

Type-model	Processor	Speed GHz	Memory	Screen	Disk GB <sup>8</sup>	Optical	Mini PCI Comm Bay wireless	CDC modem	Ethernet on planar	Battery	Preload	Workhorse (W) or Global (G) model	Avail date	
2388-1NU	Celeron®	2.0	128MB	14.1" XGA	20GB	DVD	None	Modem	10/100	12-cell Li-Ion	XP Pro	No	Apr 2003	
2388-17U	Celeron	2.0	128MB	15.0" XGA	20GB	Combo	None	Modem	10/100	12-cell Li-Ion	XP Pro	No	Apr 2003	
2388-18U	Celeron	2.0	256MB	15.0" XGA	20GB	Combo	11b Wi-Fi <sup>32</sup>	Modem	10/100	12-cell Li-Ion	XP Pro	No	Apr 2003	
2388-1QU	Celeron	2.0	256MB	14.1" XGA	40GB	Combo	11b Wi-Fi	Modem	10/100	12-cell Li-Ion	XP Pro	No	Apr 2003	
2388-2MU	Pentium® 4	2.4	256MB	14.1" XGA	20GB	DVD	None	Modem	10/100	12-cell Li-Ion	XP Pro	No	Apr 2003	
2388-2UU	Pentium 4	2.4	256MB	14.1" XGA	40GB	DVD	11b Wi-Fi	Modem	10/100	12-cell Li-Ion	XP Pro	No	Apr 2003	
2388-2VU	Pentium 4	2.4	256MB	14.1" XGA	40GB	Combo	11b Wi-Fi	Modem	10/100	12-cell Li-Ion	XP Pro	No	Apr 2003	
2388-3BU	Pentium 4	2.4	256MB	15.0" XGA	20GB	DVD	11b Wi-Fi	Modem	10/100	12-cell Li-Ion	XP Pro	No	Apr 2003	
2388-3CU	Pentium 4	2.4	256MB	15.0" XGA	20GB	DVD	None	Modem	10/100	12-cell Li-Ion	XP Pro	No	Apr 2003	
2388-3HU	Pentium 4	2.4	256MB	15.0" XGA	40GB	Combo	11b Wi-Fi	Modem	10/100	12-cell Li-Ion	XP Pro	No	Apr 2003	
2388-3JU	Pentium 4	2.4	256MB	15.0" XGA	40GB	Combo	None	Modem	10/100	12-cell Li-Ion	XP Pro	No	Apr 2003	
2388-4PU	Pentium 4	2.8	256MB	15.0" XGA	40GB	Combo	None	Modem	10/100	6-cell Li-Ion	XP Pro	No	Apr 2003	
2388-4QU	Pentium 4	2.8	256MB	15.0" XGA	40GB	Combo	11b Wi-Fi	Modem	10/100	12-cell Li-Ion	XP Pro	No	Apr 2003	
2388-51U	Pentium 4	3.0	256MB	15.0" XGA	40GB	Combo	None	Modem	10/100	12-cell Li-Ion	XP Pro	No	May 2003	
2388-5BU	Pentium 4	3.0	256MB	15.0" SXGA+	40GB	Combo	11b Wi-Fi	Modem	10/100	12-cell Li-Ion	XP Pro	No	May 2003	
2388-5DU	Pentium 4	3.0	256MB	15.0" SXGA+	40GB	Combo	None	Modem	10/100	12-cell Li-Ion	XP Pro	No	May 2003	
Positioning Processor	<i>Powerful desktop replacement; three-spindle system</i> <b>Intel® Celeron 2.0GHz<sup>37</sup></b> with 400MHz frontside bus or <b>Intel Pentium 4 at 2.4, 2.8 or 3.0GHz<sup>37</sup></b> with 400MHz frontside bus <i>Celeron: 128KB; Pentium 4: 512KB; All:</i> on die (at processor speed) / ECC <b>128 or 256MB</b> std / 1GB max <sup>7</sup> / <b>PC2100</b> 266MHz DDR1 / non-parity / CL2.5 / two 200-pin SO-DIMM sockets / std memory in one socket / one socket available										<b>SOFTWARE<sup>14</sup></b> <b>Windows XP Professional</b> - Microsoft® Windows® XP Professional <sup>20</sup> ♦ Disk-to-Disk Recovery (in hidden protected area)			
L2 cache Memory											<b>Preloaded</b> • Access IBM - Access Connections • Adobe Reader • IBM Rapid Restore™ PC • IBM RecordNOW and DLA by Veritas (combo models) • InterVideo WinDVD (combo, DVD) • Norton AntiVirus (OEM edition) • PC-Doctor™ • ThinkPad Utilities • IBM Update Connector™. <sup>15</sup>			
