

IBM ThinkPad® 380Z - withdrawn

IBM® ThinkPad®					
Processor	Intel® Mobile Pentium® II 233 or 300MHz¹ / 66MHz system bus				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 on right side
Processor features	No upgrade / processor, L2 cache, and MTXC (North Bridge) on Intel Mobile Module				
L2 cache	512KB / sync pipelined burst / ECC / half 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-10X⁵ speed / CAV / multi-session / XA / ATAPI / bootable / not removable / on right side				
Type - model	2635-HGU	2635-JGU	2635-HBU	2635-JBU	2635-JCU (AAP)
Processor	Pentium II 233MHz	Pentium II 300MHz	Pentium II 233MHz	Pentium II 300MHz	Pentium II 300MHz
Preload (see side)	Windows 98	Windows 98	NT 4.0	NT 4.0	None
Disk - size / ms	4.0GB* / 13ms read / 14ms write / SMART				
Disk controller	EIDE / PCI 2.1 / supports one internal disk / disk can be removed and upgraded by customer				
Avail / withdrawn date	September 1998 / HGU withdrawn March 1999; others withdrawn June 1999				
Display - size and type	13.3 inch TFT color				All models: - C: drive is FAT16 of 2GB - D: drive is FAT32 (if W98) or FAT16 (if NT) of remaining space
Display - technology	XGA / 640x480 or 800x600 or 1024x768 / Active Matrix TFT / 75ms / 100 nits 16.7 million simultaneous colors / 100 to 1 contrast ratio ratio				
Graphics - controller	NeoMagic™ MagicMedia256AV™ (NM2200) / PCI 2.1 / 128-bit engine, 256-bit memory interface / DDC2B / Direct3D				
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 / 96MB or 160MB* / non-parity / 3.3 volt / EDO / 60ns				
Memory - features	1 socket for one JEDEC 144 pin EDO SO DIMM of 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	TrackPoint® / Press-to-Select / Release-to-Select / dragging / click pace				
Dimensions	11.8 x 9.2 x 2.4" (260 cubic inches); 300.0mm x 233.0mm x 62.0mm				
Weight ²	7.2 pounds (3.3 kg) with battery and disk				
Battery - type / life ¹⁰	Li-Ion / non-intelligent / Hxx: 3.1 hrs; Jxx: 3.3 hrs				
Charge time - on / off	4.2 to 12 hrs / 3.3 hrs				
Architecture	Intel 440BX PCiset / 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) ISA (audio, diskette, serial, parallel, infrared)				
Docking station	None				
Port replicator	ThinkPad Port Replicator with Advanced EtherJet / ThinkPad 560 Port Replor				
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, 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 98)				
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				
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) / service agreements up to 5 years from purchase date				
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™. Features:		OPTIONS			
- 10/100 ethernet (Intel 82558, Wake on LAN)		- 16MB SO DIMM 3.3v NP EDO 64-bit	01K1124		
- Dual IBM lock slots to secure the ThinkPad, PC Cards, and Port Replicator		- 32MB SO DIMM 3.3v NP EDO 64-bit	92G7342		
Connectors:		- 64MB SO DIMM 3.3v NP EDO 64-bit	76H0268		
- USB, serial (RS-232, 9 pin), parallel (25 pin), external display, keyboard, mouse		- ThinkPad 560 Port Replicator	46H4209		
- Audio in and out (3.5 mm)		- Port Replicator w/ Advanced EtherJet	05K4872		
- Joystick/MIDI port (15 pin) - not on system		- ThinkPad 380/385 Li-Ion Battery	02K6507		
- External diskette drive connector (no support)		- 56 watt AC Adapter (barrel; 3 prong)	83H6739		
- Power connector		- 4.0GB disk**, 13ms	05K8871		
Features of the PC Card slots:		- 6.4GB disk**, 13ms, Ultra DMA/33	02K0518		
- Two Type III slots (side by side)		- V.90 PC Card Modem with XJACK ²⁴	10L7393		
- PC Card Standard 95 compliant		- 56K PC Card Modem/Cellular cpble	02K4196		
- CardBus compliant (PCI 2.1 / 32-bit)		- 10/100 Ethernet CardBus PC Card	08L3147		
- PCMCIA 2.1 (no Zoomed Video)		- ThinkPad Proven™ solutions ¹² (visit www.ibm.com/pc/us/thinkpad/proven)			
- TI 1250A controller					
- Requires no PCI-to-PCI bridge					
		Easy-Setup is entered by holding F1 when turning on.			
WINDOWS 98 PRELOAD¹⁶					
- 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 97 (CD)					
• ConfigSafe					
• Norton AntiVirus (OEM Version)					
• ThinkPad on the Net (TCC CD)					
◆ Customization Center CD-ROM					
◆ Lotus SmartSuite 97 CD-ROM					
◆ Product Recovery CD-ROM (with boot diskette)					
WINDOWS NT PRELOAD¹⁶					
- Windows NT® Workstation 4.0					
- Service Pack 3					
• Online User's Guide					
• Artisoft ConfigSafe					
• ThinkPad Configuration Program					
• ThinkPad Utilities					
• Diskette Factory					
• Puma IntelliSync 97 (infrared)					
• IBM Registration					
• Ergonomics					
• SystemSoft CardWizard					
• Norton AntiVirus (TCC CD)					
◆ Product Recovery CD-ROM (with boot diskette)					
4.0GB = Ultra DMA/33** or PIO Mode 4					
6.4GB = Ultra DMA/33** or PIO Mode 4					
All disks are SMART compliant					
FEATURES					
Wired for Management 1.1a compliant					
DMI 2.0 compliant					
PC 97 compliant					
ACPI ready (APM enabled)					
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 Service¹⁴					
IBM SystemXtra[®],³⁵					
24 hour / 7 day telephone³⁰, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support					

All trademarks are the property of their respective owners

* Maximum memory capacity with 128MB SO DIMM from ThinkPad Proven vendor

** Bus length limits EIDE controller (only on 380Z) to DMA Multi-Word Mode 1 (13MB/sec)

No warranties are expressed or implied in this summary (380Z) © IBM Corp. July 1999