



Personal Systems Reference
IBM ThinkPad i Series Notebooks
1998 to 2002 - withdrawn

April 2002 - Version 237



IBM ThinkPad® i Series 1721 - withdrawn

IBM® ThinkPad® i Series 1721					
Processor	Intel® Mobile Pentium® II 300MHz ¹ / 66MHz system bus	<i>All-in-one design means the disk, diskette drive, and DVD are all within the covers of the notebook</i>			
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 / removable from UltraBay™ FX / on right side / integrated with DVD				
External FDD port	None since diskette internal				
DVD	2X ⁵ DVD-ROM / ATAPI / bootable / removable from UltraBay FX / on right side / integrated with diskette drive				
CD-ROM	None supported (the DVD-ROM can use CD discs)				
Type - model	2627-721				
UPC code	0-87944-47527-9				
Disk	5.4GB ⁴ / 13ms read / 14ms write / S.M.A.R.T. ⁸ / supports two internal disks				
Disk controller	EIDE / PCI 2.1 / disk can be removed to upgrade by customer				
Avail / withdrawn date	January 1999 / April 2002				
Display - size and type	14.1" TFT color / Active Matrix				
Display - technology	XGA / 640x480 or 800x600 or 1024x768 / 30ms / 120 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 ²⁶ / 150 degree tilt / multiple-monitor support ²⁶				
Memory - std / max	64MB / 256MB ¹⁷	The right bay (UltraBay FX) has a device lock on the bottom of the system and a bay LED which should be off to safely remove a device; it supports: <ul style="list-style-type: none"> • standard diskette/CD-ROM (warm swap) • optional second battery (hot swap); same battery as main one • optional second disk (cold swap) • optional ThinkPad Proven™ solutions¹² 			
Memory - features	SDRAM / non-parity / 66MHz / 3.3 volt / 64-bit 2 sockets for JEDEC 144-pin SO DIMMs / one socket used by std memory sockets accessed from bottom via removing cover held by phillips-head screw				
Keyboard	Full-size 85-key (7 Fn key functions) / keyboard slope with tilt feet / palm rest				
Pointing	TrackPoint® / Press-to-Select / Release-to-Select / dragging / click pace center button for scrolling (Internet Scroll Bar) or magnifying glass / spare caps				
Dimensions	12.4 x 10.2 x 1.8" (228 cubic inches)				
Weight ²	7.8 lbs (3.54 kg) with battery and disk	All models: - C: drive is FAT16 of 2GB - D: drive is FAT32 of remaining space			
Battery - type / life ¹⁰	Li-Ion / intelligent / 3.83 hrs (1 battery) / left side / supports second battery in UltraBay FX				
Charge time ¹⁰ - on / off	6 hrs on / 3 hrs off				
Architecture	Intel 440BX PCIsset / 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, audio) ISA (audio, diskette, serial, parallel, infrared, modem)	WINDOWS 98 PRELOAD¹⁶ <ul style="list-style-type: none"> - Microsoft® Windows® 98 • Online User's Guide • ThinkPad Configuration Program • ThinkPad Customization Center • IntelliQuest Registration 3.0 • Diskette Factory and Utilities • Access ThinkPad • Lotus® SmartSuite® Millennium • Mediamatics DVD Express • Quicken 98 • Norton AntiVirus™ (OEM version) • Rand McNally Trip Maker® • Ring Central Fax • America Online²⁶ • ConfigSafe® • IBM Update Connector • PC Doctor™ (system diagnostics) • IBM Global Network (IGN Dialer) • Netscape Navigator browser • ThinkPad on the Net • Puma IntelliSync 97 ◆ Customization Center CD-ROM ◆ Lotus SmartSuite Millennium CD-ROM ◆ Product Recovery CD-ROM ◆ Tom Lehman Golf Pro 98 ◆ World Book Encyclopedia 			
Docking station	None				
Port replicator	ThinkPad Port Replicator with Advanced EtherJet™ / ThinkPad 560 Port Replic				
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 MPEG-2 support because 300MHz with motion compensation)				
Data/fax modem	56K ³ / V.90 / integrated in system / Lucent 1644 / not voice-capable				
Audio	16-bit SoundBlaster Pro™ support / NeoMagic NMA2 / ISA / full duplex				
Speakers	Two Altec Lansing® SoundGuide stereo speakers on display (1 watt)				
Audio features	Dial volume control (right side) / internal microphone				
Audio in/out jacks	Microphone jack (stereo) / headphone jack (stereo) / line-in jack				
Infrared ports	Infrared port on left side / IrDA 1.1 compatible / up to 4Mbps				
Security	Power-on password / setup password / disk password / security keyhole / security screw for UltraBay FX				
Limited warranty ^{*11}	1 year - EasyServ™.9 onsite pickup and delivery courier service				
Service options ¹⁵	On-site, 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 - 32MB SO DIMM 3.3v NP SDRAM 76H0294 - 64MB SO DIMM 3.3v NP SDRAM 20L0241 - 128MB SO DIMM 3.3v NP SDRAM 01K1150 - ThinkPad 560 Port Replicator 46H4209 - Port Replicator w/ Advanced EtherJet 05K4872 - 6.4GB disk with UltraBay FX adapter 05K8923 Model number TP923; UPC 0-87944-44543-2 - 10GB disk with UltraBay FX adapter 05K8983 - 12GB disk with UltraBay FX adapter 05K9268 - ThinkPad 390/i Series Li-Ion Battery 02K6513 Model number TP513; UPC 0-87944-44544-9 - V.90 PC Card Modem with XJACK ³ 10L7393 - IBM Mini-Mouse (black) 07G0033 - Visit www.ibm.com/pc/us/accessories (U.S.) or www.ibm.com/pc/ca/accessories (CA) - ThinkPad Proven™ solutions ¹² (visit www.ibm.com/pc/us/thinkpad/proven) Pressing F1 during startup brings up IBM BIOS Setup Utility		5.4GB = Ultra DMA/33 or PIO Mode 4 6.4GB = Ultra DMA/33 or PIO Mode 4 10GB = Ultra DMA/33 or PIO Mode 4 Disks are S.M.A.R.T. ⁸ compliant / 12.5mm	
		FEATURES PC 97 compliant ACPI ready (APM enabled) Setup Guide, User's Reference, Windows 98 manual, and Quick Reference Card System Status Indicators Plug and Play 1.0a Standby, suspend, and hibernation modes ENERGY STAR compliant International Warranty Service¹¹ 24 hour / 7 day⁷ telephone, bulletin board, electronic, and Internet (www.ibm.com/pc/us) support			

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, 5 business day average turnaround). The customer may be asked certain diagnostic questions before a courier is sent.

* For a copy of IBM's Statement of Limited Warranty, call 1-800-772-2227
 No warranties are expressed or implied in this summary (1721) © IBM Corp. April 2002

IBM® ThinkPad® i Series 1210, 1230, 1250, 1260 - withdrawn

Name	Type-model	Processor	MHz	Mem	Screen	Disk	CD-ROM	Modem	Ethernet	Design	Preload	Avail
1210	1161-210	Celeron	500/100	32MB	12.1" HPA SVGA	6GB ⁴	24X-10X ⁵	modem	optional	Two-spindle	Win98SE	June 2000
1230	1161-230	Celeron	500/100	64MB	13.0" HPA SVGA	6GB	24X-10X	modem	optional	Two-spindle	Win98SE	June 2000
1250	1161-250	Celeron	500/100	64MB	12.1" TFT SVGA	6GB	24X-10X	modem	optional	Two-spindle	Win98SE	June 2000
1260	1161-260	Celeron	550/100	64MB	13.3" TFT XGA	6GB	24X-10X	modem	optional	Two-spindle	Win98SE	June 2000
Processor	Intel® Mobile Celeron™ 500 or 550MHz¹ with 100MHz bus										WINDOWS 98 PRELOAD¹⁶ - Microsoft® Windows® 98 Second Edition • ThinkPad Utilities • Easy Buttons Utility • Access ThinkPad • Owner Privileges • PC-Doctor™ • RingCentral Fax • Netscape Communicator • ThinkPad on the Net • ConfigSafe® • Norton Anti-Virus™ (OEM edition) • IBM Update Connector™ ¹⁴ • Quicken 2000 • Adobe Acrobat Reader • Earthlink • Real Player G2 • America Online® • @Backup ♦ Lotus® SmartSuite® Millennium CD-ROM ♦ Software Selections CD-ROM ♦ Recovery CD-ROM (Windows 98 SE)	
L2 cache	128KB / onboard (at processor speed) / ECC											
Memory	32 or 64MB standard / 160 or 192MB max ¹⁷ / SDRAM / non-parity / 100MHz / PC 100 / std memory integrated / one 144-pin SO-DIMM available socket											
Diskette drive	None standard / optional USB Portable Diskette Drive											
CD-ROM	CD-ROM ⁵ / 24X-10X speed / bootable / not removable											
Ultrabay 2000	None											
Disk (removable)	6.0GB⁴ / S.M.A.R.T. ⁸											
Display	12.1" (308mm) SVGA (800x600) HPA color / High Performance Addressing 12.1" (308mm) SVGA (800x600) TFT color / Active Matrix 13.0" (330mm) SVGA (800x600) HPA color / High Performance Addressing 13.3" (338mm) XGA (1024x768) TFT color / Active Matrix											
Graphics controller	<i>1210:</i> Silicon Motion Inc (SMI) LynxEM+ SM712 / PCI / 2MB memory <i>1230/50/60:</i> Silicon Motion Inc (SMI) LynxEM+ SM712 / PCI / 4MB memory											
Graphics - external	<i>1210:</i> External SVGA to 1024x768x65,536 colors at 85Hz <i>1230/50/60:</i> External SVGA to 1024x768x16.7million colors at 85Hz											
Keyboard	Full-size 87-key (multiple Fn key functions) / palm rest / four customizable color-coded Easy Launch buttons¹⁸ / two Windows keys											
Pointing	TrackPoint ⁹ / Press-to-Select / Internet Scroll Bar											
ThinkLight	None											
UltraPort™ connectr	None											
Dimensions ¹⁹	<i>1210/30/50:</i> approximately 12.3 x 9.9 x 1.44"; 313 x 252 x 36.6mm <i>1260:</i> approximately 12.3 x 9.9 x 1.39"; 313 x 252 x 35.4mm											
Approximate weight ²	with CD drive and battery: <i>1210/50/60:</i> 6.0 lb (2.7 kg), <i>1230:</i> 6.2 lb (2.8 kg)											
Battery - type	NiMH 8-cell											
Battery - life ²¹	<i>1210/30:</i> 2.8 hr, <i>1250/60:</i> 2.6 hr											
Charge time ²¹ - on / off	5 hrs / 2.5 hrs											
Architecture	Intel 440MX chip set (memory, IDE, USB, PCI controllers) / PCI 2.1, 32-bit 33MHz (graphics, CardBus) / O2® Micro 6812 for CardBus / ALI M5135 Super I/O (diskette, serial, parallel) / audio and modem functions in software											
Port replicator	None											
Docking Station	None											
PC Card Std slots	1 Type I, 1 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / Zoomed Video											
Ports	Two USB (Version 1.1) / parallel / keyboard / mouse / external DB-15 monitor / RJ-11 (modem) / no serial port											
Other features	56 watt AC Adapter											
Video in and out	None											
Modem	56K ³ V.90 / Lucent® chip set / AC97 modem codec											
Ethernet	None / optional via PC Card											
Audio support	SoundBlaster Pro™ support / CS4229 AC97 codec / display mounted stereo speakers / keyboard-based audio controls / no internal microphone / output jack (3.5 mm) / mic in jack											
Security	Power-on password / hard disk password / setup password / security keyhole											
Limited warranty ¹¹	1 year - carry-in or ThinkPad EasyServ™ ⁹ depot repair service via courier											
Warranty upgrade ⁷	On-site, Monday-Friday excluding holidays, 9 hours per day, next bus day response											

Video Modes - 1210 with 2MB memory					OPTIONS												
Resolution	LCD		External Monitor			20L0253	20L0254	20L0255	00N8215	02K6680	02K6696	02K6545	02K3381	05K9276	08L3147	00N8073	
	60Hz	75Hz	85Hz	60Hz	75Hz												85Hz
640x480	97K	16M	16M	16M	16M	- 32MB SO DIMM 100MHz NP SDRAM	- 64MB SO DIMM 100MHz NP SDRAM	- 128M SO DIMM 100MHz NP SDRAM	- IBM MultiPort USB Hub	- 1200/1300 i Series NiMH Battery	- Dual Chemistry Battery Charger	- Ultralim 56 watt AC Adapter	- 56W Car DC Adapter	- IBM USB Portable Diskette Drive	- IBM EtherJet PC Card	- IBM 340MB microdrive	Devices for IBM Portable Drive Bay 2000
800x600	97K	16M	16M	16M	16M	- IBM Portable Drive Bay 2000	- SuperDisk (LS-120) UltraBay 2000	- 24X-10X CD-ROM Ultrabay 2000	- 4X/4X/20X CD-Read/Write Ultrabay	- 6GB Ultrabay 2000 Disk Drive*	- 12GB Ultrabay 2000 Disk Drive*	- 18GB Ultrabay 2000 Disk Drive*					19K4480
1024x768	64K*	64K	64K	64K	64K												05K9236
1280x1024	--	256	--	--	--												05K9233
* Supports 1024x768 in virtual screen mode																	
Video Modes - 1230/50/60 with 4MB																	
Resolution	LCD		External Monitor														
	60Hz	75Hz	85Hz	60Hz	75Hz	85Hz											
640x480	262K**	16M	16M	16M	16M	- Visit www.ibm.com/pc/us/accessories (U.S.) or www.ibm.com/pc/ca/accessories (CA)											
800x600	262K**	16M	16M	16M	16M	- ThinkPad Proven™ solutions ¹² (visit www.ibm.com/pc/us/thinkpad/proven)											
1024x768	262K**	16M	16M	16M	16M	- Visit www.ibm.com/pc/us/thinkpad/series (U.S.) or www.ibm.com/pc/ca/thinkpad (CA)											
1280x1024	--	64K	--	--	--												
* Supports 1024x768 in virtual screen mode																	
** HPA screen on 1230 supports maximum of 97,336 colors																	

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Models withdrawn effective February 2001

No warranties are expressed or implied in this summary
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IBM® ThinkPad® i Series 1200-x1U - withdrawn

Name	Type-model	Processor	MHz	Mem	Screen	Disk	CD or DVD-ROM	Modem	Ethernet	Design	Preload	Avail
1200-11U	1161-11U	Celeron™	550	32MB	12.1" HPA SVGA	5GB ⁴	24X-10X ⁵ CD	modem optional	optional	Two-spindle	Millennium	Sept 2000
1200-41U	1161-41U	Celeron	550	64MB	12.1" TFT SVGA	5GB	24X-10X CD	modem optional	optional	Two-spindle	Millennium	Sept 2000
1200-51U	1161-51U	Celeron	600	64MB	12.1" TFT SVGA	10GB	8X-2X ⁵ DVD	modem optional	optional	Two-spindle	Millennium	Sept 2000
1200-71U	1161-71U	Celeron	600	64MB	13.3" TFT XGA	10GB	8X-2X DVD	modem optional	optional	Two-spindle	Millennium	Sept 2000
Processor	Intel® Mobile Celeron™ 550 or 600MHz¹ with 100MHz bus										WINDOWS MILLENNIUM PRELOAD¹⁶ - Microsoft® Windows® Millennium • ThinkPad Utilities • Easy Launch Buttons Utility • Access ThinkPad II • Owner Privileges 2.0 • ThinkPad Assistant • PC-Doctor™ • Mediamatics DVD (DVD models) • Norton Anti-Virus™ (OEM edition) • IBM Update Connector™ ¹⁴ • Quicken 2000 • Adobe Acrobat Reader • Earthlink® • Real Player G2 • America Online® ♦ Lotus® SmartSuite® Millennium CD-ROM ♦ Software Selections CD-ROM ♦ Recovery CD-ROM (Windows Millennium)	
L2 cache	128KB / onboard (at processor speed) / ECC											
Memory	32 or 64MB standard / 160 or 192MB max ¹⁷ / SDRAM / non-parity / 100MHz / PC 100 / std memory integrated / one 144-pin SO-DIMM available socket											
Diskette drive	None standard / optional USB Portable Diskette Drive											
CD-ROM	<i>Some models:</i> CD-ROM / 24X-10X ⁵ speed / bootable / not removable											
DVD	<i>Some models:</i> DVD-ROM ⁵ / 8X-2X ⁵ speed / bootable / not removable											
Ultrabay 2000	None											
Disk (removable)	5 or 10GB⁴ / S.M.A.R.T. ⁸											
Display	12.1" (308mm) SVGA (800x600) HPA color / High Performance Addressing 12.1" (308mm) SVGA (800x600) TFT color / Active Matrix 13.3" (338mm) XGA (1024x768) TFT color / Active Matrix											
Graphics controller	11U: Silicon Motion Inc (SMI) LynxEM+ SM712 / PCI / 2MB memory 41U/51U/71U: Silicon Motion Inc (SMI) LynxEM4+ SM712 / PCI / 4MB memory											
Graphics - external	11U: External SVGA to 1024x768x65,536 colors at 85Hz 41U/51U/71U: External SVGA to 1024x768x16.7million colors at 85Hz											
Keyboard	Full-size 87-key (multiple Fn key functions) / palm rest / ThinkPad Button and three customizable color-coded Easy Launch buttons¹⁸ / two Windows keys											
Pointing	TrackPoint® / Press-to-Select / Internet Scroll Bar											
ThinkLight	None											
UltraPort™ connectr	None											
Dimensions ¹⁹	Approximately 12.3 x 9.9 x 1.4"; 313 x 252 x 36mm											
Approximate weight ²	with CD or DVD drive and battery: 11U/41U: 5.9 lb (2.7 kg), 51U/71U: 6.2 lb (2.8 kg)											
Battery - type	NiMH 8-cell											
Battery - life ²¹	11U: 2.5 hr, 41U: 2.4 hr, 51U/71U: 2.3 hr											
Charge time ²¹ - on / off	5 hrs / 2 hrs											
Architecture	Intel 440MX chip set (memory, IDE, USB, PCI controllers) / PCI 2.1, 32-bit 33MHz (graphics, CardBus, Mini PCI) / O2® Micro 6812 for CardBus / ALI M5135 Super I/O (parallel) / audio and modem functions in software											
Port replicator	Optional IBM MultiPort USB Hub											
Docking Station	None											
PC Card Std slots	1 Type I, 1 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / Zoomed Video											
Ports	Two USB (Version 1.1) / parallel / keyboard / mouse / external DB-15 monitor / RJ-11 (modem) / no serial port											
Other features	56 watt AC Adapter											
Video in and out	None											
Modem	56K ³ V.90 / Lucent® chip set / AC97 modem codec											
Ethernet	None / optional via PC Card											
Audio support	SoundBlaster Pro™ support / CS4299 AC97 codec / display mounted stereo speakers / keyboard-based audio controls / no internal microphone / output jack (3.5 mm) / mic in jack											
Security	Power-on password / hard disk password / setup password / security keyhole											
Limited warranty ¹¹	1 year - EasyServ™ ⁹ onsite pickup and delivery courier service											
Warranty upgrade ¹⁵	On-site, Monday-Friday excluding holidays, 9 hours per day, next bus day response											
IBM Owner Privileges¹³ ENERGY STAR compliant Setup Guide, User's Reference, Windows manual Personalized Web-based support International Warranty Service ¹¹ 24 hour x 7 day ⁷ toll-free hardware support during the warranty												

