

# IBM ThinkPad® i Series 1410, 1450 - withdrawn

IBM® ThinkPad®		i Series 1410		i Series 1450	
Processor type		Intel® Pentium® 266MHz <sup>1</sup> with MMX™ technology / 66MHz system bus			
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 <sup>5</sup> 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	
UPC code		0-87944-47551-4		0-87944-47552-1	
Disk - size / ms		3.2GB <sup>4</sup> / 13ms read / 14ms write		4.3GB / 13ms read / 14ms write	
Disk controller		EIDE / PCI 2.1 / supports one internal disk / disk can not be removed or upgraded			
Avail / Withdrawl 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 16.7 million simultaneous colors / 80 to 1 contrast		XGA / 640x480 or 800x600 or 1024x768 / 30ms / 120 nits 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 Simultaneous LCD and CRT <sup>26</sup> / 150 degree tilt			
Memory - std / max		32MB / 256MB <sup>17</sup>		64MB / 256MB <sup>17</sup>	
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 <sup>2</sup>		13.1 x 10.1 x 1.85" (245 cubic inches) / 7.5 lbs		7.7 lbs	
Battery - type / life <sup>10</sup>		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 <sup>3</sup> / 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 <sup>11</sup>		1 year - EasyServ™ <sup>9</sup> onsite pickup and delivery courier service			
Service options <sup>15</sup>		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:		OPTIONS			
- Power jack		- 32MB SO DIMM 3.3v NP SDRAM 76H0294			
- Parallel connector		- 64MB SO DIMM 3.3v NP SDRAM 20L0241			
- Serial connector		- 128MB SO DIMM 3.3v NP SDRAM 01K1150			
- External mouse connector		- i Series 1400 Port Replicator 05K5591			
- External keyboard connector		- NiMH Battery 02K6525			
- External monitor connector		- Li-Ion Battery (non-intelligent) 02K6576			
- Universal Serial Bus (USB) port		- 45 watt AC Adapter (barrel; 3 prong) 11J8702			
- Headphone jack		- IBM Mini-Mouse (black) 07G0033			
- Line-in jack					
- Microphone jack					
		- Visit www.ibm.com/pc/us/accessories (U.S.) or www.ibm.com/pc/ca/accessories (CA)			
		- ThinkPad Proven™ solutions <sup>12</sup> (visit www.ibm.com/pc/us/thinkpad/proven)			
		Pressing F1 during startup brings up BIOS 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.

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# IBM ThinkPad® i Series 1411, 1451 - withdrawn

IBM® ThinkPad®		i Series 1411		i Series 1451																														
Processor type	Intel® Pentium® 300MHz <sup>1</sup> with MMX™ technology / 66MHz system bus				<b>All-in-one design means the disk, diskette drive, and CD-ROM are all within the covers of the notebook</b>																													
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 <sup>5</sup> 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: - C: drive is FAT16 of 2GB - D: drive is FAT32 of remaining space																													
UPC code	0-87944-47553-8		0-87944-47554-5																															
Disk - size / ms	4.3GB <sup>4</sup> / 13ms read / 14ms write																																	
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		- 4.3GB = DMA Mode 2 or PIO Mode 4 All disks are S.M.A.R.T.* compliant																													
Display - technology	SVGA / 640x480 or 800x600 / 35ms / 120 nits 16.7 million simultaneous colors / 80 to 1 contrast		XGA / 640x480 or 800x600 or 1024x768 / 30ms / 120 nits 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 Simultaneous LCD and CRT <sup>26</sup> / 150 degree tilt																																	
