IBM ThinkPad® 560Z - withdrawn

IBM® ThinkPad®

Processor	**Intel® Mobile Pentium® II 233 or 300MHz**[1] / 66MHz system bus
Processor features	No processor upgrade / processor on Mini-Cartridge
L2 cache	**512KB** / synchronous pipelined burst / ECC / half speed
Diskette drive	External 3.5" 1.44MB (connects to left side) / includes case with a cable
External FDD port	External FDD port (works with standard external diskette; no kit reqd)
CD-ROM drive	None (CD-ROM drive as option via PCMCIA or parallel port)

Type - model	**2640-90U**	**2640-91U**	**2640-B0U**	**2640-B1U**
Preload (see side)	**Windows 98**	**NT 4.0**	**Windows 98**	**NT 4.0**
Processor	**Pentium II 233MHz**		**Pentium II 300MHz**	
Disk - size / ms	**4.0GB**[4] / 13ms / SMART[29]		**6.4GB** / 13ms / SMART	
Disk controller	Disk can be removed and upgraded by customer / Ultra DMA/33 or PIO Mode 4			
	EIDE / busmaster / PCI 2.1 / supports one internal disk			
Avail / withdrawn date	September 1998 / 90U and 91U withdrawn March 1999; others on June 1999			

Display - size and type	**12.1" TFT SVGA color** (active matrix)	All models:
	640x480 or 800x600	- C: drive is FAT16 of 2GB
	16.7 million simultaneous colors	- D: drive is FAT32 (if W98) or
Display - techology	100 to 1 contrast ratio	FAT16 (if NT) of remaining space

Graphics - controller	**NeoMagic™ MagicGraph128XD**™ (NM2160) / 128-bit SVGA accelerator
Graph - arch/data path	**2MB** / iDRAM™ (embedded) / PCI 2.1 / Zoomed Video support
Graphics - features	Interpolation in X and Y axis / color space conversion
Graphics - features	Simultaneous LCD and CRT / 135 degree tilt
Graphics - external	External SVGA to 1024x768 with 65,536 colors (or 800x600 with 16.7 mil)

Memory - std / max	**32MB** std / 96MB or 160MB* max	**64MB** std / 128MB or 192MB* max
Memory - features	60ns / non-parity / 3.3 volt / EDO	
Memory - upgrade	1 socket for one JEDEC 144-pin EDO SO-DIMM of 16, 32, or 64MB	

Keyboard / # of keys	**Full size** alp/num keys / 85 keys (6 Fn key functions)
Keyboard slope	**Large palm rest** / keyboard remains flat (no sloop) / opt P Replicator adds slope
Pointing device	TrackPoint® / Press-to-Select / Release-to-Select / dragging / click pace
Palm rest	Integrated palm rest / external keyboard support (with optional cable 54G0441)

Dimensions	11.7" x 8.7" x 1.22" (124 cubic inches); 297mm x 222mm x 31mm
Weight[2] with battery	90U: 4.1 lbs (1.88 kg) B0U/B1U: 4.2 lbs (1.92 kg)

Battery - type / life[10]	Lithium Ion / intelligent / 3.0 hours
Charge time - on / off	2.5 to 3.5 hrs / 1.5 hrs

Architecture	**Intel 440BX PCIset** / Intel 82371EB **PIIX4E** (EIDE, ISA Bridge, USB) / PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, PCMCIA, USB) / **TI PCI1250A** ISA (audio, diskette, serial, parallel, infrared) / NS PC97338 (FDC, IR, I/O)
Docking Station	None
Port replicator	Port Replicator with Advanced EtherJet / ThinkPad 560 Port Replicator
PC Card Std slots	2 Type I or 2 Type II or 1 Type III / **CardBus 32-bit PCI** / Zoomed Video PCMCIA 2.1 compatible / Texas Instruments® TI1250A controller
Serial / parallel ports	One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)
USB port	**One USB port**
Other features	Universal AC Adapter; 3 prong (56 watts) with barrel connector / APM-aware BIOS / APM 1.2 / Selectable boot / IBM BIOS

Video in/out	None
MPEG decoder	None (software support for MPEG-1 in Windows 98)
Data/fax modem	**56Kbps**[23] **PC Card modem** / x2 / cellular capable / XJACK / IBM pn 02K4196
Audio support	**16-bit audio chip / FM synthesis / CS4237B / SRS 3D audio** (if use ext speakers) Internal mono speaker / .5 watt / keyboard volume control / internal microphone
Jacks	Input jack (3.5 mm) / stereo output jack (3.5 mm) / full duplex speakers/mic
Infrared ports	**Infrared port (left side) / IrDA 1.1 compatible / up to 4Mbps**

Security	Power-on password / hard disk password / security keyhole on left side / 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) / serv up to 5 yrs from purchase date

ThinkPad Port Replicator with Advanced EtherJet Feature. Features include:

- 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
- 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 support (no Zoomed Video)
- TI 1250A controller

OPTIONS

- 6.4GB disk, 13ms, Ultra DMA/33	02K0518
- ThinkPad 560 Port Replicator	46H4209
- Port Replicator w/ Advanced EtherJet™	05K4872
- ThinkPad 560 Li-Ion Battery Pack	46H4206
- 56 watt AC Adapter (barrel; 3 prong)	83H6739
- 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
- 20X-8X Portable CD-ROM	1969010
- 20X-8X Portable Stereo CD-ROM	1969011
- 56K PC Card Modem/Cellular Capable	02K4196
- V.90 PC Card Modem with XJACK[24]	10L7393
- ThinkPad Proven™ solutions[12] (visit www.ibm.com/pc/us/thinkpad/proven)	

WINDOWS 98 PRELOAD[16]

- Microsoft® Windows® 98
- ThinkPad Utilities
- Online User's Guide
- ThinkPad Configuration Program
- ThinkPad on the Net
- IBM Update Connector
- RingCentral Fax
- Ergonomics
- IBM Product Registration
- Puma IntelliSync 97 (infrared)
- IBM Global Network Dialer
- Netscape Navigator web browser
- Lotus® SmartSuite 97
- Artisoft ConfigSafe
- Norton AntiVirus
- ◇ Customization Center CD-ROM
- ◇ Product Recovery CD-ROM (with boot diskette)

WINDOWS NT PRELOAD[16]

- Windows NT® Workstation 4.0
- Service Pack 3
- ThinkPad Utilities
- Online User's Guide
- Puma IntelliSync 97 (infrared)
- ConfigSafe
- Norton AntiVirus (OEM Version)
- Ergonomics
- IBM Product Registration
- SystemSoft CardWizard
- ◇ Customization CD-ROM (apps/drivers)
- ◇ Product Recovery CD-ROM (with boot diskette)

Easy-Setup is entered by holding F1 when turning on.

System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.

The optional **ThinkPad 560 Port Replicator** acts as a wedge which attaches to the back and bottom of the unit and provides a keyboard slope. Following are its connectors:

- Release button
- Security keyhole
- Mouse
- Keyboard
- External monitor
- Parallel
- Serial (9 pin)
- External diskette drive
- Power jack

FEATURES

Wired for Management 1.1a compliant
DMI 2.0 compliant
PC 97 compliant
ACPI ready (APM enabled)
Setup Guide, User's Guide, Windows 98 or NT Manual
Plug and Play 1.0a
Standby, suspend, safe suspend, and hibernation modes
ENERGY STAR compliant
Personalized nameplate indention
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

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All trademarks are the property of their respective owners
* Maximum memory capacity with 128MB SO DIMM from ThinkPad Proven vendor

No warranties are expressed or implied in this summary
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