Diskette drive DVD Combo Disk	3.5" 1.44MB / fixed, not removable / 12.7mm high <i>Some:</i> DVD-ROM / 24X-8X <sup>9</sup> speed / fixed, not removable / 12.7mm high <i>Some:</i> DVD-ROM/CD-RW / 24X/10X/24X/8X <sup>21</sup> speed / fixed, not removable / 12.7mm <b>20GB<sup>8</sup> or 40GB<sup>8</sup></b> , 4200 rpm, 9.5mm high / removable / 9.5mm high bay										<b>Downloadable</b> • IBM Director Agent • Software Delivery Assistant • System Migration Assistant <b>License</b> (CD not included) - Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client			
Display	<i>Some:</i> <b>14.1"</b> (358.1mm) <b>XGA (1024x768) TFT color</b> / Active Matrix / 150 nits <i>Some:</i> <b>15.0"</b> (381.0mm) <b>XGA (1024x768) TFT color</b> / Active Matrix / 150 nits <i>Some:</i> <b>15.0"</b> (381.0mm) <b>SXGA+ (1400x1050) TFT color</b> / Active Matrix / 150 nits <i>All:</i> One latch to unlatch and open with one hand										Universal 120 watt AC adapter Asset ID™. <sup>34</sup> (system-specific info in chip accessed over network) PC 2001 and PXE 2.0-compliant ACPI 1.0b and 2.0-compliant CIM and DMI 2.0-compliant IBM ImageUltra™ Services available IBM Rapid Restore PC available to protect software image and data International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free warranty support during the warranty <sup>12</sup>			
Graphics	<b>Integrated Intel Extreme™ Graphics</b> / Direct AGP / in 852GM GMCH / uses main memory (8 to 32MB with 128MB memory; 8 to 64MB with 256MB+) / 133MHz / DMVT External monitor support via analog DB-15 connector / up to 1600x1200 at 85Hz / DDC2B ThinkPad EasyPivot base allows smooth positioning for a comfortable viewing angle										ServicePac®, <sup>22</sup> 1 yr IOR 9x5 NBD 30L9188			
Graphics external EasyPivot	87-key / Access IBM button / palm rest / pitch: 19mm; stroke: 2.7mm (std-size keys) ThinkPad ComfortSlant keyboard with built-in incline provides maximum typing comfort TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass / soft dome TrackPoint cap / ships with classic dome and soft rim TrackPoint cap No touch pad (UltraNav™ multi-pointing system) / no ThinkLight™										ServicePac 2 yr IOR 9x5 NBD 30L9189			
Keyboard ComfortSlant TrackPoint®	12.9" x 11.1" x 1.5-2.0"; 329mm x 282.5mm x 37.1-50.9mm; <i>Volume:</i> 4 liters with optical drive and battery: 7.94 to 8.89 lb (3.6 to 4.0kg) <i>Color:</i> Black; <i>All:</i> Acrylonitrile-Butadiene-Styrene/Polycarbonate (ABS/PC) plastic Lithium Ion 6 or 12-cell / intelligent / removable <i>4PU:</i> 1.24 hr; <i>4QU:</i> 2.48 hr; <i>2.0GHz models:</i> 3.0 hr; <i>2.4GHz:</i> 3.3 hr; <i>3.0GHz:</i> 2.0 hr										ServicePac 3 yr IOR 9x5 NBD 30L9195			
Touch pad											ServicePac 4 yr IOR 9x5 NBD 30L9194			