Memory - std / max	32MB / 256MB <sup>17</sup>		64MB / 256MB		<b>WINDOWS 98 PRELOAD<sup>16</sup></b> <ul style="list-style-type: none"><li>- Microsoft® Windows® 98</li><li>• Online User's Guide</li><li>• ThinkPad Configuration Program</li><li>• ThinkPad Customization Center</li><li>• Diskette Factory</li><li>• BIOS Utility</li><li>• Notebook Manager program</li><li>• Sleep Manager program</li><li>• ShortCut Keys Utility</li><li>• SafeOFF Utility</li><li>• IntelliQuest Registration 3.0</li><li>• Lotus® SmartSuite® Millennium</li><li>• Quicken 98</li><li>• Tom Lehman Golf Pro 98</li><li>• World Book Encyclopedia</li><li>• Rand McNally Trip Maker®</li><li>• Norton AntiVirus™ (OEM version)</li><li>• Access ThinkPad</li><li>• Ring Central Fax</li><li>• America Online®<sup>6</sup></li><li>• ConfigSafe®</li><li>• IBM Update Connector</li><li>• PC Doctor™ (system diagnostics)</li><li>• IBM Global Network (IGN Dialer)</li><li>• Netscape Navigator browser</li><li>• ThinkPad on the Net</li><li>♦ Lotus SmartSuite Millennium CD-ROM</li><li>♦ World Book Encyclopedia CD-ROM</li><li>♦ Customization Center CD-ROM</li><li>♦ Product Recovery CD-ROM</li></ul>																													
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 <b>ShortCut Keys</b> / 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 <sup>2</sup>	13.1 x 10.1 x 1.85" (245 cubic inches) / 7.5 lbs		7.7 lbs																															
Battery - type / life <sup>10</sup>	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 / <b>CardBus 32-bit</b> / Zoomed Video (lower slot) PCMCIA 2.1 compatible / PC Card Standard 95																																	
USB / serial / parallel	<b>One USB</b> / 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)																																	
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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 <sup>*,11</sup>	1 year - EasyServ™ <sup>9</sup> onsite pickup and delivery courier service																																	
Service options <sup>15</sup>	On-site, M-F, 8-5, next bus day (72 cities) / service agreements up to 5 yrs from purchase date																																	
<b>The ThinkPad i Series 1400 Port Replicator</b> provide cable management and I/O ports: <ul style="list-style-type: none"><li>- Power jack</li><li>- Parallel connector</li><li>- Serial connector</li><li>- External mouse connector</li><li>- External keyboard connector</li><li>- External monitor connector</li><li>- Universal Serial Bus (USB) port</li><li>- Headphone jack</li><li>- Line-in jack</li><li>- Microphone jack</li></ul>																																		
<table><tr><th></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><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>64K</td><td>64K</td><td>64K</td><td>--</td></tr><tr><td>1280x1024</td><td>--</td><td>--</td><td>--</td><td>--</td></tr></table>						LCD	External Monitor			Resolution	TFT	60Hz	75Hz	85Hz	640x480	16M	16M	16M	16M	800x600	16M	16M	16M	16M	1024x768	64K	64K	64K	--	1280x1024	--	--	--	--
	LCD	External Monitor																																
Resolution	TFT	60Hz	75Hz	85Hz																														
640x480	16M	16M	16M	16M																														
800x600	16M	16M	16M	16M																														
1024x768	64K	64K	64K	--																														
1280x1024	--	--	--	--																														
<b>OPTIONS</b> <ul style="list-style-type: none"><li>- 32MB SO DIMM 3.3v NP SDRAM 76H0294</li><li>- 64MB SO DIMM 3.3v NP SDRAM 20L0241</li><li>- 128MB SO DIMM 3.3v NP SDRAM 01K1150</li><li>- i Series 1400 Port Replicator 05K5591</li><li>- NiMH Battery 02K6525</li><li>- Li-Ion Battery (non-intelligent) 02K6576</li><li>- 45 watt AC Adapter (barrel; 3 prong) 11J8702</li><li>- IBM Mini-Mouse (black) 07G0033</li></ul> <ul style="list-style-type: none"><li>- Visit www.ibm.com/pc/us/accessories (U.S.) or www.ibm.com/pc/ca/accessories (CA)</li><li>- ThinkPad Proven™ solutions<sup>12</sup> (visit www.ibm.com/pc/us/thinkpad/proven)</li><li>- Visit www.ibm.com/pc/us/thinkpad/series (U.S.) or www.ibm.com/pc/ca/thinkpad (CA)</li></ul>																																		