Video Modes - 11U with 2MB memory					OPTIONS																	
Resolution	LCD		External Monitor			20L0253	20L0254	20L0255	00N8215	02K6680	02K6696	02K6545	02K6699	02K3381	05K9276	08L3147	00N8073					
	60Hz	75Hz	85Hz	60Hz	75Hz													85Hz				
640x480	97K	16M	16M	16M	16M	- 32MB SO DIMM 100MHz NP SDRAM	- 64MB SO DIMM 100MHz NP SDRAM	- 128M SO DIMM 100MHz NP SDRAM	- IBM MultiPort USB Hub	- 1200/1300 i Series NiMH Battery	- Dual Chemistry Battery Charger	- Ultralim 56 watt AC Adapter	- 72W AC Adapter	- 56W Car DC Adapter	- IBM USB Portable Diskette Drive	- IBM EtherJet PC Card	- IBM 340MB microdrive	Devices for IBM Portable Drive Bay 2000				
800x600	97K	16M	16M	16M	16M	- 1200/1300 i Series NiMH Battery	- Dual Chemistry Battery Charger	- Ultralim 56 watt AC Adapter	- 72W AC Adapter	- 56W Car DC Adapter	- IBM USB Portable Diskette Drive	- IBM EtherJet PC Card	- IBM 340MB microdrive	- Visit www.ibm.com/pc/us/accessories (U.S.) or www.ibm.com/pc/ca/accessories (CA)	- Visit www.ibm.com/pc/us/thinkpad/proven	- Visit www.ibm.com/pc/us/thinkpad/series (U.S.) or www.ibm.com/pc/ca/thinkpad (CA)	- Portable Drive Bay 2000	- SuperDisk (LS-120) UltraBay 2000	- 4X/4X/20X CD-Read/Write Ultrabay	- 6GB Ultrabay 2000 Disk Drive*	- 12GB Ultrabay 2000 Disk Drive*	- 18GB Ultrabay 2000 Disk Drive*
1024x768	64K*	64K	64K	64K	64K	- 1200/1300 i Series NiMH Battery	- Dual Chemistry Battery Charger	- Ultralim 56 watt AC Adapter	- 72W AC Adapter	- 56W Car DC Adapter	- IBM USB Portable Diskette Drive	- IBM EtherJet PC Card	- IBM 340MB microdrive	- Visit www.ibm.com/pc/us/thinkpad/series (U.S.) or www.ibm.com/pc/ca/thinkpad (CA)	- Visit www.ibm.com/pc/us/thinkpad/series (U.S.) or www.ibm.com/pc/ca/thinkpad (CA)	- Visit www.ibm.com/pc/us/thinkpad/series (U.S.) or www.ibm.com/pc/ca/thinkpad (CA)	- SuperDisk (LS-120) UltraBay 2000	- 4X/4X/20X CD-Read/Write Ultrabay	- 6GB Ultrabay 2000 Disk Drive*	- 12GB Ultrabay 2000 Disk Drive*	- 18GB Ultrabay 2000 Disk Drive*	
1280x1024	--	256	--	--	--	- 1200/1300 i Series NiMH Battery	- Dual Chemistry Battery Charger	- Ultralim 56 watt AC Adapter	- 72W AC Adapter	- 56W Car DC Adapter	- IBM USB Portable Diskette Drive	- IBM EtherJet PC Card	- IBM 340MB microdrive	- Visit www.ibm.com/pc/us/thinkpad/series (U.S.) or www.ibm.com/pc/ca/thinkpad (CA)	- Visit www.ibm.com/pc/us/thinkpad/series (U.S.) or www.ibm.com/pc/ca/thinkpad (CA)	- Visit www.ibm.com/pc/us/thinkpad/series (U.S.) or www.ibm.com/pc/ca/thinkpad (CA)	- SuperDisk (LS-120) UltraBay 2000	- 4X/4X/20X CD-Read/Write Ultrabay	- 6GB Ultrabay 2000 Disk Drive*	- 12GB Ultrabay 2000 Disk Drive*	- 18GB Ultrabay 2000 Disk Drive*	
* Supports 1024x768 in virtual screen mode																						
Video Modes - 41U/51U/71U with 4MB																						
Resolution	LCD		External Monitor																			
	60Hz	75Hz	85Hz	60Hz	75Hz	85Hz																
640x480	16M	16M	16M	16M	16M																	
800x600	16M	16M	16M	16M	16M																	
1024x768	16M	16M	16M	16M	16M																	
1280x1024	--	64K	--	--	--																	
* Supports 1024x768 in virtual screen mode for SVGA models																						

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 US models withdrawn from marketing effective May 2001

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IBM® ThinkPad® i Series 1200-x2U - withdrawn

Name	Type-model	Processor	MHz	Mem	Screen	Disk	CD or DVD-ROM	Modem	Ethernet	Design	Preload	Avail
1200-42U	1161-42U	Celeron™	600	64MB	12.1" TFT SVGA	10GB ⁴	24X-10X ⁵ CD	modem optional		Two-spindle	Millennium	Feb 2001
1200-62U	1161-62U	Pentium® III	700	64MB	12.1" TFT SVGA	10GB	8X-2X ⁵ DVD	modem optional		Two-spindle	Millennium	Feb 2001
1200-92U	1161-92U	Pentium III	700	64MB	13.3" TFT XGA	20GB	8X-2X DVD	modem optional		Two-spindle	Millennium	Feb 2001
Processor	Intel® Mobile Celeron™ 600MHz¹ with 100MHz Frontside Bus or Intel Mobile Pentium III 700MHz with 100MHz Frontside Bus										WINDOWS MILLENNIUM PRELOAD¹⁶ - Microsoft® Windows® Millennium • Notebook Manager II • Utility Wizard • Easy Buttons Utility • Client Manager Utility • Access ThinkPad 2.5 • ThinkPad Assistant • Owner Privileges 2.0 • PC-Doctor™ • Mediamatics DVD (DVD models) • Norton Anti-Virus™ (OEM edition) • IBM Update Connector™ ¹⁴ • Quicken 2001 • Adobe Acrobat Reader • Earthlink ⁶ • Real Player G2 • JUNO • MusicMatch Jukebox • America Online ⁵ ♦ Lotus® SmartSuite® Millennium CD-ROM ♦ Software Selections CD-ROM ♦ Recovery CD-ROM (Windows Millennium)	
L2 cache	Celeron: 128KB / onboard (at processor speed) / ECC Pentium III: 256KB / onboard (at processor speed) / ECC											
Memory	64MB standard / 192MB max ¹⁷ / SDRAM / non-parity / 100MHz / PC 100 / std memory integrated / one 144-pin SO-DIMM available socket											
Diskette drive	None standard / optional USB Portable Diskette Drive											
CD-ROM	<i>Some models:</i> CD-ROM / 24X-10X ⁵ speed / bootable / not removable											
DVD	<i>Some models:</i> DVD-ROM ⁵ / 8X-2X ⁵ speed / bootable / not removable											
Ultrabay 2000	None											
Disk (removable)	10 or 20GB⁴ / S.M.A.R.T. ⁸ / average seek 12 ms (read) / ATA-5 66MB/sec											
Display	12.1" (308mm) SVGA (800x600) TFT color / Active Matrix 13.3" (338mm) XGA (1024x768) TFT color / Active Matrix											
Graphics controller	42U: Silicon Motion Inc (SMI) LynxEM+ SM712 / PCI / 2MB memory 62U/92U: Silicon Motion Inc (SMI) LynxEM4+ SM712 / PCI / 4MB memory											
Graphics - external	42U: External SVGA to 1024x768x65,536 colors at 85Hz 62U/92U: External SVGA to 1024x768x16.7million colors at 85Hz											
Keyboard	Full-size 87-key (multiple Fn key functions) / palm rest / ThinkPad Button and three customizable color-coded Easy Launch buttons¹⁸ / two Windows keys											
Pointing	TrackPoint® / Press-to-Select / Internet Scroll Bar											
ThinkLight	None											
UltraPort™ connectr	None											
Dimensions ¹⁹	Approximately 12.3 x 9.9 x 1.4"; 313 x 252 x 36mm											
Approximate weight ²	with CD or DVD drive and battery: 42U: 5.95 lb (2.7 kg), 62U: 6.02 lb (2.7 kg) 92U: 6.06 lb (2.7 kg)											
Battery - type	42U: NiMH 8-cell, 62U/92U: Li-Ion											
Battery - life ²¹	42U: 2.6 hr, 62U/92U: 3.7 hr											
Charge time ²¹ - on / off	5 to 6 hrs / 2 to 3 hrs											
Architecture	Intel 440MX chip set (memory, IDE, USB, PCI controllers) / PCI 2.1, 32-bit 33MHz (graphics, CardBus, Mini PCI) / O ² Micro 6812 for CardBus / ALI M5135 Super I/O (parallel) / audio and modem functions in software											
Port replicator	Optional IBM MultiPort USB Hub											
Docking Station	None											
PC Card Std slots	1 Type I, 1 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / Zoomed Video											
Ports	Two USB (Version 1.1) / parallel / keyboard/mouse / external DB-15 monitor / RJ-11 (modem) / no serial port											
Other features	56 watt AC Adapter											
Video in and out	None											
Modem	56K ³ V.90 / Lucent® chip set on planar / AC97 modem codec / no Mini PCI											
Ethernet	None / optional via PC Card / no Mini PCI											
Audio support	SoundBlaster® Pro™ audio support / CS4299 AC97 codec / display-mounted stereo speakers / keyboard-based audio controls / no internal microphone / output jack (3.5 mm) / mic in jack											
Security	Power-on password / hard disk password / setup password / security keyhole											
Limited warranty ¹¹	1 year - carry-in or ThinkPad EasyServ™ ⁹ depot repair service via courier											
Warranty upgrade ¹⁵	On-site, Monday-Friday excluding holidays, 9 hours per day, next bus day response											

Video Modes - 42U with 2MB memory				OPTIONS			
Resolution	LCD		External Monitor		Options	Part Number	Description
	60Hz	75Hz	85Hz	85Hz			
640x480	97K	16M	16M	16M	- 64MB SO DIMM 100MHz NP SDRAM	20L0254	Devices for IBM Portable Drive Bay 2000
800x600	97K	16M	16M	16M	- 128M SO DIMM 100MHz NP SDRAM	20L0255	
1024x768	64K*	64K	64K	64K	- IBM MultiPort USB Hub	00N8215	- Portable Drive Bay 2000 19K4480
1280x1024	--	256	--	--	- i Series NiMH Battery 8-cell	02K6680	- 2X SuperDisk (LS-120) UltraBay 27L3451
* Supports 1024x768 in virtual screenmode					- i Series Li-Ion Battery 8-cell	02K6728	- 8X/8X/24X CD-Read/Write Ultrabay 08K9569
					- i Series Battery Charger	02K6725	- 10GB Ultrabay 2000 Disk Drive* 08K9510
					- Ultralim 56 watt AC Adapter	02K6545	- 20GB Ultrabay 2000 Disk Drive* 27L3439
					- 72W AC Adapter	02K6699	- 32GB Ultrabay 2000 Disk Drive* 08K9511
					- 56W Car DC Adapter	02K3381	*requires Second Hard Disk Drive Adapter 08K6068
					- IBM USB Portable Diskette Drive	05K9276	
					- IBM USB Mobile Mouse	33L3243	
					- IBM 10/100 EtherJet CardBus Adapter	08L3147	
					- 10/100 CardBus PC Card (cabled)	09N3701	
					- 10/100 CardBus Adptr XJACK 3Com	09N9801	- Visit ibm.com/options (U.S.) or ibm.com/pc/ca/accessories (CA)
					- IBM 8MB USB Memory Key	19K4513	
					- 1GB Microdrive	07N5574	
					- USB to Parallel Printer Cable	19K4164	- ThinkPad Proven™ solutions ¹² (visit ibm.com/pc/thinkpad/proven)
					- IBM High Rate Wireless PC Card 128	09N9904	
					- High Rate Wireless Access Pt 500	09N9906	
					- Bluetooth PC Card from IBM	09N9812	

All trademarks are the property of their respective owners
Models withdrawn effective July 2001

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IBM® ThinkPad® i Series 1200 (Spring 2001) - withdrawn

Type-model	Processor	MHz	Mem	Screen	Disk	Optical	Modem	LAN	Design	Preload	Office Software	Available
1161-43U	Celeron™	700	64MB	13.3" TFT XGA	10GB ⁴	CD-ROM ⁵	Modem	None	Two-spindle	Millennium	SmartSuite	May 2001
1161-53U	Celeron	700	64MB	13.3" TFT XGA	10GB	CD-ROM	Modem	None	Two-spindle	Millennium	SmartSuite, Office XP	Aug 2001

Processor	Intel® Mobile Celeron™ 700MHz¹ with 100MHz Front Side Bus	OPERATING SYSTEM PRELOAD¹⁶ Windows Millennium models - Microsoft® Windows® Millennium Edition - Disk-to-Disk Recovery (in hidden Service Partition)
L2 cache	128KB / on die (at processor speed) / ECC	
Memory	64MB standard / 192MB maximum ¹⁷ / SDRAM / non-parity / PC100 / 8MB utilized for video / standard memory integrated / one 144-pin SO-DIMM socket available	ADDITIONAL PRELOADED SOFTWARE • Utility Wizard • Notebook Manager II • Easy Buttons Utility • Access ThinkPad 2.5 • ThinkPad Assistant • IBM Owner Privileges • PC-Doctor™ • Norton AntiVirus™ (OEM edition) • IBM Update Connector™.14 • Quicken 2001 • Adobe Acrobat Reader • Earth Link • Earth Link Premium • Juno • MusicMatch Jukebox • America Online - <i>Some:</i> Microsoft Office XP Small Business ²⁸ (Word, Excel, Outlook, Publisher, Small Business Tools) - <i>Some:</i> Microsoft Office XP Small Business CD - Lotus® SmartSuite® Millennium CD
Diskette drive	None standard / optional USB Portable Diskette Drive	
CD-ROM	CD-ROM / 24X-10X ⁵ speed / bootable / not removable	
Ultrabay™ 2000	None / optional USB or PC Card attach Portable Drive Bay 2000	
Disk (removable)	10GB⁴ / S.M.A.R.T. ⁸ / average seek 12 ms (read) / ATA-5 66MB/sec	
Display	13.3" (338mm) XGA (1024x768) TFT color / Active Matrix	
Graphics controller	Trident® CyberBlade Aladdin i1 / in M1632M Northbridge / 2X AGP 3D graphics / Unified Memory Architecture (UMA uses main 8MB of system memory) / MPEG2	
Graphics - external	External SVGA to 1024x768x16.7million colors at 85Hz	
Keyboard	85-key (multiple Fn key functions) / palm rest / ThinkPad Button and three customizable color-coded Easy Launch buttons¹⁸ / pitch: 18mm; stroke: 2.3mm	
Pointing	TrackPoint® / Press-to-Select / Internet Scroll Bar	
ThinkLight™	None	
UltraPort™ connectr	None	
Dimensions (WxDxH) ¹⁹	Approximately 12.3 x 9.9 x 1.4" / 313 x 252 x 36mm	
Approximate weight ²	with CD and battery: 6.0lb / 2.7 kg	
Battery - type	NiMH 8-cell / 9.6V x 4.5Ah / supports Li-Ion	
Battery - life ²¹	2.4hrs	
Charge time ²¹ - on / off	5hrs / 2hrs	
AC adapter	56 watt universal AC adapter	
Architecture	ALi chipset / M1632M Northbridge (memory, graphics, PCI) / M1535+ Southbridge (IDE, USB, parallel, audio, Mini PCI, power management) / PCI 2.1, 32-bit 33MHz / O2® Micro OZ6812 for CardBus	
Port replicator	Optional IBM MultiPort USB Hub	
Docking Station	None	
PC Card Std slots	1 Type I, Type II, or Type III / CardBus 32-bit / PCMCIA 2.1 / Zoomed Video	
Ports	Two USB (Version 1.1) / parallel / keyboard / mouse / DB-15 monitor / RJ-11 (modem) / RJ-45 (ethernet models) / no serial port	
Modem	56K ³ V.90 / Lucent® CSP1037B / AC97 modem codec	
LAN	None	
Audio support	SoundBlaster® Pro™ audio support / CS4299 AC97 codec / 32 voice wave table / stereo speakers in cover on bottom of display / keyboard-based audio controls / no internal microphone / stereo output jack (3.5 mm) / mono mic in jack (3.5mm)	
Security	Power-on password / hard disk password / setup password / security keyhole	
Limited warranty ¹¹	1 year - customer carry in or EasyServ™.9 onsite pickup and delivery courier service	
Service options ¹⁵	On-site, Mon-Fri excluding holidays, 8 hours per day, next bus day response	

Video Modes with 8MB			OPTIONS		
Resolution	LCD	External Monitor	- 64MB SO DIMM 100MHz NP SDRAM	20L0254	Devices for IBM Portable Drive Bay 2000
	TFT	60Hz 75Hz 85Hz	- 128M SO DIMM 100MHz NP SDRAM	20L0255	- SuperDisk (LS-240) Drive UltraBay
640x480	16M	16M 16M 16M	- i Series NiMH Battery 8-cell	02K6680	- 8X/4X/24X CD-Read/Write Ultrabay
800x600	16M	16M 16M 16M	- i Series Li-Ion Battery 8-cell	02K6728	- 15GB Ultrabay 2000 Disk Drive**
1024x768	16M*	16M 16M 16M	- i Series Battery Charger	02K6725	- 30GB Ultrabay 2000 Disk Drive**
1280x1024	--	64K -- --	- Ultralim 56 watt AC Adapter	02K6545	- 32GB Ultrabay 2000 Disk Drive**
			- 72W AC Adapter	02K6699	** requires Hard Disk Drive Adapter
			- 56W Car DC Adapter	02K3381	- ServicePac® 1yr IOR 9x5 NBD
			- IBM MultiPort USB Hub	00N8215	- ServicePac 2yr IOR 9x5 NBD
			- IBM USB Portable Diskette Drive	05K9276	- ServicePac 3yr IOR 9x5 NBD
			- IBM USB Mobile Mouse	33L3243	
			- USB to Parallel Printer Cable	19K4164	
			- IBM 8MB USB Memory Key	19K4513	
			- IBM 10/100 EtherJet CardBus Adapter	08L3147	
			- 10/100 CardBus PC Card (cabled)	09N3701	
			- 10/100 CardBus Adptr XJACK 3Com	09N9801	
			- IBM High Rate Wireless PC Card 128	09N9904	
			- High Rate Wireless Access Pt 500	09N9906	
			- Bluetooth PC Card from IBM	09N9812	
			- 1GB Microdrive	07N5574	
			- Portable Drive Bay 2000	19K4480	
ENERGY STAR compliant					
Setup Guide, User's Reference, Windows manual					
Personalized Web-based support					
International Warranty Service ¹¹					
24 hour x 7 day ⁷ toll-free hardware support during the warranty					
World Wide Web: ibm.com/thinkpad					
Buy Direct: 1 888 SHOP-IBM ext 7874					

* For a copy of IBM's Statement of Limited Warranty, call 1-800-772-2227
US model announced May 15, 2001 or August 7, 2001
US models withdrawn effective November 2001

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IBM® ThinkPad® i Series 1330, 1370 - withdrawn

