IBM ThinkPad® 600 - withdrawn

IBM® ThinkPad®

Processor type/path	Intel® Pentium® MMX™ 233/66MHz[1] or Pentium II 233/66 or 266/66MHz
Processor features	No upgrade / processor, L2 cache, and mem cntr (North Bridge) on Mobile Module
L2 cache	**512KB** / sync pipelined burst (66MHz for Pentium / ECC and half speed for Pent II)
Diskette (removable)	3.5" 1.44MB / use in UltraslimBay (CD-ROM models include external diskette enclosure)
External FDD port	External diskette port on right side (can use simultaneously with internal CD-ROM)
CD-ROM (removble)	*Standard or option:* **5.25" CD-ROM / 24X-10X**[5] **speed** / bootable / warm swap EIDE (ATAPI) / PIO Mode 4 for W95; DMA Mode 2 for NT / use in UltraslimBay
DVD[19] (removable)	*Option:* 2X[5] DVD-ROM drive / removable UltraslimBay option / warm swap
SuperDisk (LS-120)	*Option:* Removable UltraslimBay option / supports 1.44MB and 120MB diskette

The right bay (UltraslimBay) has LED on release latch to provide status; supports warm swapping
- std diskette and travel cover
- std or optional CD-ROM
- optional DVD drive[19]
- opt LS-120 SuperDisk drive (cold swap)
- optional Zip 100MB drive (cold swap)
- optional HDD adapter (cold swap)
- optional ThinkPad Proven™ solutions[12]

	✂ 2645-21U	✂ 2645-31U	✂ 2645-35U	✂ 2645-41U	✂ 2645-51U	✂ 2645-A1U
Type - model						
Processor	**Pent 233/66**	**Pent 233/66**	*PII 233/66MHz*	*PII 233/66MHz*	*PII 266/66MHz*	*PII 266/66MHz*
Display (diagonal)	**13.0" HPA XGA**	**12.1 TFT SVGA**	**12.1 TFT SVGA**	**13.3" TFT XGA**	**13.3"TFT XGA**	**13.3"TFT XGA**
Disk (removable)	**3.2GB**[4] / PIO4	**3.2GB** / PIO4	**3.2GB** / PIO4	**3.2GB** / PIO4	**4.0GB** / PIO4	None (AAP)
Preload (see side)	**W95 OSR2.1**	**W95 OSR2.1**	**W95 OSR2.1**	**W95 OSR2.1**	**W95 OSR2.1**	Blank (no disk)
CD-ROM	**CD-ROM std**	Optional	**CD-ROM std**	**CD-ROM std**	**CD-ROM std**	None (AAP)
Modem	**56Kbps**	Opt PC Card	**56Kbps**	**56Kbps**	**56Kbps**	**56Kbps**
Avail / withdr date	Apr 98/Dec 98	Apr 98/Dec 98	Aug 98/Mar 99	Apr 98/Aug 98	Apr 98/Mar 99	Apr 98/Aug 98