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\* For a copy of IBM's Statement of Limited Warranty, call 1-800-772-2227  
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# IBM ThinkPad® i Series 1412, 1452, 1472 - withdrawn

IBM® ThinkPad®	i Series 1412	i Series 1452	i Series 1472	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 <sup>1</sup> 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 <sup>5</sup> speed / CAV / ATAPI / bootable / not removable / on right side			
DVD	1452/72: 2X-1X <sup>5</sup> 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 <sup>4</sup> / 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	2X-1X DVD-ROM	2X-1X DVD-ROM	
Avail / withdrawn date	June 1999 / September 1999	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 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	32MB / 256MB <sup>17</sup>	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			
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 <sup>2</sup>	13.1 x 10.1 x 1.85" (245 cubic inches) / 1412: 7.4 lbs 1452/72: 7.7 lbs			
Battery - type / life <sup>10</sup>	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	56K <sup>3</sup> 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 <sup>11</sup>	1 year - ThinkPad EasyServ™.9 (door-to-door depot repair service) or carry-in			
Service options <sup>15</sup>	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				
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 - 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 <sup>12</sup> (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)				
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    --    --				
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 Service <sup>11</sup> 24 hour / 7 day telephone <sup>7</sup> , bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support				

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# IBM ThinkPad® i Series 1420, 1460, 1480 - withdrawn

IBM® ThinkPad®	i Series 1420		i Series 1460		i Series 1480		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™ 433 or 466MHz <sup>1</sup> / 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 <sup>5</sup> speed / CAV / ATAPI / bootable / not removable / on right side							
DVD	1460/80: 4X-1X <sup>5</sup> 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 <sup>4</sup> / 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		4X-1X DVD-ROM		4X-1X DVD-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		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 <sup>26</sup> / DDC2B							
Graphics - features	External SVGA to 1024x768x16.7 million colors at 85Hz and 1280x1024x256 colors							
Memory - std / max	32MB / 256MB <sup>17</sup>		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 <sup>2</sup>	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 <sup>10</sup>	1420: 2.0 hrs 1460/80: 3.0 hrs							
Charge time <sup>10</sup> - 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 / one (IEEE P1284-A, EPP, ECP, bidirectional)							
Other features	ACPI power mgmt / Universal AC adapter, 3 prong, barrel, slim, 56 watts							
Video (TV) out	1420: None 1460/80: 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 <sup>3</sup> 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							
Supported oper system	Windows 98 only							
Limited warranty <sup>11</sup>	1 year - ThinkPad EasyServ™ <sup>9</sup> (door-to-door depot repair service) or carry-in							