Name	Type-model	Processor	MHz	Mem	Screen	Disk	CD-ROM	Modem	Ethernet	Design	Preload	Avail
1330	1171-330	Celeron	500/100	64MB	12.1" TFT SVGA	6GB ⁴	24X-10X ⁵	modem	10/100	Two-spindle	Win2000	June 2000
1370	1171-370	Celeron	550/100	64MB	13.3" TFT XGA	12GB	24X-10X	modem	10/100	Two-spindle	Win2000	June 2000
Processor	Intel® Mobile Celeron™ 500 or 550MHz¹ with 100MHz bus											
L2 cache	128KB / onboard (at processor speed) / ECC											
Memory	64MB standard / 192MB maximum ¹⁷ / SDRAM / non-parity / 100MHz / PC 100 / std memory integrated / one 144-pin SO-DIMM available socket											
Diskette drive	None standard / optional USB Portable Diskette Drive											
CD-ROM	CD-ROM / 24X-10X ⁵ speed / bootable / not removable											
Ultrabay 2000	None											
Disk (removable)	6.0 or 12.0GB⁴ / S.M.A.R.T. ⁸											
Display	12.1" (308mm) SVGA (800x600) TFT color / Active Matrix 13.3" (338mm) XGA (1024x768) TFT color / Active Matrix											
Graphics controller	Silicon Motion Inc (SMI) LynxEM4+ SM712 / PCI / 4MB memory											
Graphics - external	External SVGA to 1024x768x16.7million colors at 85Hz											
Keyboard	Full-size 87-key (multiple Fn key functions) / palm rest / four customizable color-coded Easy Launch buttons¹⁸ / two Windows keys											
Pointing	TrackPoint® / Press-to-Select / Internet Scroll Bar											
ThinkLight	None											
UltraPort™ connectr	None											
Dimensions ¹⁹	1330: approximately 12.3 x 9.9 x 1.44"; 313 x 252 x 36.6mm 1370: approximately 12.3 x 9.9 x 1.39"; 313 x 252 x 35.4mm											
Approximate weight ²	with CD drive and battery: 1330: 6.0 lb (2.7 kg), 1370: 6.2 lb (2.8 kg)											
Battery - type	NiMH 8-cell											
Battery - life ²¹	2.6 hr											
Charge time ²¹ - on / off	5 hrs / 2.5 hrs											
Architecture	Intel 440MX chip set (memory, IDE, USB, PCI controllers) / PCI 2.1, 32-bit 33MHz (graphics, CardBus, Mini PCI) / O2 [®] Micro 6812 for CardBus / ALI M5135 Super I/O (diskette, serial, parallel) / audio and modem functions in software											
Port replicator	None											
Docking Station	None											
PC Card Std slots	1 Type I, 1 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / Zoomed Video											
Ports	Two USB (Version 1.1) / parallel / keyboard / mouse / external DB-15 monitor / RJ-11 (modem) / RJ-45 (ethernet) / no serial port											
Other features	56 watt AC Adapter											
Video in and out	None											
Modem	56K ³ V.90 / Lucent [®] chip set / AC97 modem codec											
Ethernet	10/100 Mini PCI ethernet adapter / Intel ethernet chipset											
Audio support	SoundBlaster Pro™ support / CS4229 AC97 codec / display mounted stereo speakers / keyboard-based audio controls / no internal microphone / output jack (3.5 mm) / mic in jack											
Security	Power-on password / hard disk password / setup password / security keyhole											
Limited warranty ¹¹	1 year - carry-in or ThinkPad EasyServ™ ⁹ depot repair service via courier											
Warranty upgrade ⁷	On-site, Monday-Friday excluding holidays, 9 hours per day, next bus day response											
WINDOWS PRELOAD¹⁶												
<ul style="list-style-type: none"> - Microsoft® Windows® 2000 Professional • Microsoft Office 2000 Small Business • ThinkPad Utilities • Easy Buttons Utility • Access ThinkPad • IBM Owner Privileges • Online User's Guide • PC-Doctor™ • RingCentral Fax • Netscape Communicator • ThinkPad on the Net • ConfigSafe[®] • Norton Anti-Virus™ (OEM edition) • IBM Update Connector™¹⁴ • Quicken 2000 • Adobe Acrobat Reader • Real Player G2 ◇ Software Selections CD-ROM ◇ Recovery CD-ROM 												
<p>IBM Owner Privileges¹³ ENERGY STAR compliant Setup Guide, User's Reference, Windows manual Personalized Web-based support International Warranty Service¹¹ 24 hour x 7 day⁷ toll-free hardware support during the warranty</p>												

Video Modes with 4MB				OPTIONS									
Resolution	LCD		External Monitor			Options	Part Numbers						
	262K	640x480	60Hz	75Hz	85Hz								
640x480	262K	16M	16M	16M	16M	- 32MB SO DIMM 100MHz NP SDRAM	20L0253						
800x600	262K	16M	16M	16M	16M	- 64MB SO DIMM 100MHz NP SDRAM	20L0254						
1024x768	262K*	16M	16M	16M	16M	- 128MB SO DIMM 100MHz NP SDRAM	20L0255						
1280x1024	--	64K	--	--	--	- IBM MultiPort USB Hub	00N8215						
<ul style="list-style-type: none"> - 1200/1300 i Series NiMH Battery - Dual Chemistry Battery Charger - Ultralim 56 watt AC Adapter - 56W Car DC Adapter - IBM USB Portable Diskette Drive - IBM EtherJet PC Card - IBM 340MB microdrive 							02K6680						
							02K6696						
							02K6545						
							02K3381						
							05K9276						
							08L3147						
							00N8073						
							<ul style="list-style-type: none"> - Visit www.ibm.com/pc/us/accessories (U.S.) or www.ibm.com/pc/ca/accessories (CA) - ThinkPad Proven™ solutions¹² (visit www.ibm.com/pc/us/thinkpad/proven) - Visit www.ibm.com/pc/us/thinkpad/series (U.S.) or www.ibm.com/pc/ca/thinkpad (CA) 						
							<ul style="list-style-type: none"> - Portable Drive Bay 2000 - SuperDisk (LS-120) UltraBay 2000 - 24X-10X CD-ROM Ultrabay 2000 - 4X/4X/20X CD-Read/Write Ultrabay - 6GB Ultrabay 2000 Disk Drive* - 12GB Ultrabay 2000 Disk Drive* - 18GB Ultrabay 2000 Disk Drive* 						
							<ul style="list-style-type: none"> 19K4480 05K9236 05K9233 00N8252 05K9237 05K9238 05K9239 						
* requires Second Hard Disk Drive Adapter													
08K6068													

IBM® ThinkPad® i Series 1300-x1U - withdrawn

Name	Type-model	Processor	MHz	Mem	Screen	Disk	CD-ROM	Modem	LAN	Design	Preload	Avail
1300-21U	1171-21U	Celeron™	550	64MB	12.1" HPA SVGA	5GB ⁴	24X-10X ⁵	modem	802.11b	Two-spindle	Millennium	Oct 00
1300-2AU	1171-2AU	Celeron	550	64MB	12.1" HPA SVGA	5GB	24X-10X	modem	802.11b	Two-spindle	Millennium**	Oct 00
1300-61U	1171-61U	Celeron	600	64MB	12.1" TFT SVGA	10GB	24X-10X	modem	10/100	Two-spindle	Win2000	Sept 00
1300-71U	1171-71U	Celeron	550	64MB	13.3" TFT XGA	5GB	24X-10X	modem	802.11b	Two-spindle	Millennium	Oct 00
1300-91U	1171-91U	Pentium® III	650	64MB	13.3" TFT XGA	20GB	24X-10X	modem	10/100	Two-spindle	Win2000	Sept 00

Processor	Intel® Mobile Celeron™ 550 or 600MHz¹ with 100MHz bus or Intel Mobile Pentium III 650MHz with 100MHz bus	WINDOWS MILLENNIUM PRELOAD¹⁶ <ul style="list-style-type: none"> - Microsoft® Windows® Millennium • ThinkPad Utilities • Easy Launch Buttons Utility • Access ThinkPad II • Owner Privileges 2.0 • PC-Doctor™ • Netscape® Communicator • Norton Anti-Virus™ (OEM edition) • IBM Update Connector™¹⁴ • Quicken 2000 • Adobe Acrobat Reader • Earthlink⁶ • Real Player G2 • America Online⁶ WINDOWS 2000 PRELOAD¹⁶ <ul style="list-style-type: none"> - Microsoft® Windows® 2000 Professional • Microsoft Office 2000 Small Business • ThinkPad Utilities • Easy Buttons Utility • Access ThinkPad II • ThinkPad Assistant • IBM Owner Privileges • Online User's Guide • PC-Doctor™ • Netscape Communicator • ConfigSafe® • Norton Anti-Virus™ (OEM edition) • IBM Update Connector™¹⁴ • Quicken 2000 • Adobe Acrobat Reader • Real Player G2 <ul style="list-style-type: none"> ◇ Lotus® SmartSuite® Millennium CD-ROM ◇ Software Selections CD-ROM ◇ Recovery CD-ROM
L2 cache	Celeron: 128KB / onboard (at processor speed) / ECC Pentium III: 256KB / onboard (at processor speed) / ECC	
Memory	64MB standard / 192MB maximum¹⁷ / SDRAM / non-parity / 100MHz / PC 100 / std memory integrated / one 144-pin SO-DIMM available socket	
Diskette drive	None standard / optional USB Portable Diskette Drive	
CD-ROM	CD-ROM / 24X-10X⁵ speed / bootable / not removable	
Ultrabay™ 2000	None	
Disk (removable)	5, 10, or 20GB⁴ / ATA-66 / S.M.A.R.T.⁸	
Display	12.1" (308mm) SVGA (800x600) HPA color / High Performance Addressing 12.1" (308mm) SVGA (800x600) TFT color / Active Matrix 13.3" (338mm) XGA (1024x768) TFT color / Active Matrix	
Graphics controller	Silicon Motion Inc (SMI) LynxEM4+ SM712 / PCI / 4MB memory	
Graphics - external	External SVGA to 1024x768x16.7million colors at 85Hz	
Keyboard	Full-size 87-key (multiple Fn key functions) / palm rest / ThinkPad Button and three customizable color-coded Easy Launch buttons¹⁸ / two Windows keys	
Pointing	TrackPoint® / Press-to-Select / Internet Scroll Bar	
ThinkLight	None	
UltraPort™ connectr	None	
Dimensions ¹⁹	Approximately 12.3 x 9.9 x 1.4"; 313 x 252 x 36mm	
Approximate weight ²	with CD and battery: 6.0 lb (2.7 kg), some models slightly heavier	
Battery - type	NiMH 8-cell	
Battery - life ²¹	2xx: 2.5 hr, 61U: 2.3 hr, 71U: 2.6 hr, 91U: 2.9 hr	
Charge time ²¹ - on / off	5 hrs / 2 hrs	
Architecture	Intel 440MX chip set (memory, IDE, USB, PCI controllers) / PCI 2.1, 32-bit 33MHz (graphics, CardBus, Mini PCI) / O2® Micro 6812 for CardBus / ALI M5135 Super I/O (parallel) / audio and modem functions in software	
Port replicator	Optional IBM MultiPort USB Hub	
Docking Station	None	
PC Card Std slots	1 Type I, 1 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / Zoomed Video	
Ports	Two USB (Version 1.1) / parallel / keyboard / mouse / external DB-15 monitor / RJ-11 (modem) / RJ-45 (ethernet) / no serial port	
Other features	56 watt AC Adapter	
Video in and out	None	
Modem	56K³ V.90 / Lucent® chip set / AC97 modem codec	
LAN	21U/2AU/71U: 802.11b wireless / Mini PCI adapter / Lucent® chip set 61U/91U: 10/100 Mini PCI ethernet adapter / Intel ethernet chipset	
Audio support	SoundBlaster Pro™ support / CS4299 AC97 codec / display mounted stereo speakers / keyboard-based audio controls / no internal microphone / output jack (3.5 mm) / mic in jack	
Security	Power-on password / hard disk password / setup password / security keyhole	
Limited warranty ¹¹	1 year - EasyServ™⁹ onsite pickup and delivery courier service	
Warranty upgrade ¹⁵	On-site, Monday-Fri excluding holidays, 9 hours per day, next bus day response	

Video Modes with 4MB			LCD		External Monitor			OPTIONS	
Resolution	HPA	TFT	60Hz	75Hz	85Hz				
640x480	97K	16M	16M	16M	16M	- 32MB SO DIMM 100MHz NP SDRAM	20L0253	Devices for IBM Portable Drive Bay 2000	
800x600	97K	16M	16M	16M	16M	- 64MB SO DIMM 100MHz NP SDRAM	20L0254	- Portable Drive Bay 2000	19K4480
1024x768	97K*	16M*	16M	16M	16M	- 128M SO DIMM 100MHz NP SDRAM	20L0255	- 2X SuperDisk (LS-120) UltraBay	27L3451
1280x1024	--	--	16M	16M	16M	- IBM MultiPort USB Hub	00N8215	- 4X/4X/20X CD-Read/Write Ultrabay	00N8252
			64K	--	--	- 1200/1300 i Series NiMH Battery	02K6680	- 10GB Ultrabay 2000 Disk Drive*	08K9510
						- Dual Chemistry Battery Charger	02K6696	- 20GB Ultrabay 2000 Disk Drive*	27L3439
						- UltraSlim 56 watt AC Adapter	02K6545		
						- 56W Car DC Adapter	02K3381	* Requires Second Hard Disk Drive Adapter	
						- IBM USB Portable Diskette Drive	05K9276	08K6068	
						- IBM 340MB microdrive	00N8073		
						- IBM USB Mobile Mouse	33L3243		

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US models withdrawn from marketing effective May 2001

No warranties are expressed or implied in this summary
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* Supports 1024x768 in virtual screen mode for SVGA models

- Visit www.ibm.com/pc/us/accessories (U.S.) or www.ibm.com/pc/ca/accessories (CA)

- ThinkPad Proven™ solutions¹² (visit www.ibm.com/pc/us/thinkpad/proven)

- Visit www.ibm.com/pc/us/thinkpad/series (U.S.) or www.ibm.com/pc/ca/thinkpad (CA)

** The Anytime, Anywhere Learning (AAL) program promotes an affordable, mobile computing solution for students, parents and teachers by using Microsoft Office 2000 Standard (Academic Edition) including Word 2000, Excel 2000, Outlook 2000, and PowerPoint 2000. The program allows qualified individuals associated with an accredited participating school (grade K-12) to buy select 1300 model ThinkPad notebooks at a low price.²²

IBM Owner Privileges¹³
ENERGY STAR compliant
Setup Guide, User's Reference, Windows manual
Personalized Web-based support
International Warranty Service¹¹
24 hour x 7 day⁷ toll-free hardware support during the warranty

IBM® ThinkPad® i Series 1300 (February 2001) - withdrawn

Name	Type-model	Processor	MHz	Mem	Screen	Disk	CD-ROM	Modem	LAN	Design	Preload	Avail
1300-5WU	1171-5WU	Celeron™	650	64MB	12.1" TFT SVGA	10GB ⁴	24X-10X ⁵	modem	802.11b	Two-spindle	Millennium	Feb 01
1300-5BU	1171-5BU	Celeron	650	64MB	12.1" TFT SVGA	10GB	24X-10X	modem	802.11b	Two-spindle	Millennium**	Feb 01
1300-5YU	1171-5YU	Celeron	650	64MB	12.1" TFT SVGA	10GB	24X-10X	modem	802.11b	Two-spindle	2000, Small Bus	Mar 01
1300-7WU	1171-7WU	Celeron	700	64MB	13.3" TFT XGA	10GB	24X-10X	modem	802.11b	Two-spindle	Millennium	Feb 01
1300-7YU	1171-7YU	Celeron	700	64MB	13.3" TFT XGA	10GB	24X-10X	modem	802.11b	Two-spindle	2000, Small Bus	Mar 01
1300-6LU	1171-6LU	Pentium® III	700	64MB	12.1" TFT SVGA	10GB	24X-10X	modem	10/100	Two-spindle	Windows® 2000	Feb 01
1300-6KU	1171-6KU	Pentium III	700	64MB	12.1" TFT SVGA	10GB	24X-10X	modem	10/100	Two-spindle	2000, Small Bus	Mar 01
1300-9LU	1171-9LU	Pentium III	700	64MB	13.3" TFT XGA	20GB	24X-10X	modem	10/100	Two-spindle	Windows 2000	Feb 01
1300-9KU	1171-9KU	Pentium III	700	64MB	13.3" TFT XGA	20GB	24X-10X	modem	10/100	Two-spindle	2000, Small Bus	Mar 01

Processor	Intel® Mobile Celeron™ 650 or 700MHz¹ with 100MHz bus or Intel Mobile Pentium III 700MHz with 100MHz bus								WINDOWS MILLENNIUM PRELOAD¹⁶			
L2 cache	Celeron: 128KB / onboard (at processor speed) / ECC Pentium III: 256KB / onboard (at processor speed) / ECC								- Microsoft® Windows® Millennium • Notebook Manager II • Utility Wizard • Easy Buttons Utility • Client Manager Utility • Access ThinkPad 2.5 • ThinkPad Assistant • Owner Privileges 2.0 • PC-Doctor™ • Norton AntiVirus™ (OEM edition) • IBM Update Connector™ ¹⁴			
Memory	64MB standard / 192MB maximum ¹⁷ / SDRAM / non-parity / 100MHz / PC 100 / std memory integrated / one 144-pin SO-DIMM available socket								• Quicken 2001 • Adobe Acrobat Reader • Earthlink® • Real Player G2 • JUNO • MusicMatch Jukebox • America Online® ◇ Lotus® SmartSuite® Millennium CD-ROM ◇ Software Selections CD-ROM ◇ Recovery CD-ROM			
Diskette drive	None standard / optional USB Portable Diskette Drive								WINDOWS 2000 PRELOAD¹⁶			
CD-ROM	CD-ROM / 24X-10X ⁵ speed / bootable / not removable								- Microsoft® Windows® 2000 Professional - <i>Some models:</i> Office 2000 Small Business (Word, Excel, Outlook, Publisher, Small Business Tools) preloaded and CD-ROM • Utility Wizard • Easy Buttons Utility • Access ThinkPad 2.5 • ThinkPad Assistant • Owner Privileges 2.0 • PC-Doctor™ • Norton AntiVirus™ (OEM edition) • IBM Update Connector™ ¹⁴ • Quicken 2001 • ConfigSafe® • Adobe Acrobat Reader • Real Player G2 • MusicMatch Jukebox			
Ultrabay™ 2000	None								◇ Lotus® SmartSuite® Millennium CD			
Disk (removable)	10 or 20GB⁴ / S.M.A.R.T. ⁸ / average seek 12 ms (read) / ATA-5 66MB/sec								◇ Software Selections CD-ROM ◇ Recovery CD-ROM			
Display	12.1" (308mm) SVGA (800x600) TFT color / Active Matrix 13.3" (338mm) XGA (1024x768) TFT color / Active Matrix								◇ Disk-to-Disk Recovery (in hidden Service Partition)			
Graphics controller	Silicon Motion Inc (SMI) LynxEM4+ SM712 / PCI / 4MB memory											
Graphics - external	External SVGA to 1024x768x16.7million colors at 85Hz											
Keyboard	Full-size 87-key (multiple Fn key functions) / palm rest / ThinkPad Button and three customizable color-coded Easy Launch buttons¹⁸ / two Windows keys											
Pointing	TrackPoint® / Press-to-Select / Internet Scroll Bar											
ThinkLight™	None											
UltraPort™ connectr	None											
Dimensions ¹⁹	Approximately 12.3 x 9.9 x 1.4"; 313 x 252 x 36mm											
Approximate weight ²	with CD and battery: 5.9 lb (2.67 kg)											
Battery - type	Li-Ion 8-cell											
Battery - life ²¹	5xx: 3.4 hr, 7xx: 3.2 hr, 6xx/9xx: 3.7 hr											
Charge time ²¹ - on / off	6 hrs / 3 hrs											
Architecture	Intel 440MX chip set (memory, IDE, USB, PCI controllers) / PCI 2.1, 32-bit 33MHz (graphics, CardBus, Mini PCI) / O2® Micro 6812 for CardBus / ALI M5135 Super I/O (parallel) / audio and modem functions in software											
Port replicator	Optional IBM MultiPort USB Hub											
Docking Station	None											
PC Card Std slots	1 Type I, 1 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / Zoomed Video											
Ports	Two USB (Version 1.1) / parallel / keyboard/mouse / external DB-15 monitor / RJ-11 (modem) / RJ-45 (ethernet models) / no serial port											
Other features	56 watt AC Adapter											
Video in and out	None											
Modem	56K ³ V.90 / Lucent® chip set on planar / AC97 modem codec											
LAN	5xx/7xx: 802.11b wireless / Mini PCI adapter / Lucent® chip set 6xx/9xx: 10/100 Mini PCI ethernet adapter / Intel 82559 ethernet chipset											
Audio support	SoundBlaster® Pro™ audio support / CS4299 AC97 codec / display mounted stereo speakers / keyboard-based audio controls / no internal microphone / output jack (3.5 mm) / mic in jack											
Security	Power-on password / hard disk password / setup password / security keyhole											
Limited warranty ¹¹	1 year - EasyServ™ ⁹ onsite pickup and delivery courier service											
Warranty upgrade ¹⁵	On-site, Monday-Fri excluding holidays, 9 hours per day, next bus day response											