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material Battery - type Battery - life <sup>10</sup>											ServicePac 5 yr IOR 9x5 NBD 30L9196			
Architecture	<b>Intel 852GM</b> chipset / 82852GM Graphics Memory Controller Hub (GMCH) / 82801DBM ICH4-M I/O Controller Hub (ATA-100 EIDE, PCI bus, ethernet MAC, Low Pin Count (LPC) interface, USB, Firmware Hub) / PCI bus 2.2 32-bit, 33MHz (TI® PCI1410A CardBus controller, Mini PCI) / LPC bus 33MHz (PC87393F Super I/O for diskette, parallel, PS/2) One Type I, one Type II, or one Type III / CardBus 32-bit / PCMCIA 2.1 / integrated door Four USB (Version 2.0) / parallel / external monitor (DB-15) / RJ-11 (modem) / RJ-45 (ethernet) / PS/2 (for keyboard or mouse) / no serial or infrared or IEEE 1394 or video out										ServicePac 2 yr P&L P/U Depot 30L9191			
PC Card Std slots Ports	<i>Some (wireless models):</i> UltraConnect™ Antenna built into the display cover One Mini PCI type III slot (Communications Bay) / not customer upgradable <i>Some:</i> Empty / not customer upgradable <i>Some:</i> 11b Wi-Fi <sup>32</sup> wireless <sup>4</sup> , Mini PCI, Intersil® Prism 2.5 chipset One Communications Daughter Card (CDC) socket (used by modem) / not accessible 56K <sup>6</sup> V.90 (V.92-designed <sup>29</sup> ) modem in CDC / Agere® chipset None 10/100 ethernet on planar / Broadcom® BCM5901 (PHY/MAC) / PXE / Wake on LAN® Soft audio / ICH AC97 controller / DirectSound® support / AD1981B AC97 codec / mono speaker / 2 watt / volume up, down, mute buttons / no internal mic / microphone input jack (3.5 mm) / headphone jack (3.5 mm) / no line in jack Power-on password / hard disk password / supervisor password / security keyhole None										ServicePac 3 yr P&L P/U Depot 30L9192			
Wireless antenna Mini PCI None 11b Wi-Fi <sup>32</sup> CDC Modem Bluetooth Ethernet Audio support											ServicePac 4 yr P&L P/U Depot 69P9195			
Security Security chip											ServicePac 5 yr P&L P/U Depot 69P9197			
Limited warranty <sup>12</sup>	<b>1 year</b> - EasyServ™. <sup>19</sup> onsite pickup and delivery										Other ServicePac options at <b>ibm.com/services/its/us/source/ wamomxeu.pdf</b> Post-warranty annual maintenance agreements at <b>ibm.com/services/its/us/source/ maspspleu.pdf</b>			
128MB PC2700 DDR-SDRAM CL2.5 SOD				31P9828	ThinkPad G40 Li-Ion Battery 12-cell				08K8178					
256MB PC2700 DDR-SDRAM CL2.5 SOD				31P9830	ThinkPad 120W AC Adapter				22P9150					
512MB PC2700 DDR-SDRAM CL2.5 SOD				31P9832	IBM H Rate Wireless LAN PC Card 128				09N9904					
IBM USB 2.0 Portable Multi-Burner Drive				22P9163	IBM 11a/b/g Wireless CardBus Adapter				31P9101					
IBM USB 2.0 Portable 40GB Hard Drive				22P7196	GemPC400 Smart Card Reader/Writer				31P8901					
IBM USB 2.0 Memory Key 256MB				22P9228	ThinkPad Monitor Stand 2001				22P5265					