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

Memory - std / max	**32MB** / 256MB[3] (TX max=256) **32MB** std / 288MB maximum
Memory - upgrade	**SDRAM /** non-parity / 66MHz / 3.3v / 2 sockets available for two JEDEC 144-pin SDRAM SO-DIMMs / sockets accessed by removing screw on bottom
Display	(See below) SVGA or XGA color / TFT or HPA / 180 degree tilt
Graphics - controller	**NeoMagic™ MagicGraph128XD**™ (NM2160B) / 128-bit SVGA accelerator
Graphics - arch	**2MB** / iDRAM™ (embedded) / Zoomed Video support
Graphics - features	Support for DirectX 5.0, DDC2B, color space conversion
Graphics - external	External SVGA to 1024x768 with 65,536 colors (800x600 with 16.7 million colors)
Disk	Left front / removable via coin screw or 2.5mm Allen wrench / SMART / upgradeable
Disk controller	Enhanced IDE / busmaster / PCI 2.1 / South Bridge / PIIX4 DMA Mode 2, Ultra DMA/33, or PIO Mode 4 / supports 2nd disk in opt HDD adapter
Keyboard / Fn keys	Full size alp/num keys / 9 Fn key functions / integrated palm rest
Keyboard slope	Flat keyboard (does not lift up)
Pointing device	**TrackPoint**® / Press-to-Select / Release-to-Select / dragging / click pace / center click button for scrolling or magnifying glass / suspension top / spare caps
Dimensions[36]	Approximately 11.8 x 9.4 x 1.4" (155 cubic inches); 300mm x 240mm x 36.5mm
Weight[2]	4.72 lb (2.14 kg) to 5.62 lb (2.55 kg)
Battery - type	Lithium Ion / intelligent / remove from base / locked with latch
Battery - life[10]	3.0 hrs / no non-disruptive battery exchange
Charge time - on / off	2 to 3 hrs / 1.5 to 2.5 hrs
Architecture	**Intel 430TX, PIIX4** for Pentium systems / **Intel 440BX, PIIX4** for Pent II systems PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, CardBus, USB, ext expansion) TI PCI1250A for CardBus / LM75 digital thermometer / PC97338 Super I/O / ISA (audio, modem, diskette, serial, parallel, infrared, ext expansion)
Port replicator	**SelectaBase 600** / PC Card Enabler[17] / PC Card Enabler with Advanced EtherJet[17]
Docking Station	**SelectaDock III** / SelectaDock I and II
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 serial; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)
Other features	APM-aware BIOS / AC Adapter barrel, 3 prong (56 watts) / Selectable boot
Video in/out	None
MPEG decoder	None (software support for MPEG-1 in Windows 95)
Data/fax modem	*Some models:* 56Kbps (x2, upgradeable to v.90[9]) / 14.4Kbps fax / voice-capable / integrated Mwave® 3780i DSP / international programmable DAA / modem cable
Audio support	CS4237B / 16-bit / **SRS 3D audio** / FM synthesis
	Int stereo speakers (front) / .5 watt / Fn+PgUp and PgDn (volume) / int microphone
Jacks	Input jack (3.5 mm) / Output jack (3.5 mm) / full duplex
Infrared ports	Infrared port (on right) / IrDA 1.1 compatible / **up to 4Mbps**
Security	Power-on password / hard disk password / supervisor password / security keyhole / personalization / phillips-head screw on base for memory / opt Allen screw for disk
Limited warranty[11]	**3 year** - carry-in or ThinkPad EasyServ™[31] Rapid Depot Repair (3 business day average turnaround)
Service options[15]	On-site[32], M-F, 8-5, next bus day (72 cities) / serv up to 5 yrs from purchase date

WINDOWS 95 PRELOAD[16]
- Microsoft® Windows® 95 OSR2.1
- Internet Explorer 4.01
- Online User's Guide
- ThinkPad Configuration Program
- ThinkPad Customization Center
- Puma IntelliSync 97 (infrared)
- IBM AntiVirus 3.02 (not installed)
- ConfigSafe 1.05 (must install)
- IBM Global Network Dialer 4.15.6 with Netscape Navigator web browser
- Intel LANDesk® Client Manager 3.1 (not installed)
- PointCast with ThinkPad channel
- Ergonomics
- Netfinity 5.1 for Windows 95 (not installed)
- Tivoli Light Client Framework (not installed)
- Lotus® SmartSuite 97[20]
- Ring Zero RingCentral 4.10
- Intel Video Phone 2.0.1
- IBM Update Connector
- IBM Product Registration
- ◇ Customization CD-ROM (apps/drivers)
- ◇ Recovery CD-ROM with boot diskette

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

ThinkPad 600 supported disks:

- 3.2GB	13ms read/14ms write	
9.5 mm	PIO Mode 4 or Ultra DMA/33	
- 4.0GB	13ms read/14ms write	
12.5 mm	PIO Mode 4 or Ultra DMA/33	
- 6.4GB	13ms read/14ms write	
12.5 mm	PIO Mode 4 or Ultra DMA/33	