Video Modes with 4MB			LCD		External Monitor			OPTIONS									
Resolution	TFT	60Hz	75Hz	85Hz													
640x480	16M	16M	16M	16M													
800x600	16M	16M	16M	16M													
1024x768	16M*	16M	16M	16M													
1280x1024	--	64K	--	--													
* Supports 1024x768 in virtual screen mode for SVGA models																	
** The Anytime, Anywhere Learning (AAL) program promotes an affordable, mobile computing solution for students, parents and teachers by using Microsoft Office 2000 Standard (Academic Edition) including Word 2000, Excel 2000, Outlook 2000, and PowerPoint 2000. The program allows qualified individuals associated with an accredited participating school (grade K-12) to buy select 1300 model ThinkPad notebooks at a low price. ²²								- 64MB SO DIMM 100MHz NP SDRAM 20L0254					Devices for IBM Portable Drive Bay 2000				
								- 128M SO DIMM 100MHz NP SDRAM 20L0255					- Portable Drive Bay 2000 19K4480				
								- IBM MultiPort USB Hub 00N8215					- 2X SuperDisk (LS-120) UltraBay 27L3451				
								- i Series NiMH Battery 8-cell 02K6680					- 8X/8X/24X CD-Read/Write Ultrabay 08K9569				
								- i Series Li-Ion Battery 8-cell 02K6728					- 10GB Ultrabay 2000 Disk Drive* 08K9510				
								- i Series Battery Charger 02K6725					- 20GB Ultrabay 2000 Disk Drive* 27L3439				
								- Ultralim 56 watt AC Adapter 02K6545					- 32GB Ultrabay 2000 Disk Drive* 08K9511				
								- 72W AC Adapter 02K6699					* requires Second Hard Disk Drive Adapter 08K6068				
								- 56W Car DC Adapter 02K3381									
								- IBM USB Portable Diskette Drive 05K9276									
- IBM USB Mobile Mouse 33L3243																	
- IBM 10/100 EtherJet CardBus Adapter 08L3147																	
- 10/100 CardBus PC Card (cabled) 09N3701																	
- 10/100 CardBus Adptr XJACK 3Com 09N9801																	
- IBM 8MB USB Memory Key 19K4513																	
- 1GB Microdrive 07N5574																	
- USB to Parallel Printer Cable 19K4164																	
- IBM High Rate Wireless PC Card 128 09N9904																	
- High Rate Wireless Access Pt 500 09N9906																	
- Bluetooth PC Card from IBM 09N9812																	
ENERGY STAR compliant																	
Setup Guide, User's Reference, Windows manual																	
Personalized Web-based support																	
International Warranty Service ¹¹																	
24 hour x 7 day ⁷ toll-free hardware support during the warranty																	
World Wide Web: ibm.com/thinkpad																	
Buy Direct: 1 888 SHOP-IBM ext 7874																	

IBM® ThinkPad® i Series 1300 (Spring 2001) - withdrawn

Type-model	Processor	MHz	Mem	Screen	Disk	Optical	Modem	LAN	Design	Preload	Office Software	Available
1171-4MU	Celeron™	700	64M	13.3" TFT XGA	10G ⁴	CD-ROM ⁵	Modem	10/100	Two-spindle	Millennium	SmartSuite	May 2001
1171-6MU	Pentium® III	750	64M	13.3" TFT XGA	10G	CD-ROM	Modem	10/100	Two-spindle	Windows® 2000	SmartSuite	May 2001
1171-8MU	Pentium III	750	64M	13.3" TFT XGA	20G	CD-RW	Modem	10/100	Two-spindle	Millennium	SmartSuite	May 2001
1171-9MU	Pentium III	750	64M	13.3" TFT XGA	20G	CD-RW	Modem	10/100	Two-spindle	Windows 2000	SmartSuite	May 2001
1171-5XU	Celeron	700	64M	13.3" TFT XGA	10G	CD-ROM	Modem	802.11b	Two-spindle	Millennium	SmartSuite	May 2001
1171-6XU	Celeron	700	64M	13.3" TFT XGA	10G	CD-RW	Modem	802.11b	Two-spindle	Millennium	SmartSuite	May 2001
1171-8XU	Pentium III	750	64M	13.3" TFT XGA	20G	CD-RW	Modem	802.11b	Two-spindle	Windows 2000	SmartSuite	May 2001
1171-9XU	Pentium III	750	64M	13.3" TFT XGA	20G	CD-RW	Modem	802.11b	Two-spindle	Millennium	SmartSuite	May 2001
1171-5CU*	Celeron	700	64M	13.3" TFT SVGA	10G	CD-ROM	Modem	802.11b	Two-spindle	Millennium	Office Std Acad	May 2001
1171-6NU	Pentium III	750	64M	13.3" TFT XGA	10G	CD-ROM	Modem	10/100	Two-spindle	Windows 2000	SmartSuite, XP	Aug 2001
1171-8ZU	Pentium III	750	64M	13.3" TFT XGA	20G	CD-RW	Modem	802.11b	Two-spindle	Windows 2000	SmartSuite, XP	Aug 2001

Processor	Intel® Mobile Celeron™ 700MHz¹ with 100MHz Front Side Bus or Intel Mobile Pentium III 700 or 750MHz with SpeedStep™ technology with 100MHz Front Side Bus	OPERATING SYSTEM PRELOAD¹⁶ Windows 2000 models - Microsoft® Windows® 2000 Professional ✦ Disk-to-Disk Recovery (in hidden Service Partition) Windows Millennium models - Microsoft® Windows® Millennium Edition ✦ Disk-to-Disk Recovery (in hidden Service Partition) ADDITIONAL PRELOADED SOFTWARE Office Standard Academic models - Microsoft Office Standard (Word, Excel, Outlook, PowerPoint) SmartSuite® models - Lotus® SmartSuite Millennium (1-2-3, Organizer, FastSite, Word Pro, Freelance Graphics, Approach, SmartCenter) Office XP Small Business models - Microsoft Office XP Small Business ²⁸ (Word, Excel, Outlook, Publisher, Small Business Tools) ✦ Microsoft Office XP Small Business CD Common to most models • Utility Wizard • Easy Buttons Utility • Access ThinkPad 2.5 • ThinkPad Assistant • IBM Owner Privileges • PC-Doctor™ • Norton AntiVirus™ (OEM edition) • IBM Update Connector™.14 • Quicken 2001 • Adobe Acrobat Reader • MusicMatch Jukebox • ConfigSafe® (Windows 2000 models) • Adaptec® EZ CD Creator (CD-RW models) • Adaptec Direct CD (CD-RW models) ✦ Lotus® SmartSuite® Millennium CD
L2 cache	<i>Celeron:</i> 128KB / on die (at processor speed) / ECC <i>Pentium III:</i> 256KB / on die (at processor speed) / ECC	
Memory	64MB standard / 192MB maximum ¹⁷ / SDRAM / non-parity / PC100 / 8MB utilized for video / standard memory integrated / one 144-pin SO-DIMM socket available	
Diskette drive	None standard / optional USB Portable Diskette Drive	
CD-ROM	<i>Some:</i> CD-ROM / 24X-10X ⁵ speed / bootable / not removable	
CD-RW	<i>Some:</i> CD-RW / 8X-4X-24X ⁵ speed / bootable / not removable	
Ultrabay™ 2000	None / optional USB or PC Card attach Portable Drive Bay 2000	
Disk (removable)	10 or 20GB⁴ / S.M.A.R.T. ⁸ / average seek 12 ms (read) / ATA-5 66MB/sec	
Display	13.3" (338mm) SVGA (800x600) or XGA (1024x768) TFT color / Active Matrix	
Graphics controller	Trident® CyberBlade Aladdin i1 / in M1632M Northbridge / 2X AGP 3D graphics / Unified Memory Architecture (UMA uses main 8MB of system memory) / MPEG2	
Graphics - external	External SVGA to 1024x768x16.7million colors at 85Hz	
Keyboard	85-key (multiple Fn key functions) / palm rest / ThinkPad Button and three customizable color-coded Easy Launch buttons¹⁸ / pitch: 18mm; stroke: 2.3mm	
Pointing	TrackPoint® / Press-to-Select / Internet Scroll Bar	
ThinkLight™	None	
UltraPort™ connectr	None	
Dimensions (WxDxH) ¹⁹	Approximately 12.3 x 9.9 x 1.4" / 313 x 252 x 36mm	
Approximate weight ²	with CD and battery: 5.9 lb / 2.67 kg	
Battery - type	Li-Ion 8-cell / 14.4V x 3.6Ah	
Battery - life ²¹	<i>Celeron models:</i> 3.5 hrs, <i>Pentium III models:</i> 3.8 hrs	
Charge time ²¹ - on / off	6 hrs / 3 hrs	
AC adapter	56 watt universal AC adapter	
Architecture	ALi chipset / M1632M Northbridge (memory, graphics, PCI) / M1535+ Southbridge (IDE, USB, parallel, audio, Mini PCI, power management) / PCI 2.1, 32-bit 33MHz / O2® Micro OZ6812 for CardBus	
Port replicator	Optional IBM MultiPort USB Hub	
Docking Station	None	
PC Card Std slots	1 Type I, Type II, or Type III / CardBus 32-bit / PCMCIA 2.1 / Zoomed Video	
Ports	Two USB (Version 1.1) / parallel / keyboard / mouse / DB-15 monitor / RJ-11 (modem) / RJ-45 (ethernet models) / no serial port	
Modem	56K ³ V.90 / Lucent® CSP1037B / AC97 modem codec	
LAN	<i>Some:</i> 802.11b wireless / Mini PCI adapter / Lucent® chip set / Lucent OriNOCO™ and Cisco® Aironet compatible <i>Some:</i> 10/100 Mini PCI ethernet adapter / Intel 82559 ethernet chipset	
Audio support	SoundBlaster® Pro™ audio support / CS4299 AC97 codec / 32 voice wave table / stereo speakers in cover on both sides of display / keyboard-based audio controls / no internal microphone / stereo output jack (3.5 mm) / mono mic in jack (3.5mm)	
Security	Power-on password / hard disk password / setup password / security keyhole	
Limited warranty* ¹¹	1 year - customer carry in or EasyServ™ onsite pickup and delivery courier service	
Service options ¹⁵	On-site, Mon-Fri excluding holidays, 8 hours per day, next bus day response	

Video Modes with 8MB				OPTIONS		
Resolution	LCD TFT	External Monitor				
		60Hz	75Hz	85Hz		
640x480	16M	16M	16M	16M	- 64MB SO DIMM 100MHz NP SDRAM	20L0254
800x600	16M	16M	16M	16M	- 128M SO DIMM 100MHz NP SDRAM	20L0255
1024x768	16M**	16M	16M	16M	- i Series NiMH Battery 8-cell	02K6680
1280x1024	--	64K	--	--	- i Series Li-Ion Battery 8-cell	02K6728
** Supports 1024x768 in virtual screen mode for SVGA models						- i Series Battery Charger
<p>* The Anytime, Anywhere Learning (AAL) program promotes an affordable, mobile computing solution for students, parents and teachers by using Microsoft Office 2000 Standard (Academic Edition). The program allows qualified individuals associated with an accredited participating school (grade K-12) to buy select 1300 model ThinkPad notebooks at a low price.²²</p>						- Ultraslim 56 watt AC Adapter
						- 72W AC Adapter
						- 56W Car DC Adapter
						- IBM MultiPort USB Hub
						- IBM USB Portable Diskette Drive
						- IBM USB Mobile Mouse
						- USB to Parallel Printer Cable
						- IBM 8MB USB Memory Key
						- IBM 10/100 EtherJet CardBus Adapter
						- 10/100 CardBus PC Card (cabled)
- 10/100 CardBus Adptr XJACK 3Com						
- IBM High Rate Wireless PC Card 128						
- High Rate Wireless Access Pt 500						
- Bluetooth PC Card from IBM						
- 1GB Microdrive						
- Portable Drive Bay 2000						
						Devices for IBM Portable Drive Bay 2000
						- SuperDisk (LS-240) Drive UltraBay
						- 8X/4X/24X CD-Read/Write Ultrabay
						- 15GB Ultrabay 2000 Disk Drive***
						- 30GB Ultrabay 2000 Disk Drive***
						- 32GB Ultrabay 2000 Disk Drive***
						*** requires Hard Disk Drive Adapter
						- ServicePac® 1yr IOR 9x5 NBD
						- ServicePac 2yr IOR 9x5 NBD
						- ServicePac 3yr IOR 9x5 NBD
						ENERGY STAR compliant
						Setup Guide, User's Reference, Windows manual
						Personalized Web-based support
						International Warranty Service ¹¹
						24 hour x 7 day ⁷ toll-free hardware support during the warranty
						World Wide Web: ibm.com/thinkpad
						Buy Direct: 1 888 SHOP-IBM ext 7874

* For a copy of IBM's Statement of Limited Warranty, call 1-800-772-2227
 US models announced May 15, 2001 or August 7, 2001
 US models withdrawn effective November 2001

No warranties are expressed or implied in this summary
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IBM ThinkPad® i Series 1410, 1450 - withdrawn

IBM® ThinkPad®	i Series 1410	i Series 1450																																				
Processor type	Intel® Pentium® 266MHz ¹ with MMX™ technology / 66MHz system bus		All-in-one design means the disk, diskette drive, and CD-ROM are all within the covers of the notebook																																			
Processor features	No upgrade																																					
L2 cache	512KB / sync pipelined burst / 66MHz																																					
Diskette drive	Internal 3.5" 1.44MB / use simultaneously with CD-ROM / on right side																																					
External FDD port	None since diskette internal																																					
CD-ROM	CD-ROM / 20X-10X ⁵ speed / CAV / ATAPI / bootable / not removable / on right side																																					
Audio Control Panel	Instant Audio (external CD player controls in front of palm rest to play music CDs for up to six hrs when system off/closed)																																					
Type - model	2611-410	2611-450	All models:																																			
UPC code	0-87944-47551-4	0-87944-47552-1	- C: drive is FAT16 of 2GB																																			
Disk - size / ms	3.2GB ⁴ / 13ms read / 14ms write	4.3GB ⁴ / 13ms read / 14ms write	- D: drive is FAT32 of remaining space																																			
Disk controller	EIDE / PCI 2.1 / supports one internal disk / disk can not be removed or upgraded																																					
Avail / Withdrawal date	November 1998 / May 2001																																					
Display - size and type	12.1 inch TFT color / Active Matrix	13.3 inch TFT color / Active Matrix																																				
Display - technology	SVGA / 640x480 or 800x600 / 35ms / 120 nits	XGA / 640x480 or 800x600 or 1024x768 / 30ms / 120 nits																																				
	16.7 million simultaneous colors / 80 to 1 contrast	65,536 simultaneous colors / 100 to 1 contrast																																				
Graphics - controller	NeoMagic™ MagicGraph128XD™ (NM2097B) / 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 1024x768 with 65,536 colors at 75Hz																																					
Memory - std / max	32MB / 256MB ¹⁷	64MB / 256MB ¹⁷	WINDOWS 98 PRELOAD¹⁶ <ul style="list-style-type: none"> - Microsoft® Windows® 98 • Online User's Guide • ThinkPad Configuration Program • ThinkPad Customization Center • Diskette Factory • BIOS Utility • Notebook Manager program • Sleep Manager program • ShortCut Keys Utility • SafeOFF Utility • IntelliQuest Registration 3.0 • Lotus® SmartSuite Millennium • Quicken 98 • Tom Lehman Golf Pro 98 • World Book Encyclopedia • Rand McNally Trip Maker® • Norton AntiVirus (OEM version) • Access ThinkPad • Ring Central Fax • America Online^{®6} • ConfigSafe • IBM Update Connector • PC Doctor • IBM Global Network (IGN Dialer) • Netscape Navigator browser • ThinkPad on the Net ◇ Lotus SmartSuite Millennium CD-ROM ◇ World Book Encyclopedia CD-ROM ◇ Customization Center CD-ROM ◇ Product Recovery CD-ROM 																																			
Memory - features	SDRAM / non-parity / 66MHz / 3.3 volt / 64-bit 2 sockets for JEDEC 144-pin SO DIMMs / one socket used by std memory / sockets accessed from bottom via removing cover held by phillips-head screws																																					
Keyboard	Full-size 85-key (10 Fn key functions) / keyboard slope with tilt feet / Customizable color-coded ShortCut Keys / two Windows keys / palm rest																																					
Pointing	TrackPoint® / Press-to-Select / Release-to-Select / dragging / click pace / center button for scrolling (Internet Scroll Bar) or magnifying glass / spare caps																																					
Dimensions / weight ²	13.1 x 10.1 x 1.85" (245 cubic inches) / 7.5 lbs	7.7 lbs																																				
Battery - type / life ¹⁰	NiMH / non-intelligent / 3.0 hrs / left side	2.8 hrs																																				
Charge time - on / off	5.33 hrs on / 2.0 hrs off																																					
Architecture	ALI® Aladdin IV M1531 North Bridge / M1533 (EIDE, USB, PCI to ISA bridge) O2® Micro 6833 PCMCIA controller / NS PC97338 (FDC, IR, I/O) PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, PCMCIA, USB, audio) ISA (audio, diskette, serial, parallel, infrared, modem)																																					
Docking station	None																																					
Port replicator	Port Replicator (for easy, one-step connection to desktop peripherals)																																					
PCMCIA™ slots	2 Type I or 2 Type II or 1 Type III / CardBus 32-bit / Zoomed Video (lower slot) 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, 3 prong, barrel, slim, 45 watts																																					
Video in/out	None																																					
MPEG decoder	None (software support for MPEG-1 in Windows 98)																																					
Data/fax modem	56K ³ / V.90 / integrated in system / Lucent 1641B / not voice-capable																																					
Audio	16-bit SoundBlaster Pro™ audio support / Yamaha YMF715E / full duplex																																					
Speakers	Altec Lansing® SoundGuide stereo speakers with Dynamic Equalization Circuit™																																					
Audio features	Dial volume control (left side) / internal microphone																																					
Audio in/out jacks	Microphone jack (stereo) / headphone jack (stereo) / line-in jack																																					
Infrared ports	None																																					
Security	Power-on password / supervisor password / security keyhole																																					
Supported oper system	Windows 98 only																																					
Limited warranty ¹¹	1 year - EasyServ™ ⁹ onsite pickup and delivery courier service																																					
Service options ¹⁵	On-site, M-F, 8-5, next bus day (72 cities) / service agreements up to 5 yrs from purchase date																																					
The ThinkPad i Series 1400 Port Replicator provide cable management and I/O ports: - Power jack - Parallel connector - Serial connector - External mouse connector - External keyboard connector - External monitor connector - Universal Serial Bus (USB) port - Headphone jack - Line-in jack - Microphone jack		OPTIONS - 32MB SO DIMM 3.3v NP SDRAM 76H0294 - 64MB SO DIMM 3.3v NP SDRAM 20L0241 - 128MB SO DIMM 3.3v NP SDRAM 01K1150 - i Series 1400 Port Replicator 05K5591 - NiMH Battery 02K6525 - Li-Ion Battery (non-intelligent) 02K6576 - 45 watt AC Adapter (barrel; 3 prong) 11J8702 - IBM Mini-Mouse (black) 07G0033 - Visit www.ibm.com/pc/us/accessories (U.S.) or www.ibm.com/pc/ca/accessories (CA) - ThinkPad Proven™ solutions ¹² (visit www.ibm.com/pc/us/thinkpad/proven) Pressing F1 during startup brings up BIOS Utility																																				
<table border="1"> <thead> <tr> <th rowspan="2">Resolution</th> <th colspan="2">LCD</th> <th colspan="3">External Monitor</th> </tr> <tr> <th>TFT</th> <th></th> <th>60Hz</th> <th>75Hz</th> <th>85Hz</th> </tr> </thead> <tbody> <tr> <td>640x480</td> <td>16M</td> <td></td> <td>16M</td> <td>16M</td> <td>16M</td> </tr> <tr> <td>800x600</td> <td>16M</td> <td></td> <td>16M</td> <td>16M</td> <td>16M</td> </tr> <tr> <td>1024x768</td> <td>64K</td> <td></td> <td>64K</td> <td>64K</td> <td>--</td> </tr> <tr> <td>1280x1024</td> <td>--</td> <td></td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>		Resolution	LCD		External Monitor			TFT		60Hz	75Hz	85Hz	640x480	16M		16M	16M	16M	800x600	16M		16M	16M	16M	1024x768	64K		64K	64K	--	1280x1024	--		--	--	--	3.2GB = DMA Mode 2 or PIO Mode 4 4.3GB = DMA Mode 2 or PIO Mode 4 All disks are S.M.A.R.T.⁸ compliant	
Resolution	LCD		External Monitor																																			
	TFT		60Hz	75Hz	85Hz																																	
640x480	16M		16M	16M	16M																																	
800x600	16M		16M	16M	16M																																	
1024x768	64K		64K	64K	--																																	
1280x1024	--		--	--	--																																	
		FEATURES PC 97 compliant ACPI ready (APM enabled) Setup Guide, User's Reference, Windows 98 manual, and Quick Reference Card System Status Indicators Plug and Play 1.0a Light green mode, standby mode, and hibernation mode ENERGY STAR compliant International Warranty Service¹¹ 24 hour / 7 day⁷ telephone, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support																																				