IBM USB 2.0 Memory Key 512MB				22P9230	ThinkPad Nylon Carrying Case				10K0207					
IBM 4GB Microdrive™ with PC Card				09N4280	ThinkPad Leather Carrying Case				10K0209					
IBM Optical 3-Button Travel Wheel Mouse				31P7410	Keyboard/Mouse Connector				07G3793					
IBM Optical 3-Button ScrollPoint® Mouse				31P7405	IBM USB Keyboard with UltraNav				31P8950					
IBM Optical 3-Button ScrollPoint Pro Mouse				31P8700	IBM Enhanced Performance USB Keybrd				73P2620					
IBM USB Serial Parallel Adapter				22P5298	Other options at <b>ibm.com/pc/us/accessories</b>									

See footnotes for important warranty information  
 US models announced April 22, 2003  
 US models withdrawn effective October 2003 or January 2005

Type-model	Processor	Speed GHz	Memory	Screen	Disk GB <sup>8</sup>	Optical	Mini PCI Comm Bay wireless	CDC modem	Ethernet on planar	Battery	Workhorse (W) or Global (G) Preload or Entry (E)	Avail date	
2388-7DU	Celeron®	2.2	256MB	14.1" XGA	30GB	CD	None	Modem	10/100	6-cell Li-Ion	XP Pro	No	Oct 2003
2388-7NU	Celeron	2.2	256MB	14.1" XGA	30GB	Combo	None	Modem	10/100	12-cell Li-Ion	XP Pro	No	Oct 2003
2388-8GU	Celeron	2.2	256MB	15.0" XGA	40GB	DVD	None	Modem	10/100	6-cell Li-Ion	XP Pro	No	Oct 2003
2388-8JU	Celeron	2.2	256MB	15.0" XGA	40GB	Combo	None	Modem	10/100	12-cell Li-Ion	XP Pro	No	Oct 2003
2388-9DU	Pentium® 4	2.6	256MB	14.1" XGA	20GB	DVD	None	Modem	10/100	6-cell Li-Ion	XP Pro	No	Oct 2003
2388-9HU	Pentium 4	2.6	256MB	14.1" XGA	30GB	DVD	None	Modem	10/100	12-cell Li-Ion	XP Pro	No	Oct 2003
2388-9JU	Pentium 4	2.6	256MB	14.1" XGA	30GB	Combo	None	Modem	10/100	12-cell Li-Ion	XP Pro	No	Oct 2003
2388-9RU	Pentium 4	2.6	256MB	14.1" XGA	40GB	Combo	11a/b Wi-Fi <sup>27</sup>	Modem	10/100	12-cell Li-Ion	XP Pro	No	Oct 2003
2388-AKU	Pentium 4	2.6	256MB	15.0" XGA	20GB	DVD	None	Modem	10/100	6-cell Li-Ion	XP Pro	No	Oct 2003
2388-ANU	Pentium 4	2.6	256MB	15.0" XGA	30GB	Combo	None	Modem	10/100	12-cell Li-Ion	XP Pro	No	Oct 2003
2388-ASU	Pentium 4	2.6	256MB	15.0" XGA	40GB	Combo	None	Modem	10/100	6-cell Li-Ion	XP Pro	No	Oct 2003
2388-ATU	Pentium 4	2.6	256MB	15.0" XGA	40GB	Combo	11a/b Wi-Fi	Modem	10/100	12-cell Li-Ion	XP Pro	No	Oct 2003
2388-AWU	Pentium 4	2.6	256MB	15.0" XGA	60GB	Combo	11a/b Wi-Fi	Modem	10/100	12-cell Li-Ion	XP Pro	No	Oct 2003
2388-B1U	Pentium 4	2.6	256MB	15.0" SXGA+	30GB	Combo	None	Modem	10/100	12-cell Li-Ion	XP Pro	No	Oct 2003
2388-B3U	Pentium 4	2.6	256MB	15.0" SXGA+	40GB	Combo	11a/b Wi-Fi	Modem	10/100	12-cell Li-Ion	XP Pro	No	Oct 2003
2388-BFU	Pentium 4	3.0	256MB	15.0" XGA	60GB	Combo	None	Modem	10/100	12-cell Li-Ion	XP Pro	No	Oct 2003
2388-BLU	Pentium 4	3.0	256MB	15.0" SXGA+	40GB	Combo	None	Modem	10/100	12-cell Li-Ion	XP Pro	No	Oct 2003
2388-BMU	Pentium 4	3.0	256MB	15.0" SXGA+	60GB	Combo	None	Modem	10/100	12-cell Li-Ion	XP Pro	No	Oct 2003
