

IBM ThinkPad® 380Z - withdrawn

IBM® ThinkPad®

Processor	Intel® Mobile Pentium® II 233 or 300MHz ¹ / 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
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					All models: - C: drive is FAT16 of 2GB - D: drive is FAT32 (if W98) or FAT16 (if NT) of remaining space
CD-ROM	5.25" CD-ROM / 24X-10X ⁵ 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 ⁴ / 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Avail / withdrawn date	September 1998 / HGU withdrawn March 1999; others withdrawn June 1999					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					
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 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 / 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:						
- 10/100 ethernet (Intel 82558, Wake on LAN)						
- Dual IBM lock slots to secure the ThinkPad, PC Cards, and Port Replicator						
Connectors:						
- 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						
- External diskette drive connector (no support)						
- Power connector						
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)						
- PCMCIA 2.1 (no Zoomed Video)						
- TI 1250A controller						
- Requires no PCI-to-PCI bridge						
OPTIONS						
- 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						
- Port Replicator w/ Advanced EtherJet 05K4872						
- 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						
- 56K PC Card Modem/Cellular cpble 02K4196						
- 10/100 Ethernet CardBus PC Card 08L3147						
- ThinkPad Proven™ solutions ¹² (visit www.ibm.com/pc/us/thinkpad/proven)						
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						

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* 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