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, 5 business day average turnaround). The customer may be asked certain diagnostic questions before a courier is sent.

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 No warranties are expressed or implied in this summary
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IBM ThinkPad® i Series 1411, 1451 - withdrawn

IBM® ThinkPad®	i Series 1411	i Series 1451																																																						
Processor type	Intel® Pentium® 300MHz ¹ with MMX™ technology / 66MHz system bus		All-in-one design means the disk, diskette drive, and CD-ROM are all within the covers of the notebook																																																					
Processor features	No upgrade																																																							
L2 cache	512KB / synchronous pipelined burst / 66MHz																																																							
Diskette drive	Internal 3.5" 1.44MB / use simultaneously with CD-ROM / on right side																																																							
External FDD port	None since diskette internal																																																							
CD-ROM	CD-ROM / 24X-10X ⁵ speed / CAV / ATAPI / bootable / not removable / on right side																																																							
DVD	None supported																																																							
Audio Control Panel	Instant Audio (external CD player controls in front of palm rest to play music CDs for up to six hrs when system off/closed)																																																							
Type - model	2611-411	2611-451	All models:																																																					
UPC code	0-87944-47553-8	0-87944-47554-5	- C: drive is FAT16 of 2GB																																																					
Disk - size / ms	4.3GB ⁴ / 13ms read / 14ms write		- D: drive is FAT32 of remaining space																																																					
Disk controller	EIDE / PCI 2.1 / supports one internal disk / disk can not be removed or upgraded																																																							
Avail / withdrawn date	January 1999 / April 2002																																																							
Display - size and type	12.1 inch TFT color / Active Matrix	13.3 inch TFT color / Active Matrix																																																						
Display - technology	SVGA / 640x480 or 800x600 / 35ms / 120 nits	XGA / 640x480 or 800x600 or 1024x768 / 30ms / 120 nits																																																						
	16.7 million simultaneous colors / 80 to 1 contrast	65,536 simultaneous colors / 100 to 1 contrast																																																						
Graphics - controller	NeoMagic™ MagicGraph128XD™ (NM2097B) / 128-bit SVGA accelerator / Zoomed Video support / DDC1 and DDC2B																																																							
Graph - arch/data path	PCI 2.1 / 32-bit / external SVGA to 1024x768 with 65,536 colors at 75Hz																																																							
Graphics - features	Simultaneous LCD and CRT ²⁶ / 150 degree tilt																																																							
Memory - std / max	32MB / 256MB ¹⁷	64MB / 256MB	WINDOWS 98 PRELOAD¹⁶ <ul style="list-style-type: none"> • Microsoft® Windows® 98 • Online User's Guide • ThinkPad Configuration Program • ThinkPad Customization Center • Diskette Factory • BIOS Utility • Notebook Manager program • Sleep Manager program • ShortCut Keys Utility • SafeOFF Utility • IntelliQuest Registration 3.0 • Lotus® SmartSuite® Millennium • Quicken 98 • Tom Lehman Golf Pro 98 • World Book Encyclopedia • Rand McNally Trip Maker® • Norton AntiVirus™ (OEM version) • Access ThinkPad • Ring Central Fax • America Online^{®6} • ConfigSafe® • IBM Update Connector • PC Doctor™ (system diagnostics) • IBM Global Network (IGN Dialer) • Netscape Navigator browser • ThinkPad on the Net ◇ Lotus SmartSuite Millennium CD-ROM ◇ World Book Encyclopedia CD-ROM ◇ Customization Center CD-ROM ◇ Product Recovery CD-ROM 																																																					
Memory - features	SDRAM / non-parity / 66MHz / 3.3 volt / 64-bit 2 sockets for JEDEC 144-pin SO DIMMs / one socket used by std memory / sockets accessed from bottom via removing cover held by phillips-head screws																																																							
Keyboard	Full-size 85-key (10 Fn key functions) / keyboard slope with tilt feet / Customizable color-coded ShortCut Keys / two Windows keys / palm rest																																																							
Pointing	TrackPoint® / Press-to-Select / Release-to-Select / dragging / click pace / center button for scrolling (Internet Scroll Bar) or magnifying glass / spare caps																																																							
Dimensions / weight ²	13.1 x 10.1 x 1.85" (245 cubic inches) / 7.5 lbs	7.7 lbs																																																						
Battery - type / life ¹⁰	NiMH / non-intelligent / 3.0 hrs / left side	2.7 hrs																																																						
Charge time - on / off	5.33 hrs on / 2.0 hrs off																																																							
Architecture	ALI® Aladdin IV M1531 North Bridge / M1533 (EIDE, USB, PCI to ISA bridge) O2® Micro 6833 PCMCIA controller / NS PC97338 (FDC, IR, I/O) PCI 2.1 / 32-bit / 33Mhz (EIDE, graphics, PCMCIA, USB, audio) ISA (audio, diskette, serial, parallel, infrared, modem)																																																							
Docking station	None																																																							
Port replicator	Port Replicator (for easy, one-step connection to desktop peripherals)																																																							
PCMCIA™ slots	2 Type I or 2 Type II or 1 Type III / CardBus 32-bit / Zoomed Video (lower slot) 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, 3 prong, barrel, slim, 45 watts																																																							
Video in/out	None																																																							
MPEG decoder	None (software support for MPEG-1 in Windows 98)																																																							
Data/fax modem	56K ³ / V.90 / integrated in system / Lucent 1641B / not voice-capable																																																							
Audio	16-bit SoundBlaster Pro™ audio support / Yamaha YMF715E / full duplex																																																							
Speakers	Altec Lansing® SoundGuide stereo speakers with Dynamic Equalization Circuit™																																																							
Audio features	Dial volume control (left side) / internal microphone																																																							
Audio in/out jacks	Microphone jack (stereo) / headphone jack (stereo) / line-in jack																																																							
Infrared ports	None																																																							
Security	Power-on password / supervisor password / security keyhole																																																							
Supported oper system	Windows 98 only																																																							
Limited warranty ^{*,11}	1 year - EasyServ™ onsite pickup and delivery courier service																																																							
Service options ¹⁵	On-site, M-F, 8-5, next bus day (72 cities) / service agreements up to 5 yrs from purchase date																																																							
The ThinkPad i Series 1400 Port Replicator provide cable management and I/O ports: - Power jack - Parallel connector - Serial connector - External mouse connector - External keyboard connector - External monitor connector - Universal Serial Bus (USB) port - Headphone jack - Line-in jack - Microphone jack		OPTIONS - 32MB SO DIMM 3.3v NP SDRAM 76H0294 - 64MB SO DIMM 3.3v NP SDRAM 20L0241 - 128MB SO DIMM 3.3v NP SDRAM 01K1150 - i Series 1400 Port Replicator 05K5591 - NiMH Battery 02K6525 - Li-Ion Battery (non-intelligent) 02K6576 - 45 watt AC Adapter (barrel; 3 prong) 11J8702 - IBM Mini-Mouse (black) 07G0033 - Visit www.ibm.com/pc/us/accessories (U.S.) or www.ibm.com/pc/ca/accessories (CA) - ThinkPad Proven™ solutions ¹² (visit www.ibm.com/pc/us/thinkpad/proven) - Visit www.ibm.com/pc/us/thinkpad/series (U.S.) or www.ibm.com/pc/ca/thinkpad (CA)																																																						
<table border="1"> <thead> <tr> <th rowspan="2">Resolution</th> <th colspan="4">LCD</th> <th colspan="4">External Monitor</th> </tr> <tr> <th>TFT</th> <th>60Hz</th> <th>75Hz</th> <th>85Hz</th> <th>60Hz</th> <th>75Hz</th> <th>85Hz</th> <th>85Hz</th> </tr> </thead> <tbody> <tr> <td>640x480</td> <td>16M</td> <td>16M</td> <td>16M</td> <td>16M</td> <td>16M</td> <td>16M</td> <td>16M</td> <td>16M</td> </tr> <tr> <td>800x600</td> <td>16M</td> <td>16M</td> <td>16M</td> <td>16M</td> <td>16M</td> <td>16M</td> <td>16M</td> <td>16M</td> </tr> <tr> <td>1024x768</td> <td>64K</td> <td>64K</td> <td>64K</td> <td>64K</td> <td>64K</td> <td>64K</td> <td>64K</td> <td>64K</td> </tr> <tr> <td>1280x1024</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>		Resolution	LCD				External Monitor				TFT	60Hz	75Hz	85Hz	60Hz	75Hz	85Hz	85Hz	640x480	16M	16M	16M	16M	16M	16M	16M	16M	800x600	16M	16M	16M	16M	16M	16M	16M	16M	1024x768	64K	64K	64K	64K	64K	64K	64K	64K	1280x1024	--	--	--	--	--	--	--	--	4.3GB = DMA Mode 2 or PIO Mode 4 All disks are S.M.A.R.T. ⁸ compliant Pressing F1 during startup brings up BIOS Utility FEATURES PC 97 compliant ACPI ready (APM enabled) Setup Guide, User's Reference, Windows 98 manual, and Quick Reference Card System Status Indicators Plug and Play 1.0a Light green mode, standby mode, and hibernation mode ENERGY STAR compliant International Warranty Service¹¹ 24 hour / 7 day⁷ telephone, bulletin board, electronic, and Internet (www.ibm.com/pc/us) support	
Resolution	LCD				External Monitor																																																			
	TFT	60Hz	75Hz	85Hz	60Hz	75Hz	85Hz	85Hz																																																
640x480	16M	16M	16M	16M	16M	16M	16M	16M																																																
800x600	16M	16M	16M	16M	16M	16M	16M	16M																																																
1024x768	64K	64K	64K	64K	64K	64K	64K	64K																																																
1280x1024	--	--	--	--	--	--	--	--																																																

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). The customer may be asked certain diagnostic questions before a courier is sent.

* For a copy of IBM's Statement of Limited Warranty, call 1-800-772-2227
 No warranties are expressed or implied in this summary
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IBM ThinkPad® i Series 1412, 1452, 1472 - withdrawn

IBM® ThinkPad®	i Series 1412	i Series 1452	i Series 1472	<i>All-in-one design means the disk, diskette drive, and CD-ROM are all within the covers of the notebook</i>	
Processor type	Intel® Mobile Celeron™ 366MHz ¹ or Mobile Pentium® II 366MHz / 66MHz system bus				
L2 cache	Celeron: 128KB; Pentium II: 256KB; All: onboard (full spd) / sync pipelined burst / ECC / write-back				
Diskette drive	Internal 3.5" 1.44MB / use simultaneously with CD-ROM / on right side				
CD-ROM	1412: CD-ROM / 24X-10X ⁵ speed / CAV / ATAPI / bootable / not removable / on right side				
DVD	1452/72: 2X-1X ⁵ DVD-ROM / bootable / not removable / on right side				
Audio Control Panel	Instant Audio (external CD player controls in front of palm rest to play music CDs for up to six hrs when system off/closed)				
Type - model	2611-412	2611-452	2611-472		
UPC code	0-87944-49109-5	0-87944-49108-8	0-87944-49107-1		
Processor	Celeron 366MHz	Celeron 366MHz	Pentium II 366MHz		
Disk - size / ms	4.8GB ⁴ / 13ms read / 14ms write	4.8GB / 13ms read / 14ms write	6.4GB / 12ms read / 14ms write		
Disk controller	EIDE / PCI 2.1 / supports one internal disk / disk can not be removed or upgraded				
CD or DVD	24X-10X CD-ROM				
Avail / withdrawn date	June 1999 / September 1999		June 1999 / September 1999		
Display (diagonal)	12.1" TFT / SVGA	14.1" TFT / XGA	14.1" TFT / XGA		
Display - size and type	12.1 inch (308mm) TFT color / Active Matrix		14.1 inch (358mm) TFT color / Active Matrix		
Display - technology	SVGA / 640x480 or 800x600 / 30ms / 120 nits		XGA / 640x480 or 800x600 or 1024x768 / 30ms / 130 nits		
	16.7 million simultaneous colors / 80 to 1 contrast		16.7 million simultaneous colors / 200 to 1 contrast		
Graphics - controller	NeoMagic™ MagicMedia256AV™ (NM2200) / Accelerated Graphics Port / AGP-1x / 128-bit engine, 256-bit memory interface / 2.5MB / SGRAM (embedded) / motion compensation / color space conversion / DDC2B				
Graphics - features	External SVGA to 1024x768x16.7 million colors at 85Hz and 1280x1024x256 colors				
Memory - std / max	32MB / 256MB ¹⁷	64MB / 256MB	64MB / 256MB		
Memory - features	SDRAM / non-parity / 66MHz / 3.3 volt / 64-bit 2 sockets for JEDEC 144-pin SO DIMMs / one socket used by std memory / sockets accessed from bottom via removing cover held by phillips-head screws			WINDOWS 98 PRELOAD¹⁶ <ul style="list-style-type: none"> - Microsoft® Windows® 98 • Online User's Guide • Easy Buttons Utility • IBM Owner Privileges • MediaMatics DVD • Marketing Screen Saver • Marketing Demo • Earthlink • Lotus® SmartSuite® Millennium • Quicken 99 • Tom Lehman Golf Pro 98 • World Book Encyclopedia • Norton AntiVirus™ (OEM version) • Access ThinkPad • RingCentral Fax • America Online⁶⁶ • ConfigSafe® • IBM Update Connector • PC-Doctor™ (system diagnostics) • IBM Global Network (IGN Dialer) • Netscape Communicator • ThinkPad on the Net ◇ Lotus SmartSuite Millennium CD-ROM ◇ World Book Encyclopedia CD-ROM ◇ Software Selections CD-ROM ◇ Product Recovery CD-ROM 	
Keyboard	Full-size 85-key (10 Fn key functions) / keyboard slope with tilt feet Customizable color-coded ShortCut Keys / two Windows keys / palm rest				
Pointing	TrackPoint® / Press-to-Select / Release-to-Select / dragging / click pace / center button for scrolling (Internet Scroll Bar) or magnifying glass / spare caps				
Dimensions / weight ²	13.1 x 10.1 x 1.85" (245 cubic inches) / 1412: 7.4 lbs 1452/72: 7.7 lbs				
Battery - type / life ¹⁰	Li-Ion / non-intelligent / left side / 1412: 3.3 hrs 1452/72: 3.0 hrs				
Charge time - on / off	5.33 hrs on / 2.0 hrs off				
Architecture	ALI® Aladdin IV M1621 North Bridge / M1533 (EIDE, USB, PCI to ISA bdg) / AGP for graphics / O2® Micro 6833D1 PCMCIA controller / PCI 2.1 32-bit 33Mhz (EIDE, modem, PCMCIA, USB, audio) / ISA (diskette, serial, parallel, infrared) / NS PC97338				
Docking station	None				
Port replicator	ThinkPad i Series 1400 Port Replicator				
PCMCIA™ slots	2 Type I or 2 Type II or 1 Type III / CardBus 32-bit / Zoomed Video (upper slot) / 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, 3 prong, barrel, slim, 45 watts				
Video (TV) out	1412: None 1452/72: S-Video out conn on side (does not require cable)				
MPEG decoder	None (software support for MPEG-1 in Windows 98)				
Data/fax modem	56K³ V.90 / integrated in system / Lucent® 1644 / not voice-capable				
Audio	16-bit SoundBlaster Pro™ audio support / PCI / ES1946 / no full duplex support				
Speakers	Altec Lansing® SoundGuide stereo speakers w/ Dynamic Equalization Circuit™				
Audio features	Dial volume control (left side) / internal microphone				
Audio in/out jacks	Microphone jack (stereo) / headphone jack (stereo) / line-in jack				
Infrared ports	None				
Security	Power-on password / supervisor password / security keyhole				
Supported oper system	Windows 98 only				
Limited warranty ¹¹	1 year - ThinkPad EasyServ™.9 (door-to-door depot repair service) or carry-in				
Service options ¹⁵	On-site, M-F, 8-5, next bus day (72 cities) / serv up to 5 yrs from purch date				
The ThinkPad i Series 1400 Port Replicator provide cable management and I/O ports:					
- Power jack					
- Parallel connector					
- Serial connector					
- External mouse connector					
- External keyboard connector					
- External monitor connector					
- Universal Serial Bus (USB) port					
- Headphone jack					
- Line-in jack					
- Microphone jack					
Color depth			OPTIONS		
Resolution	TFT	60Hz	75Hz	85Hz	
640x480	16M	16M	16M	16M	
800x600	16M	16M	16M	16M	
1024x768	16M	16M	16M	16M	
1280x1024	--	256	--	--	
			- 32MB SO DIMM 3.3v NP SDRAM 76H0294		
			- 64MB SO DIMM 3.3v NP SDRAM 20L0241		
			- 128MB SO DIMM 3.3v NP SDRAM 01K1150		
			- i Series 1400 Port Replicator 05K5591		
			- Li-Ion Battery 02K6576		
			- 45 watt AC Adapr (barrel; 3 prong) 11J8702		
			- Visit www.ibm.com/pc/us/accessories (U.S.) or www.ibm.com/pc/ca/accessories (CA)		
			- ThinkPad Proven™ solutions ¹² (visit www.ibm.com/pc/us/thinkpad/proven)		
			- Visit www.ibm.com/pc/us/thinkpad/iseries (U.S.) or www.ibm.com/pc/ca/thinkpad (CA)		
			Pressing F1 during startup brings up BIOS Utility		
			All models:		
			- C: drive is FAT16 of 2GB		
			- D: drive is FAT32 of remaining space		
			FEATURES		
			PC 98-compliant		
			ACPI ready (APM enabled)		
			Setup Guide, User's Reference, Windows 98 manual, and Quick Reference Card		
			System Status Indicators		
			Plug and Play 1.0a		
			Light green mode, standby mode, and hibernation mode		
			ENERGY STAR compliant		
			International Warranty Service¹¹		
			24 hour / 7 day telephone⁷, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support		

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). The customer may be asked certain diagnostic questions before a courier is sent.