2388-BNU	Pentium 4	3.0	512MB	15.0" SXGA+	60GB	Combo	11a/b Wi-Fi	Modem	10/100	12-cell Li-Ion	XP Pro	No	Oct 2003
2388-B9U	Pentium 4	3.0	256MB	15.0" XGA	40GB	Combo	11a/b Wi-Fi	Modem	10/100	12-cell Li-Ion	XP Pro	No	Oct 2003
Positioning Processor	Powerful desktop replacement; three-spindle system Intel® Celeron 2.2GHz <sup>37</sup> with 400MHz system bus or Intel Pentium 4 at 2.6 or 3.0GHz <sup>37</sup> with 400MHz system bus Celeron: 128KB; Pentium 4: 512KB; All: on die (at processor speed) / ECC 256 or 512MB std / 1GB max <sup>7</sup> / PC2100 266MHz DDR1 / non-parity / CL2.5 / two 200-pin SO-DIMM sockets / std memory in one socket / one socket available										SOFTWARE <sup>14</sup>  Windows XP Professional  - Microsoft® Windows® XP Professional <sup>20</sup> ♦ Disk-to-Disk Recovery (in hidden protected area)		
L2 cache											Preloaded		
Memory											• Access IBM - Access Connections • Adobe Reader • IBM Rapid Restore™ PC • IBM RecordNOW and DLA by Veritas (combo models) • InterVideo WinDVD (combo, DVD) • Norton AntiVirus (OEM edition) • PC-Doctor™ • ThinkPad Utilities • IBM Update Connector™. <sup>15</sup>		
Diskette drive	3.5" 1.44MB / fixed, not removable / 12.7mm high										Downloadable		
CD	Some: CD-ROM / 24X-10X <sup>9</sup> speed / fixed, not removable / 12.7mm high										• IBM Director Agent		
DVD	Some: DVD-ROM / 24X-8X <sup>9</sup> speed / fixed, not removable / 12.7mm high										• Software Delivery Assistant		
Combo	Some: DVD-ROM/CD-RW / 24X/10X/24X/8X <sup>21</sup> speed / fixed, not removable / 12.7mm										• System Migration Assistant		
Disk	20GB <sup>8</sup> , 40GB, or 60GB / 4200 rpm / 9.5mm high / removable / 9.5mm high bay										License (CD not included)		
Display	Some: 14.1" (358.1mm) XGA (1024x768) TFT color / Active Matrix / 150 nits Some: 15.0" (381.0mm) XGA (1024x768) TFT color / Active Matrix / 150 nits Some: 15.0" (381.0mm) SXGA+ (1400x1050) TFT color / Active Matrix / 150 nits										- Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client		
Graphics	Integrated Intel Extreme™ Graphics / Direct AGP / in 852GM GMCH / uses main memory (8 to 32MB with 128MB memory; 8 to 64MB with 256MB+) / 133MHz / DMVT										Universal 120 watt AC adapter		
Graphics external	External monitor support via analog DB-15 connector / up to 1600x1200 at 85Hz / DDC2B										Asset ID™. <sup>34</sup> (system-specific info in chip accessed over network)		
EasyPivot	ThinkPad EasyPivot base allows smooth positioning for a comfortable viewing angle										PC 2001 and PXE 2.0-compliant ACPI 1.0b and 2.0-compliant CIM and DMI 2.0-compliant		
Keyboard	87-key / Access IBM button / palm rest / pitch: 19mm; stroke: 2.7mm (std-size keys)										IBM ImageUltra™ Services available		
ComfortSlant	ThinkPad ComfortSlant keyboard with built-in incline provides maximum typing comfort										IBM Rapid Restore PC available to protect software image and data		
