemSoft CardWorks™ • Diskette Factory and Utilities • ConfigSafe • NetFinity for Windows 95 • Puma TranXit™ • IBM Anti-Virus • IBM Global Network (IGN Dialer) • Netscape Navigator browser • Intel LANDesk Client Manager (via web) • IntelliQuest Registration Mailer • Ergonomics • PointCast (with ThinkPad channel) • Marketing Demo • Tivoli Lightweight Client Framework • ThinkPad on the Net • Personalization Editor • ThinkPad Customization • Lotus® SmartSuite 97 ◇ Recovery CD-ROM with boot diskette ◇ Windows 95 CD-ROM (no installation) 4.0GB = DMA Mode 2 or PIO Mode 4 5.1GB = Ultra DMA/33 or PIO Mode 4 6.4GB = Ultra DMA/33 or PIO Mode 4 All disks are SMART compliant Fn + F2 = Battery guage Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F11 = Power mgmt Fn + F12 = Hibernation FEATURES DMI 2.0 compliant PC 97 compliant Wired for Management 1.1a Setup Guide, User's Guide, Options by IBM Catalog, Introducing Windows 95 book System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe), and hibernation modes ENERGY STAR compliant International Warranty Service ¹⁴ IBM SystemXtra™ Program 24 hour / 7 day telephone ³⁰ , bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support
External keyboard	External keyboard support with option cable 06G8619 or Port Replicator		
Pointing / palm rest	TrackPoint® III / no drag lock keys		
Dimensions / weight ²	11.8 x 9.2 x 2.4" (260 cubic inches) / 7.2 pounds (3.3 kg)		
Battery - type / life ¹⁰	Li-Ion / non-intelligent / EAU: 3.1 hrs; FAU: 4.0 hrs		
Charge time - on / off	4.2 to 12 hrs / 3.3 hrs		
Architecture	PCI 2.1 / 32-bit / 33Mhz (EIDE, graphics, PCMCIA, USB) ISA (audio, diskette, serial, parallel, infrared) / NS PC97338 (FDC, IR, I/O) Intel 440BX PciSet / Intel PIIX4 (EIDE, USB, PCI to ISA bridge) Texas Instruments® T11250A PCMCIA controller		
Docking station	None		
Port replicator	① ThinkPad Enhanced Port Replicator, ② ThinkPad 560 Port Replicator, ③ ThinkPad 380/385 Port Replicator		
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Other features	APM-aware BIOS / Universal AC adapter; barrel (56 watts)		
Video in/out	None		
MPEG decoder	None (software support for MPEG-1 in Windows 95)		
Data/fax modem	None		
Audio	16-bit / CS4237B / SRS 3D audio / FM synthesis		
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Infrared ports	Infrared port on left side / IrDA 1.1 compatible / up to 4Mbps		
Security	Power-on password / supervisor password / hard disk password / security keyhole / personalization screen at startup		
Preinstalled software	Microsoft® Windows® 95 OSR2.1 with applications (listed on right)		
Limited warranty ¹¹	1 year - ThinkPad EasyServ ³¹ (door-to-door depot repair service) or carry-in		
Service options ¹⁵	On-site ³² , M-F, 8-5, next bus day (72 cities) / serv up to 5 yrs from purchase date		
The ThinkPad Enhanced Port Replicator provide cable management, additional I/O ports, and CardBus PC Card slots. Features include: - Dual IBM lock slots to secure the ThinkPad, PC Cards, and Port Replicator Port Replicator connectors: - USB, serial (9 pin), parallel (25 pin) - External display (15 pin) - Keyboard and mouse - Audio in (3.5 mm) and audio out (3.5 mm) - Joystick/MIDI port (15 pin) - not on system - External diskette drive connt - not on system - Power connector (requires AC power; can not run on battery) Features of the PC Card slots: - Two Type III slots (side by side) - PC Card Standard 95 compliant - CardBus compliant (PCI 2.1 / 32-bit) - 8/16-bit PC Card support (no Zoomed Video) - Texas Instruments PCI1131 controller - Requires no PCI-to-PCI bridge		OPTIONS - 8MB SO DIMM 3.3v NP EDO 64-bit 92G7340 - 16MB SO DIMM 3.3v NP EDO 64-bit 01K1124 - 32MB SO DIMM 3.3v NP EDO 64-bit 92G7342 - 64MB SO DIMM 3.3v NP EDO 64-bit 76H0268 - ThinkPad 560 Port Replicator 46H4209 - ThinkPad 380/385 Port Replicator 84G1316 - ThinkPad Enhanced Port Replicator 11J8997 - ThinkPad 380/385 Li-Ion Battery 02K6507 - 56 watt AC Adapter (barrel; 3 prong) 83H6739 - 4.0GB disk, 13ms 05K8871 - 6.4GB disk, 13ms, Ultra DMA/33 02K0518 - V.90 PC Card Modem with XJACK ²⁴ 10L7393 Easy-Setup is entered by holding F1 when turning on.	

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