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No warranties are expressed or implied in this summary
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IBM ThinkPad® i Series 1420, 1460, 1480 - withdrawn

IBM® ThinkPad®	i Series 1420	i Series 1460	i Series 1480	<i>All-in-one design means the disk, diskette drive, and CD-ROM are all within the covers of the notebook</i>																																		
Processor type	Intel® Mobile Celeron™ 433 or 466MHz ¹ / 66MHz system bus																																					
L2 cache	128KB / at processor speed / sync pipelined burst / ECC / write-back																																					
Diskette drive	Internal 3.5" 1.44MB / use simultaneously with CD-ROM / on left side																																					
CD-ROM	1420: CD-ROM / 24X-10X ⁵ speed / CAV / ATAPI / bootable / not removable / on right side																																					
DVD	1460/80: 4X-1X ⁵ DVD-ROM / bootable / not removable / on right side																																					
Audio Control Panel	Media Center with Instant Audio (external CD player controls in front to play music CDs when system off or closed)																																					
Type - model	2621-420	2621-460	2621-480																																			
UPC code	0-87944-50852-6	0-87944-50832-2	0-87944-50826-7																																			
Processor	Celeron 433MHz	Celeron 433MHz	Celeron 466MHz																																			
Disk - size / ms	4.8GB ⁴ / 13ms read / 14ms write	4.8GB / 13ms read / 14ms write	6.4GB / 12ms read / 14ms write																																			
Disk controller	EIDE / PCI 2.1 / supports one internal disk / disk can not be removed or upgraded																																					
CD or DVD	24X-10X CD-ROM																																					
Avail / withdrawn date	October 1999 / March 2000	October 1999 / March 2000	October 1999 / March 2000																																			
Display (diagonal)	13.0" HPA / SVGA	14.1" TFT / XGA	14.1" TFT / XGA																																			
Display - size and type	13.0 inch (330mm) HPA color / Dual Scan	14.1 inch (358mm) TFT color / Active Matrix																																				
Display - technology	SVGA / 640x480 or 800x600 / 30ms / 120 nits	XGA / 640x480 or 800x600 or 1024x768 / 30ms / 130 nits																																				
	16.7 million simultaneous colors / 100 to 1 contrast																																					
Graphics - controller	ATI™ Rage Mobility-M™ / Accelerated Graphics Port / AGP 2X / 64-bit graphics / 4MB SDRAM / motion compensation / multiple monitor support ²⁶ / DDC2B																																					
Graphics - features	External SVGA to 1024x768x16.7 million colors at 85Hz and 1280x1024x256 colors																																					
Memory - std / max	32MB / 256MB ¹⁷	64MB / 256MB	64MB / 256MB																																			
Memory - features	SDRAM / non-parity / 66MHz / 3.3 volt / 64-bit data path / 2 sockets for JEDEC 144-pin SO DIMMs / one socket used by std memory / sockets accessed from bottom via removing cover held by phillips-head screws																																					
Keyboard	Full-size 85-key (multiple Fn key functions) / slope with tilt feet / palm rest / four customizable color-coded Easy Launch buttons / two Windows keys																																					
Keyboard light	1460/80: ThinkLight™ / keyboard light (to work in low light) w/ power button																																					
Pointing	TrackPoint® / Press-to-Select / Release-to-Select / dragging / click pace / center button for scrolling (Internet Scroll Bar) or magnifying glass / spare cap																																					
Dimensions / weight ²	1420: 12.9x10.6x1.61" front and 1.75" rear / 7.75 lbs 1460/80: 12.9x10.6x1.55" front and 1.69" rear / 7.65 lbs																																					
Battery - type	1420: NiMH / intelligent / right side	1460/80: Li-Ion / intelligent / right side																																				
Battery - life ¹⁰	1420: 2.0 hrs	1460/80: 3.0 hrs																																				
Charge time ¹⁰ - on / off	1420: 2.5 hrs on / 2.1 hrs off	1460/80: 4.0 hrs on / 3.1 hrs off																																				
Architecture	ALI® Aladdin IV M1621 North Bridge / M1533 (EIDE, USB, PCI to ISA bdg) / AGP for graphics / O2® Micro 6833 PCMCIA controller / PCI 2.1 32-bit 33Mhz (EIDE, modem, PCMCIA, USB, audio) / ISA (diskette, serial, parallel, infrared) / NS PC97338																																					
Docking station	None																																					
Port replicator	None																																					
PCMCIA™ slots	1 Type I or 1 Type II or 1 Type III / CardBus 32-bit / Zoomed Video																																					
USB / serial / parallel	One USB / one 9 pin; 16550A or one (IEEE P1284-A, EPP, ECP, bidirectional)																																					
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Video (TV) out	1420: None	1460/80: S-Video out conn on side (does not require cable)																																				
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Choose from seven optional color covers*: Mars Red Metallic, Terra Green Metallic, Eclipse Blue Metallic, Lunar Grey Metallic, Sirius Red, Andromeda Green, Polaris Blue Visit www.ibm.com/pc/us/thinkpad/series/cover.html for more information and to order *Supplied by iBrands under license. Not manufactured or warranted by IBM.	<p style="text-align: center;">OPTIONS</p> <ul style="list-style-type: none"> - 32MB SO DIMM 3.3v NP SDRAM 76H0294 - 64MB SO DIMM 3.3v NP SDRAM 20L0241 - 128MB SO DIMM 3.3v NP SDRAM 01K1150 - Li-Ion Battery 02K6603 - UltraSlim 56 watt AC Adapter (3 prong) 02K6545 - 10/100 EtherJet™ CardBus Adapter 34L1301 <p>- Visit www.ibm.com/pc/us/accessories (U.S.) or www.ibm.com/pc/ca/accessories (CA)</p> <p>- ThinkPad Proven™ solutions¹² (visit www.ibm.com/pc/us/thinkpad/proven)</p> <p>- Visit www.ibm.com/pc/us/thinkpad/series (U.S.) or www.ibm.com/pc/ca/thinkpad (CA)</p>																																					
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800x600	16M	16M	16M	16M																																		
1024x768	16M*	16M	16M	16M																																		
1280x1024	--	16M	16M	16M																																		
1600x1200	--	64K	64K	64K																																		
	<p>4.8GB = DMA Mode 2 or PIO Mode 4 6.4GB = DMA Mode 2 or PIO Mode 4 All disks are S.M.A.R.T.⁸ compliant</p> <p>- Pressing F1 during startup brings up BIOS Utility - Notebook Manager available during operation</p> <p>All models: - C: drive is FAT16 of 2GB - D: drive is FAT32 of remaining space</p>																																					

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). The customer may be asked certain diagnostic questions before a courier is sent.

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IBM ThinkPad® i Series 1421, 1441 - withdrawn

IBM® ThinkPad®	i Series 1421	i Series 1441	All-in-one design means the disk, diskette drive, and CD-ROM are all within the covers of the notebook																																		
Processor type	Intel® Mobile Celeron™ 466MHz ¹ / 66MHz system bus																																				
L2 cache	128KB / at processor speed / sync pipelined burst / ECC / write-back																																				
Diskette drive	Internal 3.5" 1.44MB / use simultaneously with CD-ROM / on left side																																				
CD-ROM	1421: CD-ROM / 24X-10X ⁵ speed / CAV / ATAPI / bootable / not removable / on right side																																				
DVD	1441: 4X-1X ⁵ DVD-ROM / bootable / not removable / on right side																																				
Audio Control Panel	Media Center with Instant Audio (external CD player controls in front to play music CDs when system off or closed)																																				
Type - model	2621-421	2621-441																																			
UPC code	0-87944-52265-2	0-87944-53544-7																																			
Disk - size / ms	6.0GB ⁴ / 12ms read / 14ms write / ATA-66 / S.M.A.R.T. ⁸	6.0GB / 12ms read / 14ms write / ATA-66 / S.M.A.R.T.																																			
Disk controller	EIDE / PCI 2.1 / supports one internal disk / disk can not	be removed or upgraded																																			
CD or DVD	24X-10X CD-ROM	4X-1X DVD-ROM																																			
Available date	January 2000	January 2000																																			
Withdrawn date	July 2000	July 2000																																			
Display - size and type	13.0 inch (330mm) HPA color / Dual Scan	12.0 inch (308mm) TFT color / Active Matrix																																			
Display - technology	SVGA / 640x480 or 800x600 / 30ms / 120 nits	SVGA / 640x480 or 800x600 / 30ms / 120 nits																																			
	16.7 million simultaneous colors / 100 to 1 contrast	16.7 million simultaneous colors / 80 to 1 contrast																																			
Graphics - controller	ATI™ Rage Mobility-M™ / Accelerated Graphics Port / 2X AGP / 64-bit graphics / 4MB SDRAM / motion compensation / multiple monitor support ²⁶ / DDC2B																																				
Graphics - features	External SVGA to 1024x768x16.7 million colors at 85Hz and 1280x1024x256 colors																																				
Memory - std / max	32MB / 256MB ¹⁷	64MB / 256MB																																			
Memory - features	SDRAM / non-parity / 66MHz / 3.3 volt / 64-bit data path / 2 sockets for JEDEC 144-pin SO DIMMs / one socket used by std memory / sockets accessed from bottom via removing cover held by phillips-head screws																																				
Keyboard	Full-size 85-key (multiple Fn key functions) / slope with tilt feet / palm rest / four customizable color-coded Easy Launch buttons ¹⁸ / two Windows keys																																				
Keyboard light	None																																				
Pointing	TrackPoint® / Press-to-Select / Release-to-Select / dragging / click pace / center button for scrolling (Internet Scroll Bar) or magnifying glass / spare cap																																				
Dimensions ¹⁹ / weight ²	1421: 12.9x10.6x1.8" / 7.8 lbs	1441: 12.9x10.6x1.6" / 7.7 lbs																																			
Battery - type	1421: NiMH / intelligent / right side	1441: Li-Ion / intelligent / right side																																			
Battery - life ¹⁰	1421: 2.0 hrs	1441: 3.0 hrs																																			
Charge time ¹⁰ - on / off	1421: 2.5 hrs on / 2.1 hrs off	1441: 4.0 hrs on / 3.1 hrs off																																			
Architecture	ALI® Aladdin IV M1621 North Bridge / M1533 (EIDE, USB, PCI to ISA bdg) / AGP for graphics / O2® Micro 6833 PCMCIA controller / PCI 2.1 32-bit 33Mhz (EIDE, modem, PCMCIA, USB, audio) / ISA (diskette, serial, parallel, infrared) / NS PC97338																																				
Docking station	None																																				
Port replicator	None																																				
PCMCIA™ slots	1 Type I or 1 Type II or 1 Type III / CardBus 32-bit / Zoomed Video																																				
USB / serial / parallel	One USB / one 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)																																				
Other features	ACPI power mgmt / Universal AC adapter, 3 prong, barrel, slim, 56 watts																																				
Video (TV) out	1421: None 1441: S-Video out connector on side (does not require cable)																																				
MPEG decoder	None (software support for MPEG-1 in Windows 98)																																				
Data/fax modem	56K ³ V.90 / integrated in system / Lucent® 1646 / Mini PCI Type IIIb / not voice-capable																																				
Audio	16-bit SoundBlaster Pro™ audio support / PCI / ES1946 / no full duplex support																																				
Speakers	Altec Lansing® SoundGuide stereo speakers w/ Dynamic Equalization Circuit™																																				
Audio features	Dial volume control (front side) / internal microphone																																				
Audio in/out jacks	Microphone jack (stereo) / headphone jack (stereo) / line-in jack (all left side)																																				
Infrared ports	None																																				
Security	Power-on password / supervisor password / security keyhole																																				
Limited warranty ¹¹	1 year - ThinkPad EasyServ™ ⁹ (door-to-door depot repair service) or carry-in																																				
Service options ¹⁵	On-site, M-F, 8-5, next bus day (72 cities)																																				
Choose from seven optional color covers*: Mars Red Metallic, Terra Green Metallic, Eclipse Blue Metallic, Lunar Grey Metallic, Sirius Red, Andromeda Green, Polaris Blue Visit www.ibm.com/pc/us/thinkpad/series/cover.html for more information and to order *Supplied by iBrands under license. Not manufactured or warranted by IBM.		<p>OPTIONS</p> <ul style="list-style-type: none"> - 32MB SO DIMM 3.3v NP SDRAM 76H0294 - 64MB SO DIMM 3.3v NP SDRAM 20L0241 - 128MB SO DIMM 3.3v NP SDRAM 01K1150 - Li-Ion Battery 02K6603 - Ultralim 56 watt AC Adapter (3 prong) 02K6545 - 10/100 EtherJet™ CardBus Adapter 34L1301 - MultiPort USB Hub 00N8215 <p>- Visit www.ibm.com/pc/us/accessories (U.S.) or www.ibm.com/pc/ca/accessories (CA)</p> <p>- ThinkPad Proven™ solutions¹² (visit www.ibm.com/pc/us/thinkpad/proven)</p> <p>- Visit www.ibm.com/pc/us/thinkpad/series (U.S.) or www.ibm.com/pc/ca/thinkpad (CA)</p>	<p>WINDOWS 98 PRELOAD¹⁶</p> <ul style="list-style-type: none"> • Microsoft® Windows® 98 Second Edition • Online User's Guide • Easy Buttons Utility • IBM Owner Privileges¹³ • MediaMatics DVD • Marketing Screen Saver • Marketing Demo • Earthlink • Quicken 99 • Tom Lehman Golf Pro 98 • World Book Encyclopedia • Norton AntiVirus™ (OEM version) • Access ThinkPad • RingCentral Fax • America Online⁶⁶ • ConfigSafe® • IBM Update Connector¹⁴ • PC-Doctor™ (system diagnostics) • IBM Global Network (IGN Dialer) • Netscape Communicator • ThinkPad on the Net • Tom Lehman Golf Pro 98 CD-ROM • Lotus® SmartSuite® Millennium CD-ROM • World Book Encyclopedia CD-ROM • Software Selections CD-ROM • Product Recovery CD-ROM <p>- Pressing F1 during startup brings up BIOS Utility</p> <p>- Notebook Manager available during operation</p> <p>All models:</p> <ul style="list-style-type: none"> - C: drive is FAT16 of 2GB - D: drive is FAT32 of remaining space 																																		
<table border="1"> <thead> <tr> <th>Color depth</th> <th>LCD</th> <th colspan="3">External Monitor</th> </tr> <tr> <th>Resolution</th> <th>TFT</th> <th>60Hz</th> <th>75Hz</th> <th>85Hz</th> </tr> </thead> <tbody> <tr> <td>640x480</td> <td>16M</td> <td>16M</td> <td>16M</td> <td>16M</td> </tr> <tr> <td>800x600</td> <td>16M</td> <td>16M</td> <td>16M</td> <td>16M</td> </tr> <tr> <td>1024x768</td> <td>--</td> <td>16M</td> <td>16M</td> <td>16M</td> </tr> <tr> <td>1280x1024</td> <td>--</td> <td>16M</td> <td>16M</td> <td>16M</td> </tr> <tr> <td>1600x1200</td> <td>--</td> <td>64K</td> <td>64K</td> <td>64K</td> </tr> </tbody> </table>		Color depth	LCD	External Monitor			Resolution	TFT	60Hz	75Hz	85Hz	640x480	16M	16M	16M	16M	800x600	16M	16M	16M	16M	1024x768	--	16M	16M	16M	1280x1024	--	16M	16M	16M	1600x1200	--	64K	64K	64K	<p>FEATURES</p> <p>Owner Privileges¹³ program</p> <p>PC 98-compliant</p> <p>ACPI enabled</p> <p>Setup Guide, User's Reference, Windows 98 manual, and Quick Reference Card</p> <p>System Status Indicators</p> <p>Plug and Play 1.0a</p> <p>Standby mode and hibernation mode</p> <p>ENERGY STAR-compliant</p> <p>International Warranty Service¹¹</p> <p>IBM SystemXtra^{®35}</p> <p>24 hour / 7 day⁷ telephone, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support</p>
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IBM ThinkPad® i Series 1422, 1442, 1482, 1483, 1492 - withdrawn