TrackPoint®	TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass / soft dome TrackPoint cap / ships with classic dome and soft rim TrackPoint cap										International Warranty Service <sup>17</sup>		
Touch pad	No touch pad (UltraNav™ multi-pointing system) / no ThinkLight™										24 hour x 7 day <sup>18</sup> toll-free warranty support during the warranty <sup>12</sup> via 800-IBM-SERV (426-7378)		
Dimensions <sup>3</sup>	12.9" x 11.1" x 1.5-2.0"; 329mm x 282.5mm x 37.1-50.9mm; Volume: 4 liters										ServicePac®. <sup>22</sup> 1 yr IOR 9x5 NBD		
Weight <sup>2</sup>	with optical drive and battery: 7.64 to 8.89 lb (3.5 to 4.0kg)										30L9188		
Case material	Color: Black; All: Acrylonitrile-Butadiene-Styrene/Polycarbonate (ABS/PC) plastic										ServicePac 2 yr IOR 9x5 NBD		
Battery - type	Lithium Ion 6 or 12-cell / intelligent / removable										30L9189		
Battery - life <sup>10</sup>	6-cell models: 1.3 hr; 12-cell 3.0GHz models: 2.0 hr; other 12-cell models: 3.0 hr										ServicePac 3 yr IOR 9x5 NBD		
Architecture	Intel 852GM chipset / 82852GM Graphics Memory Controller Hub (GMCH) / 82801DBM ICH4-M I/O Controller Hub (ATA-100 EIDE, PCI bus, ethernet MAC, Low Pin Count (LPC) interface, USB, Firmware Hub) / PCI bus 2.2 32-bit, 33MHz (TI® PCI1410A CardBus controller, Mini PCI) / LPC bus 33MHz (PC87393F Super I/O for diskette, parallel, PS/2)										30L9195		
PC Card Std slots	One Type I, one Type II, or one Type III / CardBus 32-bit / PCMCIA 2.1 / integrated door										ServicePac 4 yr IOR 9x5 NBD		
Ports	Four USB (Version 2.0) / parallel / external monitor (DB-15) / RJ-11 (modem) / RJ-45 (ethernet) / PS/2 (for keyboard or mouse) / no serial or infrared or IEEE 1394 or video out										30L9194		
Wireless antenna	Some (wireless models): UltraConnect™ Antenna built into the display cover										ServicePac 5 yr IOR 9x5 NBD		
Mini PCI	One Mini PCI type III slot (Communications Bay) / not customer upgradable										30L9196		
None	Some: empty / not customer upgradable										ServicePac 2 yr P&L P/U Depot		
11a/b Wi-Fi <sup>27</sup>	Some: 11a/b Wi-Fi <sup>27</sup> wireless <sup>4</sup> , Mini PCI, Atheros® AR5001X chipset										30L9191		
CDC	One Communications Daughter Card (CDC) socket (used by modem) / not accessible										ServicePac 3 yr P&L P/U Depot		
Modem	56K <sup>6</sup> V.90 (V.92-designed <sup>29</sup> ) modem in CDC / Agere® chipset										30L9192		
Bluetooth	None										69P9195		
Ethernet	10/100 ethernet on planar / Broadcom® BCM5901 (PHY/MAC) / PXE / Wake on LAN®										ServicePac 5 yr P&L P/U Depot		
Audio support	Soft audio / ICH AC97 controller / DirectSound® support / AD1981B AC97 codec / mono speaker / 2 watt / volume up, down, mute buttons / no internal mic / microphone input jack (3.5 mm) / headphone jack (3.5 mm) / no line in jack										69P9197		