Service options <sup>15</sup>	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 <a href="http://www.ibm.com/pc/us/thinkpad/series/cover.html">www.ibm.com/pc/us/thinkpad/series/cover.html</a> for more information and to order  *Supplied by iBrands under license. Not manufactured or warranted by IBM.			<b>OPTIONS</b>  - 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  - Visit <a href="http://www.ibm.com/pc/us/accessories">www.ibm.com/pc/us/accessories</a> (U.S.) or <a href="http://www.ibm.com/pc/ca/accessories">www.ibm.com/pc/ca/accessories</a> (CA)  - ThinkPad Proven™ solutions <sup>12</sup> (visit <a href="http://www.ibm.com/pc/us/thinkpad/proven">www.ibm.com/pc/us/thinkpad/proven</a> )  - Visit <a href="http://www.ibm.com/pc/us/thinkpad/series">www.ibm.com/pc/us/thinkpad/series</a> (U.S.) or <a href="http://www.ibm.com/pc/ca/thinkpad">www.ibm.com/pc/ca/thinkpad</a> (CA)			<b>FEATURES</b>  <b>Owner Privileges<sup>13</sup> program</b> <b>PC 98-compliant</b> ACPI enabled Setup Guide, User's Reference, Windows 98 manual, and Quick Reference Card System Status Indicators Plug and Play 1.0a Standby mode and hibernation mode ENERGY STAR-compliant <b>International Warranty Service<sup>11</sup></b> <b>24 hour / 7 day<sup>7</sup> telephone, bulletin board, fax, electronic, and Internet (<a href="http://www.ibm.com/pc/us">www.ibm.com/pc/us</a>) support</b>		
<b>Color depth</b>	<b>LCD</b>	<b>External Monitor</b>						
<b>Resolution</b>	<b>TFT</b>	<b>60Hz</b>	<b>75Hz</b>	<b>85Hz</b>				
640x480	16M	16M	16M	16M				
800x600	16M	16M	16M	16M				
1024x768	16M*	16M	16M	16M				
1280x1024	--	16M	16M	16M				
1600x1200	--	64K	64K	64K				
* 14.1" model only								

**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 <sup>1</sup> / 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 <sup>5</sup> speed / CAV / ATAPI / bootable / not removable / on right side																																						
DVD	1441: 4X-1X <sup>5</sup> 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 <sup>4</sup> / 12ms read / 14ms write / ATA-66 / S.M.A.R.T. <sup>8</sup>	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 <sup>26</sup> / DDC2B																																						
Graphics - features	External SVGA to 1024x768x16.7 million colors at 85Hz and 1280x1024x256 colors																																						
Memory - std / max	32MB / 256MB <sup>17</sup>	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 <sup>18</sup> / 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 <sup>19</sup> / weight <sup>2</sup>	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 <sup>10</sup>	1421: 2.0 hrs	1441: 3.0 hrs																																					
Charge time <sup>10</sup> - on / off	1421: 2.5 hrs on / 2.1 hrs off	1441: 4.0 hrs on / 3.1 hrs off																																					
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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 <a href="http://www.ibm.com/pc/us/thinkpad/series/cover.html">www.ibm.com/pc/us/thinkpad/series/cover.html</a> for more information and to order *Supplied by iBrands under license. Not manufactured or warranted by IBM.		<b>OPTIONS</b> - 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 - Visit <a href="http://www.ibm.com/pc/us/accessories">www.ibm.com/pc/us/accessories</a> (U.S.) or <a href="http://www.ibm.com/pc/ca/accessories">www.ibm.com/pc/ca/accessories</a> (CA) - ThinkPad Proven™ solutions <sup>12</sup> (visit <a href="http://www.ibm.com/pc/us/thinkpad/proven">www.ibm.com/pc/us/thinkpad/proven</a> ) - Visit <a href="http://www.ibm.com/pc/us/thinkpad/series">www.ibm.com/pc/us/thinkpad/series</a> (U.S.) or <a href="http://www.ibm.com/pc/ca/thinkpad">www.ibm.com/pc/ca/thinkpad</a> (CA)																																					