FEATURES
PC 97 compliant
DMI 2.0 compliant
DMI instrumentation (thermal monitoring)
ACPI 1.0 compliant
Wired for Management 1.1a
Wake on LAN™ support[28]
C: is 1.99GB, D: is up to 1.99GB, etc.
Setup Guide, User's Reference, Quick Reference and Service Information Card, Options by IBM Catalog, Windows 95 manual
Plug and Play 1.0a
Standby, suspend, safe suspend, and hibernation modes
ENERGY STAR compliant
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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13.0" (330.2 mm) HPA XGA color
- HIgh Performance Addressing (Dual Scan)
- 640x480 (16 million), 800x600 (16 million), or 1024x768 (65,536 simultaneous colors)
- 150ms; 40 to 1 contrast ratio
- 70 nits (AC), 40 nits (battery)

12.1" (307.5 mm) TFT SVGA color
- Active Matrix TFT
- 640x480 (16 million) or 800x600 (16 million simultaneous colors)
- 75ms; 100 to 1 contrast ratio
- 110 nits (AC), 70 nits (battery)

13.3" (337.8 mm) TFT XGA color
- Active Matrix TFT
- 640x480 (16 million), 800x600 (16 million), or 1024x768 (65,536 simultaneous colors)
- 75ms; 100 to 1 contrast ratio
- 150 nits (AC), 90 nits (battery)

- 6.4GB disk, 13ms, Ultra DMA/33	02K0518
- 10GB disk, 12ms, Ultra DMA/33	36L9293
- **SelectaBase 600**	**12J2467**
- PC Card Enabler[17]	83H6741
- PC Card Enabler with EtherJet™[17]	05K4820
- SelectaDock I	3547001
- SelectaDock II	3547002
- **SelectaDock III**[17]	**3547003**
- 56 watt AC Adapter (barrel; 3 prong)	83H6739
- **24X-10X CD-ROM** (UltraslimBay; includes external diskette enclosure)	12J2471
- **16MB SO DIMM 3.3v NP SDRAM**	**76H0293**
- **32MB SO DIMM 3.3v NP SDRAM**	**76H0294**
- **64MB SO DIMM 3.3v NP SDRAM**	**76H0295**
- ThinkPad 600 Li-Ion Battery	12J2464
- UltraslimBay HDD adapter (for 2nd disk)	05K5336
- SuperDisk LS-120 (UltraslimBay)	20L1929
- 2X DVD Drive (UltraslimBay)	05K8890
- Zip 100MB UltraslimBay Drive	37L1504

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☞ = Announced August 18, 1998

IBM® ThinkPad®

Processor type/path	**Intel® Mobile Pentium® II 300MHz**[1] / 66MHz system bus
Processor features	No upgrade / processor, L2 cache, and mem cntr (North Bridge) on Mobile Module
L2 cache	**512KB** / sync pipelined burst / ECC / 150MHz (half speed)
Diskette (removable)	3.5" 1.44MB / use in UltraslimBay / ships in external diskette enclosure with a cable
External FDD port	External diskette port on right side (can use simultaneously with internal CD-ROM)
CD-ROM (removble)	**5.25" CD-ROM / 24X-10X**[5] **speed** / bootable / warm swap
	EIDE (ATAPI) / PIO Mode 4 for W95; DMA Mode 2 for NT / use in UltraslimBay
DVD[19] (removable)	*Option:* 2X[5] DVD-ROM drive / removable UltraslimBay option / warm swap
SuperDisk (LS-120)	*Option:* Removable UltraslimBay option / supports 1.44MB and 120MB diskette