IBM® ThinkPad®	i Series 1422	i Series 1442	i Series 1482	i Series 1483	i Series 1492																																			
Processor type	Intel® Mobile Celeron™ 500MHz ¹ or Mobile Pentium III 500MHz / 100MHz system bus				<i>All-in-one design means the disk, diskette drive, and CD-ROM are all within the covers of the notebook</i>																																			
L2 cache	Celeron: 128KB; Pentium III: 256KB; All: at processor speed / sync pipelined burst / ECC																																							
Diskette drive	Internal 3.5" 1.44MB / on left side																																							
CD-ROM	1422: CD-ROM / 24X-10X ⁵ speed / CAV / ATAPI / bootable / not removable / right side																																							
DVD	1442/82/92: 6X-1X ⁵ DVD-ROM / bootable / not removable / on right side																																							
Audio Control Panel	Media Center with Instant Audio (external CD player controls in front to play music CDs when system off or closed)																																							
Type - model	2621-422	2621-442	2621-482	2621-483	2621-492																																			
Processor	Celeron 500MHz	Celeron 500MHz	Celeron 500MHz	Pentium III 500MHz	Pentium III 500MHz																																			
CD or DVD	24X-10X CD-ROM	6X-1X DVD-ROM	6X-1X DVD-ROM	24X-10X CD-ROM	6X-1X DVD-ROM																																			
Disk - size / ms	6.0GB ⁴ / 12ms read / 14ms write / ATA-66 or PIO4																																							
Disk controller	EIDE / supports one internal disk / disk can not be removed or upgraded / Ultra DMA/33 or PIO4 / S.M.A.R.T. ⁸																																							
Avail / withdrawn date	March 2000 / October 2000																																							
Display (diagonal)	13.0" HPA / SVGA	12.1" TFT / SVGA	14.1" TFT / XGA	14.1" TFT / XGA	15.0" TFT / XGA																																			
Display	12.1 inch (308mm) TFT color / Active Matrix SVGA / 640x480 or 800x600 / 50ms / 120 nits 16.7 million simultaneous colors / 150 to 1 contrast		13.0 inch (330mm) HPA color / Dual Scan SVGA / 640x480 or 800x600 / 150ms / 100 nits 16.7 million simultaneous colors / 50 to 1 contrast																																					
	14.1 inch (358mm) TFT color / Active Matrix XGA / 640x480 or 800x600 or 1024x768 / 70ms / 130 nits 16.7 million simultaneous colors / 120 to 1 contrast		15.0 inch (381mm) TFT color / Active Matrix XGA / 640x480 or 800x600 or 1024x768 / 80ms / 120 nits 16.7 million simultaneous colors / 250 to 1 contrast																																					
Graphics - controller	ATI™ Rage Mobility-M™ / Accelerated Graphics Port / AGP 2X / 64-bit graphics / 4MB SDRAM / motion compensation / multiple monitor support ²⁶ / DDC2B																																							
Graphics - features	External SVGA to 1024x768x16.7 million colors at 85Hz and 1280x1024x256 colors																																							
Memory - std / max	32MB / 256MB ¹⁷	64MB / 256MB	64MB / 256MB	64MB / 256MB	64MB / 256MB																																			
Memory - features	SDRAM / non-parity / 100MHz / 3.3 volt / 64-bit data path / 2 sockets for JEDEC 144-pin SO DIMMs / one socket used by std memory / sockets accessed from bottom via removing cover held by phillips-head screws																																							
Keyboard	Full-size 85-key (multiple Fn key functions) / slope with tilt feet / palm rest / four customizable color-coded Easy Launch buttons ¹⁸ / two Windows keys																																							
Keyboard light	1482/83/92: ThinkLight™ / keyboard light (to work in low light)																																							
Pointing	TrackPoint® / Press-to-Select / Release-to-Select / dragging / click pace / center button for scrolling (Internet Scroll Bar) or magnifying glass / spare cap																																							
Dimensions ¹⁹	1422: 12.9x10.6x1.61" front and 1.75" rear 1442: 1.59" front and 1.73" rear 82/83: 12.9x10.6x1.59" front and 1.73" rear 1492: 1.73" front and 2.00" rear																																							
Weight ²	1422: 7.7 lbs; 1442: 7.4 lbs; 1482/92: 7.9 lbs																																							
Battery - type	1422/42/82: NiMH / intelligent / right 1483/92: Li-Ion / intelligent / right side																																							
Battery - life ¹⁰	1422/42/82: 2.0 hrs 1483/92: 3.5 hrs																																							
Charge time ¹⁰ - on / off	1422/42/82: 2.5 hrs on / 2.1 hrs off 1483/92: 4.0 hrs on / 3.1 hrs off																																							
Architecture	Intel 440BX AGPset / PIIX4M (EIDE, USB, PCI to ISA bdg) / AGP for graphics / TI1410 PCMCIA controller / PCI 2.1 32-bit 33Mhz (EIDE, modem, PCMCIA, USB, audio) / ISA (diskette, serial, parallel, infrared) / NS PC97338 Super I/O																																							
Port replicator	None																																							
Docking station	None																																							
PCMCIA™ slots	1 Type I or 1 Type II or 1 Type III / CardBus 32-bit / Zoomed Video																																							
USB / serial / parallel	One USB / one 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)																																							
Other features	ACPI power mgmt / Universal AC adapter, 3 prong, barrel, slim, 56 watts																																							
Video (TV) out	S-Video out conn on side (does not require cable)																																							
MPEG decoder	None (software support for MPEG-1 in Windows 98)																																							
Data/fax modem	56K ³ V.90 / integrated in system / Lucent® 1646 / Mini PCI Type IIIb / 16-bit SoundBlaster Pro™ audio support / PCI / ES1946 / full duplex support																																							
Speakers	Altec Lansing® SoundGuide stereo speakers w/ Dynamic Equalization Circuit™																																							
Audio features	Dial volume control (front side) / internal microphone																																							
Audio in/out jacks	Microphone jack (stereo) / headphone jack (stereo) / line-in jack (all left side)																																							
Infrared ports	None																																							
Security	Power-on password / hard disk password / supervisor password / security keyhole																																							
Limited warranty ¹¹	1 year - ThinkPad EasyServ™ ⁹ (door-to-door depot repair service) or carry-in																																							
Service options ¹⁵	On-site, M-F, 8-5, next bus day (72 cities)																																							
Choose from seven optional color covers (12.1" and 14.0" models only ²⁰): Mars Red Metallic, Terra Green Metallic, Eclipse Blue Metallic, Lunar Grey Metallic, Sirius Red, Andromeda Green, Polaris Blue	<p style="text-align: center;">OPTIONS</p> <ul style="list-style-type: none"> - 32MB SO DIMM 100MHz NP SDRAM 20L0253 - 64MB SO DIMM 100MHz NP SDRAM 20L0254 - 128MB SO DIMM 100MHz NP SDRAM 20L0255 - IBM MultiPort USB Hub 00N8215 - Li-Ion Battery 02K6603 - UltraSlim 56 watt AC Adapter (3 prong) 02K6545 - 10/100 EtherJet™ CardBus Adapter 34L1301 <p>- Visit www.ibm.com/pc/us/accessories (U.S.) or www.ibm.com/pc/ca/accessories (CA)</p> <p>- ThinkPad Proven™ solutions¹² (visit www.ibm.com/pc/us/thinkpad/proven)</p> <p>- Visit www.ibm.com/pc/us/thinkpad/series (U.S.) or www.ibm.com/pc/ca/thinkpad (CA)</p>																																							
Visit www.ibm.com/pc/us/thinkpad/series/cover.html for more information and to order																																								
* 12.1" and 14.0" models only ²⁰	<p style="text-align: center;">FEATURES</p> <p>Owner Privileges¹³ program</p> <p>PC 98-compliant</p> <p>ACPI enabled</p> <p>Setup Guide, User's Reference, Windows manual, and Quick Reference Card</p> <p>System Status Indicators</p> <p>Plug and Play 1.0a</p> <p>Standby mode and hibernation mode</p> <p>ENERGY STAR-compliant</p> <p>International Warranty Service¹¹</p> <p>24 hour / 7 day⁷ telephone, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support</p>																																							
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Color depth	LCD	External Monitor																																						
Resolution	TFT	60Hz	75Hz	85Hz																																				
640x480	16M	16M	16M	16M																																				
800x600	16M	16M	16M	16M																																				
1024x768	16M*	16M	16M	16M																																				
1280x1024	--	16M	16M	64K																																				
1600x1200	--	256	256	--																																				

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). The customer may be asked certain diagnostic questions before a courier is sent.

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IBM ThinkPad® i Series 1512, 1552 - withdrawn

IBM® ThinkPad®	i Series 1512	i Series 1552	All-in-one design means the disk, diskette drive, and CD-ROM are all within the covers of the notebook
Processor type	Intel® Mobile Celeron™ 366MHz ¹ / 66MHz system bus		
L2 cache	128KB / onboard (full spd) / sync pipelined burst / ECC / write-back		
Diskette drive	Internal 3.5" 1.44MB / use simultaneously with CD-ROM / on right side		
CD-ROM	CD-ROM / 24X-10X ² speed / CAV / ATAPI / bootable / not removable / on right side		
DVD	None available		
Audio Control Panel	Instant Audio (external CD player controls in front of palm rest to play music CDs for up to six hrs when system off/closed)		
Type - model	2611-512	2611-552	
UPC code	0-87944-4505433	0-87944-4505440	
Disk - size / ms	4.8GB ⁴ / 13ms read / 14ms write		
Disk controller	EIDE / PCI 2.1 / supports one internal disk / disk can not be removed or upgraded		
CD or DVD	24X-10X CD-ROM		
Avail / withdrawn date	July 1999 / September 1999		
Display (diagonal)	12.1" TFT / SVGA	14.1" TFT / XGA	
Display - size and type	12.1 inch (308mm) TFT color / Active Matrix	14.1 inch (358mm) TFT color / Active Matrix	
Display - technology	SVGA / 640x480 or 800x600 / 30ms / 120 nits 16.7 million simultaneous colors / 80 to 1 contrast	XGA / 640x480 or 800x600 or 1024x768 / 30ms / 130 nits 16.7 million simultaneous colors / 200 to 1 contrast	
Graphics - controller	NeoMagic™ MagicMedia256AV™ (NM2200) / Accelerated Graphics Port / AGP-1x / 128-bit engine, 256-bit memory interface / 2.5MB / SGRAM (embedded) / motion compensation / color space conversion / DDC2B		
Graphics - features	External SVGA to 1024x768x16.7 million colors at 85Hz and 1280x1024x256 colors		
Memory - std / max	64MB / 256MB ¹⁷		
Memory - features	SDRAM / non-parity / 66MHz / 3.3 volt / 64-bit 2 sockets for JEDEC 144-pin SO DIMMs / one socket used by std memory / sockets accessed from bottom via removing cover held by phillips-head screws		
Keyboard	Full-size 85-key (10 Fn key functions) / keyboard slope with tilt feet Customizable color-coded ShortCut Keys / two Windows keys / palm rest		
Pointing	TrackPoint® / Press-to-Select / Release-to-Select / dragging / click pace / center button for scrolling (Internet Scroll Bar) or magnifying glass / spare caps		
Dimensions / weight ²	13.1 x 10.1 x 1.85" (245 cubic inches) / 1512: 7.4 lbs 1552: 7.7 lbs		
Battery - type / life ¹⁰	Li-Ion / non-intelligent / left side / 3.0 hrs		
Charge time - on / off	5.0 hrs on / 2.0 hrs off		
Architecture	ALI® Aladdin IV M1621 North Bridge / M1533 (EIDE, USB, PCI to ISA bdg) / AGP for graphics / O2® Micro 6833D1 PCMCIA controller / PCI 2.1 32-bit 33Mhz (EIDE, modem, PCMCIA, USB, audio) / ISA (diskette, serial, parallel, infrared) / NS PC97338		
Docking station	None		
Port replicator	ThinkPad i Series 1400 Port Replicator		
PCMCIA™ slots	2 Type I or 2 Type II or 1 Type III / CardBus 32-bit / Zoomed Video (upper slot) / 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, 3 prong, barrel, slim, 45 watts		
Video (TV) out	None		
MPEG decoder	None (software support for MPEG-1 in Windows 98)		
Data/fax modem	56K ³ V.90 / integrated in system / Lucent® 1644 / not voice-capable		
Audio	16-bit SoundBlaster Pro™ audio support / PCI / ES1946 / no full duplex support		
Speakers	Altec Lansing® SoundGuide stereo speakers w/ Dynamic Equalization Circuit™		
Audio features	Dial volume control (left side) / internal microphone		
Audio in/out jacks	Microphone jack (stereo) / headphone jack (stereo) / line-in jack		
Infrared ports	None		
Security	Power-on password / supervisor password / security keyhole		
Supported oper system	Windows 98 only		
Limited warranty ¹¹	1 year - ThinkPad EasyServ™.9 (door-to-door depot repair service) or carry-in		
Service options ¹⁵	On-site, M-F, 8-5, next bus day (72 cities) / serv up to 5 yrs from purch date		
The ThinkPad i Series 1400 Port Replicator provide cable management and I/O ports:			
- Power jack			
- Parallel connector			
- Serial connector			
- External mouse connector			
- External keyboard connector			
- External monitor connector			
- Universal Serial Bus (USB) port			
- Headphone jack			
- Line-in jack			
- Microphone jack			
Color depth		OPTIONS	
Resolution	TFT	60Hz 75Hz 85Hz	
640x480	16M	16M 16M 16M	
800x600	16M	16M 16M 16M	
1024x768	16M	16M 16M 16M	
1280x1024	--	256 -- --	
		- 32MB SO DIMM 3.3v NP SDRAM 76H0294	
		- 64MB SO DIMM 3.3v NP SDRAM 20L0241	
		- 128MB SO DIMM 3.3v NP SDRAM 01K1150	
		- i Series 1400 Port Replicator 05K5591	
		- Li-Ion Battery 02K6576	
		- 45 watt AC Adapr (barrel; 3 prong) 11J8702	
		- Visit www.ibm.com/pc/us/accessories (U.S.) or www.ibm.com/pc/ca/accessories (CA)	
		- ThinkPad Proven™ solutions ¹² (visit www.ibm.com/pc/us/thinkpad/proven)	
		- Visit www.ibm.com/pc/us/thinkpad/series (U.S.) or www.ibm.com/pc/ca/thinkpad (CA)	
		4.8GB = DMA Mode 2 or PIO Mode 4	
		All disks are S.M.A.R.T. ⁸ compliant	
		Pressing F1 during startup brings up BIOS Utility	
		All models:	
		- C: drive is FAT16 of 2GB	
		- D: drive is FAT32 of remaining space	
		FEATURES	
		PC 98-compliant	
		ACPI ready (APM enabled)	
		Setup Guide, User's Reference, Windows 98 manual, and Quick Reference Card	
		System Status Indicators	
		Plug and Play 1.0a	
		Light green mode, standby mode, and hibernation mode	
		ENERGY STAR compliant	
		International Warranty Service¹¹	
		24 hour / 7 day telephone⁷, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support	

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). The customer may be asked certain diagnostic questions before a courier is sent.

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IBM ThinkPad® i Series 1540, 1541, 1560 - withdrawn

IBM® ThinkPad®	i Series 1540	i Series 1541	i Series 1560	<i>All-in-one design means the disk, diskette drive, and CD-ROM are all within the covers of the notebook</i>																																		
Processor type	Intel® Mobile Celeron™ 433 or 466MHz ¹ / 66MHz system bus																																					
L2 cache	128KB / at processor speed / sync pipelined burst / ECC / write-back																																					
Diskette drive	Internal 3.5" 1.44MB / use simultaneously with CD-ROM / on left side																																					
CD-ROM	CD-ROM / 24X-10X ² speed / CAV / ATAPI / bootable / not removable / on right side																																					
DVD	None / no option available																																					
Audio Control Panel	Media Center with Instant Audio (external CD player controls in front to play music CDs when system off or closed)																																					
Type - model	2621-540	2621-541	2621-560																																			
UPC code	0-87944-51796-2	0-87944-52271-3	0-87944-51797-9																																			
Processor	Celeron 433MHz																																					
Disk - size / ms	4.8GB ⁴ / 13ms read	6.0GB / 12ms / ATA-66	6.4GB / 12ms read / 14ms write																																			
Disk controller	EIDE / PCI 2.1 / supports one internal disk / disk can not be removed or upgraded																																					
CD or DVD	24X-10X CD-ROM																																					
Avail / withdrawn date	October 1999 / March 2000	January 2000 / July 2000	October 1999 / April 2002																																			
Display (diagonal)	12.1" TFT / SVGA	12.1" TFT / SVGA	14.1" TFT / XGA																																			
Display - size and type	12.1 inch (308mm) TFT color / Active Matrix		14.1 inch (358mm) TFT color / Active Matrix																																			
Display - technology	SVGA / 640x480 or 800x600 / 30ms / 120 nits		XGA / 640x480 or 800x600 or 1024x768 / 30ms / 130 nits																																			
	16.7 million simultaneous colors / 80 to 1 contrast		16.7 million simultaneous colors / 200 to 1 contrast																																			
Graphics - controller	ATI™ Rage Mobility-M™ / Accelerated Graphics Port / AGP 2X / 64-bit graphics / 4MB SDRAM / motion compensation / multiple monitor support ²⁶ / DDC2B																																					
Graphics - features	External SVGA to 1024x768x16.7 million colors at 85Hz and 1280x1024x256 colors																																					
Memory - std / max	64MB / 256MB ¹⁷																																					
Memory - features	SDRAM / non-parity / 66MHz / 3.3 volt / 64-bit data path / 2 sockets for JEDEC 144-pin SO DIMMs / one socket used by std memory / sockets accessed from bottom via removing cover held by phillips-head screws																																					
Keyboard	Full-size 85-key (multiple Fn key functions) / slope with tilt feet / palm rest / four customizable color-coded Easy Launch buttons ¹⁸ / two Windows keys																																					
Keyboard light	1560: ThinkLight™ / keyboard light (to work in low light) w/ power button																																					
Pointing	TrackPoint® / Press-to-Select / Release-to-Select / dragging / click pace / center button for scrolling (Internet Scroll Bar) or magnifying glass / spare cap																																					
Dimensions ¹⁹ / weight ²	1540/41: 12.9x10.6x1.59" front and 1.73" rear / 7.5 lbs 1560: 12.9x10.6x1.55" front and 1.69" rear / 7.65 lbs																																					
Battery - type	Li-Ion / intelligent / right side																																					
Battery - life ¹⁰	1540/41: 3.0 hrs	1560: 4.0 hrs																																				
Charge time - on / off	1540/41: 5.0 hrs on / 2.0 hrs off	1560: 4.0 hrs on / 3.1 hrs off																																				
Architecture	ALI® Aladdin IV M1621 North Bridge / M1533 (EIDE, USB, PCI to ISA bdg) / AGP for graphics / O2® Micro 6833 PCMCIA controller / PCI 2.1 32-bit 33Mhz (EIDE, modem, PCMCIA, USB, audio) / ISA (diskette, serial, parallel, infrared) / NS PC97338																																					
Docking station	None																																					
Port replicator	None																																					
PCMCIA™ slots	1 Type I or 1 Type II or 1 Type III / CardBus 32-bit / Zoomed Video																																					
USB / serial / parallel	One USB / one 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)																																					
Other features	ACPI power mgmt / Universal AC adapter, 3 prong, barrel, slim, 56 watts																																					
Video (TV) out	None																																					
MPEG decoder	None (software support for MPEG-1 in Windows 98)																																					
Data/fax modem	56K ³ V.90 / integrated in system / Lucent® 1646 / Mini PCI Type IIb / not voice-capable																																					
Audio	16-bit SoundBlaster Pro™ audio support / PCI / ES1946 / no full duplex support																																					
Speakers	Altec Lansing® SoundGuide stereo speakers w/ Dynamic Equalization Circuit™																																					
Audio features	Dial volume control (front side) / internal microphone																																					
Audio in/out jacks	Microphone jack (stereo) / headphone jack (stereo) / line-in jack (all left side)																																					
Infrared ports	None																																					
Security	Power-on password / supervisor password / security keyhole																																					
Limited warranty ^{*,11}	1 year - EasyServ™.9 onsite pickup and delivery courier service																																					
Service options ¹⁵	On-site, M-F, 8-5, next bus day (72 cities) / serv up to 5 yrs from purch date																																					
Choose from seven optional color covers*: Mars Red Metallic, Terra Green Metallic, Eclipse Blue Metallic, Lunar Grey Metallic, Sirius Red, Andromeda Green, Polaris Blue Visit www.ibm.com/pc/us/thinkpad/series/cover.html for a complete list *Supplied by iBrands. Not manufactured or warranted by IBM.	<p style="text-align: center;">OPTIONS</p> <ul style="list-style-type: none"> - 32MB SO DIMM 3.3v NP SDRAM 76H0294 - 64MB SO DIMM 3.3v NP SDRAM 20L0241 - 128MB SO DIMM 3.3v NP SDRAM 01K1150 - Li-Ion Battery 02K6603 - Ultrastim 56 watt AC Adapter (3 prong) 02K6545 - 10/100 EtherJet™ CardBus Adapter 34L1301 - MultiPort USB Hub 00N8215 <p>- Visit www.ibm.com/pc/us/accessories (U.S.) or www.ibm.com/pc/ca/accessories (CA)</p> <p>- ThinkPad Proven™ solutions¹² (visit www.ibm.com/pc/us/thinkpad/proven)</p> <p>- Visit www.ibm.com/pc/us/thinkpad/series (U.S.) or www.ibm.com/pc/ca/thinkpad (CA)</p>																																					
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Color depth	LCD	External Monitor																																				
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800x600	16M	16M	16M	16M																																		
1024x768	16M*	16M	16M	16M																																		
1280x1024	--	256	16K	16K																																		
1600x1200	--	64K	64K	64K																																		