<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	<b>FEATURES</b> <b>Owner Privileges<sup>13</sup> program</b> <b>PC 98-compliant</b> ACPI enabled Setup Guide, User's Reference, Windows 98 manual, and Quick Reference Card System Status Indicators Plug and Play 1.0a Standby mode and hibernation mode ENERGY STAR-compliant International Warranty Service <sup>11</sup> IBM SystemXtra <sup>®35</sup> 24 hour / 7 day <sup>7</sup> telephone, bulletin board, fax, electronic, and Internet ( <a href="http://www.ibm.com/pc/us">www.ibm.com/pc/us</a> ) support		
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**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 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 <sup>1</sup> or Mobile Pentium III 500MHz / 100MHz system bus				<b>All-in-one design means the disk, diskette drive, and CD-ROM are all within the covers of the notebook</b>
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 <sup>5</sup> speed / CAV / ATAPI / bootable / not removable / right side				
DVD	1442/82/92: 6X-1X <sup>5</sup> DVD-ROM / bootable / not removable / on right side				
Audio Control Panel	<b>Media Center with Instant Audio</b> (external CD player controls in front to play music CDs when system off or closed)				
Type - model	<b>2621-422</b>	<b>2621-442</b>	<b>2621-482</b>	<b>2621-483</b>	<b>2621-492</b>
Processor	Celeron 500MHz	Celeron 500MHz	Celeron 500MHz	Pentium III 500MHz	Pentium III 500MHz
CD or DVD	<b>24X-10X CD-ROM</b>	<b>6X-1X DVD-ROM</b>	<b>6X-1X DVD-ROM</b>	<b>24X-10X CD-ROM</b>	<b>6X-1X DVD-ROM</b>
Disk - size / ms	<b>6.0GB<sup>4</sup></b> / 12ms read / 14ms write / ATA-66 or PIO4		<b>12.0GB</b> / 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. <sup>8</sup>				
Avail / withdrawn date	March 2000 / October 2000				
Display (diagonal)	<b>13.0" HPA / SVGA</b>	<b>12.1" TFT / SVGA</b>	<b>14.1" TFT / XGA</b>	<b>14.1" TFT / XGA</b>	<b>15.0" TFT / XGA</b>
Display	<b>12.1 inch</b> (308mm) <b>TFT color</b> / Active Matrix <b>SVGA</b> / 640x480 or <b>800x600</b> / 50ms / 120 nits <b>16.7 million simultaneous colors</b> / 150 to 1 contrast		<b>13.0 inch</b> (330mm) <b>HPA color</b> / Dual Scan <b>SVGA</b> / 640x480 or <b>800x600</b> / 150ms / 100 nits <b>16.7 million simultaneous colors</b> / 50 to 1 contrast		
	<b>14.1 inch</b> (358mm) <b>TFT color</b> / Active Matrix <b>XGA</b> / 640x480 or 800x600 or <b>1024x768</b> / 70ms / 130 nits <b>16.7 million simultaneous colors</b> / 120 to 1 contrast		<b>15.0 inch</b> (381mm) <b>TFT color</b> / Active Matrix <b>XGA</b> / 640x480 or 800x600 or <b>1024x768</b> / 80ms / 120 nits <b>16.7 million simultaneous colors</b> / 250 to 1 contrast		
Graphics - controller	<b>ATI™ Rage Mobility-M™ / Accelerated Graphics Port</b> / AGP 2X / 64-bit graphics / <b>4MB SDRAM / motion compensation</b> / multiple monitor support <sup>26</sup> / DDC2B				
Graphics - features	External SVGA to 1024x768x16.7 million colors at 85Hz and 1280x1024x256 colors				
Memory - std / max	<b>32MB / 256MB<sup>17</sup></b>	<b>64MB / 256MB</b>	<b>64MB / 256MB</b>	<b>64MB / 256MB</b>	<b>64MB / 256MB</b>
Memory - features	<b>SDRAM</b> / 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 <b>Easy Launch buttons<sup>18</sup></b> / two Windows keys				
Keyboard light	1482/83/92: <b>ThinkLight™</b> / 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 <sup>19</sup>	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 <sup>2</sup>	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 <sup>10</sup>	1422/42/82: 2.0 hrs 1483/92: 3.5 hrs				