Type - model	**2645-45U**	**2645-85U**	All models:
Preload (see side)	**Windows 98**	**Windows NT 4.0**	- C: drive is FAT16 of 2GB
Disk (removable)	**5.1GB**[4] / 12ms (read);13ms (write) / upgradeable		- D: drive is FAT32 (if W98) or
Avail / withdr date	September 1998 / June 1999		FAT16 (if NT) of remaining space

Memory	**64MB** std / 288MB[25] maximum / **SDRAM** / non-parity / 66MHz / 3.3v
	Two 144-pin sockets / 32MB on planar and 1 socket used by 32MB SO-DIMM /
	1 socket available / sockets accessed by removing screw on bottom
Display	**13.3" (337.8mm) TFT color** / Active Matrix / XGA / 75ms / 100 to 1 contrast ratio/
	640x480 or 800x600 (16.7 million colors), 1024x768 (65,536 colors) /
	150 nits (AC), 90 nits (battery) / 180 degree tilt
Graphics - controller	**NeoMagic™ MagicGraph128XD™** (NM2160B) / 128-bit SVGA accelerator
Graphics - arch	**2MB** / iDRAM™ (embedded) / Zoomed Video support
Graphics - features	Support for DirectX 5.0, DDC2B, color space conversion
Graphics - external	External SVGA to 1024x768 with 65,536 colors (800x600 with 16.7 million colors)
Disk	Left front / removable via coin screw or 2.5mm Allen wrench / SMART / upgradeable
Disk controller	Enhanced IDE / busmaster / PCI 2.1 / South Bridge / PIIX4
	DMA Mode 2, Ultra DMA/33, or PIO Mode 4 / supports 2nd disk inopt HDD adapter
Keyboard / Fn keys	Full size alp/num keys / 9 Fn key functions / integrated palm rest
Keyboard slope	Flat keyboard (does not lift up) / optional Port Replicator adds slope
Pointing device	**TrackPoint®** / Press-to-Select / Release-to-Select / dragging / click pace /
	center click button for scrolling or magnifying glass / suspension top / spare caps
Dimensions[36]	Approximately 11.8 x 9.4 x 1.4" (155 cubic inches); 300mm x 240mm x 36.5mm
Weight[2]	5.01 lbs (2.27 kg) with travel cover and battery only
Battery - type	Lithium Ion / intelligent / remove from base / locked with latch
Battery - life[10]	3.0 hrs / no non-disruptive battery exchange
Charge time - on / off	2 to 3 hrs / 1.5 to 2.5 hrs
Architecture	**Intel 440BX and PIIX4** (EIDE, ISA Bridge, USB)
	PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, CardBus, USB, ext expansion)
	TI PCI1250A for CardBus / LM75 digital thermometer / PC97338 Super I/O /
	ISA (audio, modem, diskette, serial, parallel, infrared, ext expansion)
Port replicator	**SelectaBase 600** / PC Card Enabler[17] / PC Card Enabler with Advanced EtherJet[17]
Docking Station	**SelectaDock III** / SelectaDock I and II
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 serial; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)
Other features	APM-aware BIOS / AC Adapter barrel, 3 prong (56 watts) / Selectable boot
Video in/out	None
MPEG decoder	None (software support for MPEG-1 in Windows 98)
Data/fax modem	**56K** (x2, upgradeable to v.90[9]) / 14.4Kbps fax / telephony / voice-capable
	integrated Mwave® 3780i DSP / international programmable DAA / modem cable
Audio support	CS4237B / 16-bit / **SRS 3D audio** / FM synthesis
	Int stereo speakers (front) / .5 watt / Fn+PgUp and PgDn (volume) / int microphone
Jacks	Input jack (3.5 mm) / Output jack (3.5 mm) / full duplex
Infrared ports	Infrared port (on right) / IrDA 1.1 compatible / **up to 4Mbps**
Security	Power-on password / hard disk password / supervisor password / security keyhole /
	personalization / phillips-head screw on base for memory / opt Allen screw for disk
Limited warranty[11]	**3 year** - carry-in or ThinkPad EasyServ™[31] Rapid Depot Repair (3 business day
	average turnaround)
Service options[15]	On-site[32], M-F, 8-5, next bus day (72 cities) / service agreements up to 5 years from
	purchase date