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* For a copy of IBM's Statement of Limited Warranty, call 1-800-772-2227
No warranties are expressed or implied in this summary (1540) © IBM Corp. April 2002

IBM ThinkPad® i Series 1542, 1562, 1592 - withdrawn

IBM® ThinkPad®	i Series 1542	i Series 1562	i Series 1592	All-in-one design means the disk, diskette drive, and CD-ROM are all within the covers of the notebook																																		
Processor type	Intel® Mobile Celeron™ 500MHz ¹ or Mobile Pentium III 500MHz / 100MHz system bus																																					
L2 cache	Celeron: 128KB; Pentium III: 256KB; All: at processor speed / sync pipelined burst / ECC / write-back																																					
Diskette drive	Internal 3.5" 1.44MB / on left side																																					
CD-ROM	CD-ROM / 24X-10X ⁵ speed / CAV / ATAPI / bootable / not removable / on right side																																					
DVD	None / no option available																																					
Audio Control Panel	Media Center with Instant Audio (external CD player controls in front to play music CDs when system off or closed)																																					
Type - model	2651-542	2651-562	2651-592																																			
Processor	Celeron 500MHz	Pentium III 500MHz	Pentium III 500MHz																																			
Disk - size / ms	12GB ⁴ / 12ms read / 14ms write / ATA-66 or PIO4 / S.M.A.R.T. ⁸																																					
Disk controller	EIDE / supports one internal disk / disk can not be removed or upgraded / Ultra DMA/33 or PIO4																																					
Avail / withdrawn date	April 2000 / October 2000																																					
Display	12.1 inch (308mm) TFT color Active Matrix SVGA / 800x600 / 50ms / 120 nits 16.7 million colors / 150 to 1 contrast	14.1 inch (358mm) TFT color Active Matrix XGA / 1024x768 / 70 ms / 130 nits 16.7 million colors / 120 to 1 contrast	15.0 inch (381mm) TFT color Active Matrix XGA / 1024x768 / 80ms / 120 nits 16.7 million colors / 250 to 1 contrast																																			
Graphics - controller	ATI™ Rage Mobility-M™ / Accelerated Graphics Port / AGP 2X / 64-bit graphics / 4MB SDRAM / motion compensation / multiple monitor support ²⁶ / DDC2B																																					
Graphics - features	External SVGA to 1024x768x16.7 million colors at 85Hz and 1280x1024x256 colors																																					
Memory - std / max	64MB / 256MB ¹⁷																																					
Memory - features	SDRAM / non-parity / 100MHz / 3.3 volt / 64-bit data path / 2 sockets for JEDEC 144-pin SO DIMMs / one socket used by std memory / sockets accessed from bottom via removing cover held by phillips-head screws																																					
Keyboard	Full-size 85-key (multiple Fn key functions) / slope with tilt feet / palm rest / four customizable color-coded Easy Launch buttons ¹⁸ / two Windows keys																																					
Keyboard light	1562/92: ThinkLight™ / keyboard light (to work in low light) w/ power button																																					
Pointing	TrackPoint® / Press-to-Select / Release-to-Select / dragging / click pace / center button for scrolling (Internet Scroll Bar) or magnifying glass / spare cap																																					
Dimensions ¹⁹ / weight ²	1542: 12.9x10.6x1.59" front and 1.73" rear / 7.4 lbs 1562: 12.9x10.6x1.59" front and 1.73" rear / 7.6 lbs 1592: 12.9x10.6x1.73" front and 2.00" rear / 7.9 lbs																																					
Battery - type	1542: NiMH / intelligent / right side	1562/92: Li-Ion / intelligent / right side																																				
Battery - life ¹⁰	1542: 2.0 hrs	1562/92: 3.5 hrs																																				
Charge time - on / off	1542: 2.5 hrs on / 2.1 hrs off	1562/92: 4.0 hrs on / 3.1 hrs off																																				
Architecture	Intel 440BX AGPset / PIIX4M (EIDE, USB, PCI to ISA bdg) / AGP for graphics / TI1410 PCMCIA controller / PCI 2.1 32-bit 33Mhz (EIDE, modem, PCMCIA, USB, audio) / ISA (diskette, serial, parallel, infrared) / NS PC97338																																					
Docking station	None																																					
Port replicator	None																																					
PCMCIA™ slots	1 Type I or 1 Type II or 1 Type III / CardBus 32-bit / Zoomed Video																																					
USB / serial / parallel	One USB / one 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)																																					
Other features	ACPI power mgmt / Universal AC adapter, 3 prong, barrel, slim, 56 watts																																					
Video (TV) out	None																																					
Data/fax modem	56K ³ V.90 / integrated in system / Lucent® 1646 / Mini PCI Type IIIb / not voice-capable																																					
Audio	16-bit SoundBlaster Pro™ audio support / PCI / ES1946 / full duplex support																																					
Speakers	Altec Lansing® SoundGuide stereo speakers w/ Dynamic Equalization Circuit™																																					
Audio features	Dial volume control (front side) / internal microphone																																					
Audio in/out jacks	Microphone jack (stereo) / headphone jack (stereo) / line-in jack (all left side)																																					
Infrared ports	None																																					
Security	Power-on password / hard disk password / supervisor password / security keyhole																																					
Limited warranty ¹¹	1 year - ThinkPad EasyServ™ ⁹ (door-to-door depot repair service) or carry-in																																					
Service options ¹⁵	On-site, M-F, 8-5, next bus day (72 cities) / serv up to 5 yrs from purch date																																					
<p>Choose from seven optional color covers (12.1" and 14.0" models only²⁰): Mars Red Metallic, Terra Green Metallic, Eclipse Blue Metallic, Lunar Grey Metallic, Sirius Red, Andromeda Green, Polaris Blue</p> <p>Visit www.ibm.com/pc/us/thinkpad/series/cover.html for a complete list</p>																																						
OPTIONS																																						
<ul style="list-style-type: none"> - 32MB SO DIMM 100MHz NP SDRAM 20L0253 - 64MB SO DIMM 100MHz NP SDRAM 20L0254 - 128MB SO DIMM 100MHz NP SDRAM 20L0255 - Li-Ion Battery 02K6603 - UltraSlim 56 watt AC Adapter (3 prong) 02K6545 - 10/100 EtherJet™ CardBus Adapter 34L1301 - IBM MultiPort USB Bay 00N8215 - IBM Portable Drive Hub 37L1511 																																						
<ul style="list-style-type: none"> - Visit www.ibm.com/pc/us/accessories (U.S.) or www.ibm.com/pc/ca/accessories (CA) - ThinkPad Proven™ solutions¹² (visit www.ibm.com/pc/us/thinkpad/proven) - Visit www.ibm.com/pc/us/thinkpad/series (U.S.) or www.ibm.com/pc/ca/thinkpad (CA) 																																						
<p>Owner Privileges¹³ program</p> <p>PC 98-compliant ACPI enabled Setup Guide, User's Reference, Windows manual, and Quick Reference Card System Status Indicators Plug and Play 1.0a Standby mode and hibernation mode ENERGY STAR-compliant International Warranty Service¹¹ IBM SystemXtra³⁵ 24 hour / 7 day⁷ telephone, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support</p>																																						
<p>- Microsoft® Windows® 2000 Professional</p> <ul style="list-style-type: none"> • Office 2000 Small Business® - Microsoft Word 2000 - Microsoft Excel 2000 - Microsoft Outlook 2000 - Microsoft Publisher 2000 - Microsoft Small Business Tools <ul style="list-style-type: none"> • Online User's Guide • Easy Buttons Utility • IBM Owner Privileges¹³ • ThinkPad Utilities • Marketing Screen Saver • Earthlink • Quicken 2000 • Norton AntiVirus™ (OEM version) • Access ThinkPad • RingCentral Fax • America Online® • ConfigSafe® • IBM Update Connector¹⁴ • PC-Doctor™ (system diagnostics) • IBM Global Network (IGN Dialer) • Netscape Communicator • Adobe Acrobat Reader • RealPlayer G2 ◇ World Book Encyclopedia CD-ROM ◇ Software Selections CD-ROM ◇ Product Recovery CD-ROM <p>- Pressing F1 during startup brings up BIOS Utility</p> <p>- Notebook Manager available during operation</p> <p>All models: - C: drive is FAT32 of entire drive</p>																																						
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Color depth	LCD	External Monitor																																				
Resolution	TFT	60Hz	75Hz	85Hz																																		
640x480	16M	16M	16M	16M																																		
800x600	16M	16M	16M	16M																																		
1024x768	16M*	16M	16M	16M																																		
1280x1024	--	256	16M	16M																																		
1600x1200	--	256	256	--																																		

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IBM ThinkPad® i Series 1720 - withdrawn

IBM® ThinkPad® i Series 1720		<i>All-in-one design means the disk, diskette drive, and CD-ROM are all within the covers of the notebook</i>			
Processor	Intel® Mobile Pentium® II 266MHz ¹ / 66MHz system bus				
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 / removable from UltraBay FX / on right side / integrated with CD-ROM				
External FDD port	None since diskette internal				
CD-ROM	CD-ROM / 24X-10X ⁵ speed / ATAPI / bootable / removable from UltraBay FX / on right side / integrated with diskette drive				
DVD-ROM	Option: Removable UltraBay FX option / 2X ⁵ DVD integrated with diskette drive				
Type - model	2627-720				
UPC code	0-87944-47526-2				
Disk	4.3GB ⁴ / 13ms read / 14ms write / S.M.A.R.T. ⁸ / supports two internal disks				
Disk controller	EIDE / PCI 2.1 / disk can be removed to upgrade by customer				
Avail / withdrawn date	November 1998 / April 2002				
Display - size and type	13.3" TFT color / Active Matrix				
Display - technology	XGA / 640x480 or 800x600 or 1024x768 / 30ms / 120 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	2.5MB / SDRAM (embedded) / motion compensation / color space conversion / interpolation in X and Y axis				
Graphics - features	External SVGA to 1024x768 with 16.7 million colors at 85Hz				
Memory - std / max	Simultaneous LCD and CRT ²⁶ / 150 degree tilt / multiple-monitor support ²⁶				
Memory - features	64MB / 256MB ¹⁷				
Keyboard	SDRAM / non-parity / 66MHz / 3.3 volt / 64-bit				
Pointing	2 sockets for JEDEC 144-pin SO DIMMs / one socket used by std memory sockets accessed from bottom via removing cover held by phillips-head screw				
Dimensions	Full-size 85-key (7 Fn key functions) / keyboard slope with tilt feet / palm rest				The right bay (UltraBay FX) has a device lock on the bottom of the system and a bay LED which should be off to safely remove a device; it supports: <ul style="list-style-type: none"> • standard diskette/CD-ROM (warm swap) • optional second battery (hot swap); same battery as main one • optional second disk (cold swap) • optional ThinkPad Proven™ solutions¹²
Weight ²	TrackPoint® / Press-to-Select / Release-to-Select / dragging / click pace center button for scrolling (Internet Scroll Bar) or magnifying glass / spare caps				
Battery - type / life ¹⁰	Li-Ion / intelligent / 4.25 hrs (1 battery) / left side / supports second battery in UltraBay FX				
Charge time ¹⁰ - on / off	6 hrs on / 3 hrs off				
Architecture	12.4 x 10.1 x 1.8" (225 cubic inches)				All models: - C: drive is FAT16 of 2GB - D: drive is FAT32 of remaining space
Docking station	7.5 lbs (3.4 kg) with battery and disk				
Port replicator	Intel 440BX PCset / Intel PIIX4E (EIDE, PCI to ISA bridge, USB)				WINDOWS 98 PRELOAD¹⁶ <ul style="list-style-type: none"> - Microsoft® Windows® 98 • Online User's Guide • ThinkPad Configuration Program • ThinkPad Customization Center • IntelliQuest Registration 3.0 • Diskette Factory and Utilities • Lotus® SmartSuite Millennium • Quicken 98 • Norton AntiVirus (OEM version) • Rand McNally Trip Maker® • Ring Central Fax • America Online⁶⁶ • ConfigSafe • IBM Update Connector • PC Doctor • IBM Global Network (IGN Dialer) • Netscape Navigator browser • ThinkPad on the Net • Puma IntelliSync 97 ◆ Customization Center CD-ROM ◆ Lotus SmartSuite Millennium CD-ROM ◆ Product Recovery CD-ROM ◆ Tom Lehman Golf Pro 98 ◆ World Book Encyclopedia
PC Card Std slots	Texas Instruments® TI1250A PCMCIA controller / NS PC97338 (FDC, IR, I/O)				
USB / serial / parallel	PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, PCMCIA, USB, audio)				
Other features	ISA (audio, diskette, serial, parallel, infrared, modem)				
Video in/out	None				
MPEG decoder	None (software support for MPEG-1 in Windows 98)				
Data/fax modem	ThinkPad Port Replicator with Advanced EtherJet™ / ThinkPad 560 Port Replic				
Audio	2 Type I, 2 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / Zoomed video				
Speakers	One USB / one 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)				
Audio features	APM-aware BIOS / Universal AC adapter; barrel (56 watts)				
Audio in/out jacks	None				
Infrared ports	None (software support for MPEG-1 in Windows 98)				
Security	56K ³ / V.90 / integrated in system / Lucent 1644 / not voice-capable				
Limited warranty* ¹¹	16-bit SoundBlaster Pro™ support / NeoMagic NMA2 / ISA / full duplex				
Service options ¹⁵	Two Altec Lansing® SoundGuide stereo speakers on display (1 watt)				
	Dial volume control (right side) / internal microphone				
	Microphone jack (stereo) / headphone jack (stereo) / line-in jack				
	Infrared port on left side / IrDA 1.1 compatible / up to 4Mbps				
	Power-on password / setup password / disk password / security keyhole / security screw for UltraBay FX				
	Pressing F1 during startup brings up IBM BIOS Setup Utility				
	Visit www.ibm.com/pc/us/accessories (U.S.) or www.ibm.com/pc/ca/accessories (CA)				
	ThinkPad Proven™ solutions ¹² (visit www.ibm.com/pc/us/thinkpad/proven)				
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	Visit www.ibm.com/pc/us/accessories (U.S.) or www.ibm.com/pc/ca/accessories (CA)				
	ThinkPad Proven™ solutions ¹² (visit www.ibm.com/pc/us/thinkpad/proven)				
	Pressing F1 during startup brings up IBM BIOS Setup Utility				

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, 5 business day average turnaround). The customer may be asked certain diagnostic questions before a courier is sent.

* For a copy of IBM's Statement of Limited Warranty, call 1-800-772-2227

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¹ MHz only measures microprocessor internal clock speed (or bus speed where indicated), not application performance. Other factors also affect application performance.

² Includes battery; actual weight may vary due to vendor components, manufacturing process and options.

³ These 56K V.90 modems are designed to be capable of receiving data at up to 56Kbps from V.90 or K56Flex service equipment, and transmitting data up to about 31.2Kbps. Public networks currently limit maximum download speeds to about 53Kbps. Actual speeds depend on many factors and are often less than the maximum possible.

⁴ GB equals one billion bytes when referring to hard drive capacity. Accessible capacity may be less.

⁵ Variable read rate. Actual playback speed will vary and is often less than the maximum possible.

⁶ 100-hour Internet trial period through America Online with no per day usage limits. Telephone line charges and surcharges may apply. Online service charges will apply after expiration of initial trial period.

⁷ Response time varies. May exclude some holidays. On-site service provided after IBM attempts to resolve the problem remotely.

⁸ S.M.A.R.T. is defined as Self-Monitoring, Analysis and Reporting Technology.

⁹ ThinkPad EasyServ: customer calls 1-800-772-2227, courier service picks up ThinkPad system at most North American locations, IBM repairs and mails back (no shipping charges, most shipping is overnight, five business day average turnaround). Rapid Depot Repair (12-hour turnaround at depot from the time the machine arrives at the depot; three business day average turnaround) is standard for ThinkPad 600 and 770 systems in warranty and included for all ThinkPad systems as part of any mobile warranty upgrade. The customer may be asked certain diagnostic questions before a courier is sent. Service levels are response objectives and are not guaranteed.

¹⁰ Results obtained using BAPCo (Business Applications Performance Corporation) SYSmark Benchmark Test. Battery life (and recharge times)

will vary based on many factors including screen brightness, applications, features, power management, battery conditioning and other customer preferences.

¹¹ For terms and conditions or a copy of IBM's Statement of Limited Warranty, call 1 800 772-2227 in the U.S. and in Canada, call 1 800 465-7999. International warranty service available in those countries where IBM and IBM resellers sell and service ThinkPad products. Registration required. Service level is based on the standard service for ThinkPad notebooks in that particular country.

¹² IBM makes no warranties, expressed or implied regarding ThinkPad Proven products and services, including Year 2000 readiness and any implied warranties of merchantability and fitness for a particular purpose.

¹³ Membership in Owner Privileges is currently included with the purchase of ThinkPad i Series (excluding refurbished machines). Available only in the U.S. and Canada. Registration is required for membership. IBM reserves the right to modify or withdraw this program at any time. Visit www.ibm.com/pc/us/privileges (in Canada www.ibm.com/pc/ca/privileges) for membership details.

¹⁴ Update Connector is available to registered ThinkPad customers during the limited warranty period at no charge. Line charges may apply.

¹⁵ Service options available based on specific ThinkPad notebook purchased; details available via fax by calling 1 800 426-3395 and requesting document #11017 or call your IBM authorized reseller for additional information.

¹⁶ Some software may differ from its shrink-wrapped version (if any) and may not include user manuals or all program functionality. Warranty, service and support for non-IBM products are provided directly to you by third parties, not IBM. IBM makes no representations or warranties regarding non-IBM products. For non-IBM software, applicable third-party software licenses may apply.

¹⁷ Maximum memory varies depending on model, and may require replacement of standard memory with optional maximum memory modules in all available slots.

²⁶ When using multi-monitor with Windows 98, available graphics memory may limit resolution and/or color. Individual application support for this feature will vary.

²⁹ External device must support the same maximum resolution and refresh rate as that of the built-in notebook display.

These systems ship with an operating system.

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IBM Personal Computing Division
Department GFWA
3039 Cornwallis Road
Research Triangle Park, NC 27709

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