Charge time <sup>10</sup> - on / off	1422/42/82: 2.5 hrs on / 2.1 hrs off 1483/92: 4.0 hrs on / 3.1 hrs off				
Architecture	<b>Intel 440BX AGPset / PIIX4M</b> (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 / <b>CardBus 32-bit</b> / Zoomed Video				
USB / serial / parallel	<b>One USB</b> / 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	<b>56K<sup>3</sup></b> V.90 / integrated in system / Lucent® 1646 / Mini PCI Type IIIb /				
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 <sup>11</sup>	<b>1 year - ThinkPad EasyServ™<sup>9</sup></b> (door-to-door depot repair service) or carry-in				
Service options <sup>15</sup>	On-site, M-F, 8-5, next bus day (72 cities)				
Choose from seven optional color covers (12.1" and 14.0" models only <sup>20</sup> ): Mars Red Metallic, Terra Green Metallic, Eclipse Blue Metallic, Lunar Grey Metallic, Sirius Red, Andromeda Green, Polaris Blue		<b>OPTIONS</b>			<b>WINDOWS 98 PRELOAD<sup>16</sup></b> <ul style="list-style-type: none"><li>• Microsoft® Windows® 98 Second Edition</li><li>• ThinkPad Utilities</li><li>• Easy Buttons Utility</li><li>• Access ThinkPad</li><li>• Intelligent Online Information System</li><li>• IBM Owner Privileges<sup>13</sup></li><li>• MediaMatics DVD (DVD models)</li><li>• Marketing Screen Saver</li><li>• Marketing Demo</li><li>• Earthlink</li><li>• Quicken 2000</li><li>• Norton AntiVirus™ (OEM version)</li><li>• RingCentral Fax</li><li>• America Online<sup>66</sup></li><li>• ConfigSafe®</li><li>• IBM Update Connector<sup>14</sup></li><li>• PC-Doctor™ (system diagnostics)</li><li>• IBM Global Network (IGN Dialer)</li><li>• Netscape Communicator</li><li>• ThinkPad on the Net</li><li>• Adobe Acrobat Reader</li><li>• Real Player G2</li><li>• Real Jukebox</li><li>• Lotus® SmartSuite® Millennium CD-ROM</li><li>• Tom Lehman Golf Pro 98/99/2000 CD</li><li>• World Book Encyclopedia CD-ROM</li><li>• Software Selections CD-ROM</li><li>• Product Recovery CD-ROM</li></ul> <ul style="list-style-type: none"><li>- Pressing F1 during startup brings up BIOS Utility</li><li>- Notebook Manager available during operation</li></ul> All models: <ul style="list-style-type: none"><li>- C: drive is FAT16 of 2GB</li><li>- D: drive is FAT32 of remaining space</li></ul> <b>FEATURES</b> <b>Owner Privileges<sup>13</sup> program</b> <b>PC 98-compliant</b> 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 <b>International Warranty Service<sup>11</sup></b> <b>24 hour / 7 day<sup>7</sup> telephone, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support</b>
Visit <a href="http://www.ibm.com/pc/us/thinkpad/iseries/cover.html">www.ibm.com/pc/us/thinkpad/iseries/cover.html</a> for more information and to order		- 32MB SO DIMM 100MHz NP SDRAM 20L0253			
* 12.1" and 14.0" models only <sup>20</sup>		- 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			
		- Visit <a href="http://www.ibm.com/pc/us/accessories">www.ibm.com/pc/us/accessories</a> (U.S.) or <a href="http://www.ibm.com/pc/ca/accessories">www.ibm.com/pc/ca/accessories</a> (CA)			
		- ThinkPad Proven™ solutions <sup>12</sup> (visit <a href="http://www.ibm.com/pc/us/thinkpad/proven">www.ibm.com/pc/us/thinkpad/proven</a> )			
		- Visit <a href="http://www.ibm.com/pc/us/thinkpad/iseries">www.ibm.com/pc/us/thinkpad/iseries</a> (U.S.) or <a href="http://www.ibm.com/pc/ca/thinkpad">www.ibm.com/pc/ca/thinkpad</a> (CA)			
<b>Color depth</b>	<b>LCD</b>	<b>External Monitor</b>			
<b>Resolution</b>	<b>TFT</b>	<b>60Hz</b>	<b>75Hz</b>	<b>85Hz</b>	
640x480	16M	16M	16M	16M	
800x600	16M	16M	16M	16M	
1024x768	16M*	16M	16M	16M	
1280x1024	--	16M	16M	64K	
1600x1200	--	256	256	--	
* 14.1 and 15.0" models only					

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