- 56K PC Card Modem Kit	04K0052	- 6.4GB disk, 13ms, Ultra DMA/33	02K0518
- 56K PC Card Modem/Cellular capab	02K4196	- 10GB disk, 12ms, Ultra DMA/33	36L9293
- V.90 PC Card Modem with XJACK[24]	10L7393	- **SelectaBase 600**	**12J2467**
- EtherJet PC Card Combo	72H4534	- PC Card Enabler[17]	83H6741
- IBM 10/100 EtherJet CardBus PC Cd	08L3147	- PC Card Enabler with EtherJet™[17]	05K4820
- UltraslimBay HDD adapter (for 2nd disk)	05K5336	- SelectaDock I	3547001
- SuperDisk LS-120 (UltraslimBay)	20L1929	- SelectaDock II	3547002
- 2X DVD Drive (UltraslimBay)	05K8890	- **SelectaDock III**[17]	**3547003**
		- 56 watt AC Adapter (barrel; 3 prong)	83H6739
		- **24X-10X CD-ROM** (UltraslimBay;	**12J2471**
The right bay (UltraslimBay) has LED on release		includes external diskette enclosure)	
latch to provide status; supports warm swapping:		- **16MB SO DIMM 3.3v NP SDRAM**	**76H0293**
• std diskette and weight-saver bezel		- **32MB SO DIMM 3.3v NP SDRAM**	**76H0294**
• std or optional CD-ROM		- **64MB SO DIMM 3.3v NP SDRAM**	**76H0295**
• optional DVD drive[19]		- **64MB SO DIMM 3.3v NP SDRAM**	**20L0241**
• optional Zip 100MB drive (cold swap)		- **128MB SO DIMM 3.3v NP SDRAM**	**01K1150**
• opt LS-120 SuperDisk drive (cold swap)		- ThinkPad 600 Li-Ion Battery	12J2464
• opt HDD adapter; second disk (cold swap)		- External Battery Charger	02K6499
• optional ThinkPad Proven™ solutions[12]		- Zip 100MB UltraslimBay Drive	37L1504

WINDOWS 98 PRELOAD[16]

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

WINDOWS NT PRELOAD[16]

- Windows NT® Workstation 4.0
- Online User's Guide
- ThinkPad Utilities
- ThinkPad Configuration Program
- Puma IntelliSync 97 (infrared)
- ConfigSafe
- IBM Global Network Dialer
- Netscape Navigator web browser
- Norton AntiVirus (OEM Version)
- Ergonomics
- IBM Product Registration
- SystemSoft CardWizard
- ◇ Lotus SmartSuite Millennium CD-ROM
- ◇ Customization CD-ROM (apps/drivers)
- ◇ Product Recovery CD-ROM (with boot diskette)

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

ThinkPad 600 supported disks:

- 3.2GB	13ms read/14ms write
9.5 mm	PIO Mode 4 or Ultra DMA/33
- 4.0GB	13ms read/14ms write
12.5 mm	PIO Mode 4 or Ultra DMA/33
- 5.1GB	12ms read/13ms write
12.5 mm	PIO Mode 4 or Ultra DMA/33
- 6.4GB	13ms read/14ms write
12.5 mm	PIO Mode 4 or Ultra DMA/33

FEATURES

Wired for Management 1.1a
PC 97 compliant
DMI 2.0 compliant
DMI instrumentation (thermal monitoring)
ACPI ready (APM enabled)
Wake on LAN® support[28]
C: is 1.99GB, D: is up to 1.99GB, etc.
Setup Guide, User's Reference, Quick Reference and Service Information Card, Options by IBM Catalog, Windows 98 or NT manual
Plug and Play 1.0a
Standby, suspend, safe suspend, and hibernation modes
ENERGY STAR compliant
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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