Security	Power-on password / hard disk password / supervisor password / security keyhole												
Security chip	None												
Limited warranty <sup>12</sup>	1 year - EasyServ™. <sup>19</sup> onsite pickup and delivery												
128 MB PC2700 DDR-SDRAM CL2.5 SOD	31P9828												
256 MB PC2700 DDR-SDRAM CL2.5 SOD	31P9830												
512 MB PC2700 DDR-SDRAM CL2.5 SOD	31P9832												
IBM USB Portable Diskette Drive	05K9276												
IBM USB 2.0 Portable Multi-Burner Drive	22P9163												
IBM USB 2.0 Portable 40GB Hard Disk	22P7196												
IBM USB Serial Parallel Adapter	22P5298												
ThinkPad G40 Li-Ion Battery 12-cell	08K8178												
ThinkPad 120W AC Adapter	22P9150												
IBM 11a/b/g Wireless CardBus Adapter	31P9101												
IBM 4GB Microdrive™ with PC Card	09N4280												
IBM USB 2.0 Memory Key 256MB	22P9228												
IBM USB 2.0 Memory Key 512MB	22P9230												
Other options at <a href="http://ibm.com/pc/us/accessories">ibm.com/pc/us/accessories</a>													

See footnotes for important warranty information

US models announced October 7, 2003

US models withdrawn effective April 2004 or January 2005



Type-model	Processor	Speed GHz	Memory	Screen	Disk GB <sup>6</sup>	Optical	Mini PCI Comm Bay wireless	CDC modem	Ethernet on planar	Battery	Preload	Workhorse or Global or Entry	Avail date
2388-1CU	Celeron®	2.0	128MB	14.1" XGA	20GB	CD	None	Modem	10/100	6-cell Li-Ion	XP Home	Entry	Apr 2003
2388-7RU	Celeron	2.2	128MB	14.1" XGA	20GB	CD	None	Modem	10/100	6-cell Li-Ion	XP Home	Entry	Oct 2003
2388-2BU	Pentium® 4	2.4	128MB	14.1" XGA	20GB	CD	None	Modem	10/100	6-cell Li-Ion	XP Home	Entry	Apr 2003
2388-2QU	Pentium 4	2.4	256MB	14.1" XGA	20GB	Combo	None	Modem	10/100	6-cell Li-Ion	XP Home	No	Apr 2003
2388-2TU	Pentium 4	2.4	256MB	14.1" XGA	40GB	DVD	None	Modem	10/100	6-cell Li-Ion	XP Home	No	Apr 2003
2388-3AU	Pentium 4	2.4	128MB	15.0" XGA	20GB	DVD	None	Modem	10/100	6-cell Li-Ion	XP Home	No	Apr 2003
2388-52U	Pentium 4	3.0	256MB	15.0" XGA	40GB	Combo	None	Modem	10/100	12-cell Li-Ion	XP Home	No	May 2003
2388-6AU	Pentium 4	2.2	128MB	14.1" XGA	20GB	CD	None	Modem	10/100	6-cell Li-Ion	XP Home	Entry	Aug 2003
2388-BAU	Pentium 4	3.0	256MB	14.1" XGA	30GB	DVD	None	Modem	10/100	12-cell Li-Ion	XP Home	No	Oct 2003
2388-BCU	Pentium 4	3.0	256MB	15.0" XGA	40GB	Combo	None	Modem	10/100	12-cell Li-Ion	XP Home	No	Oct 2003
Positioning Processor	<b>Powerful desktop replacement; three-spindle system</b> <b>Intel® Celeron 2.0 or 2.2GHz<sup>37</sup></b> with 400MHz system bus or <b>Intel Pentium 4 at 2.2, 2.4, or 3.0GHz<sup>37</sup></b> with 400MHz system bus <i>Celeron: 128MB; Pentium 4: 512KB; All: on die (at processor speed) / ECC</i> <b>128 or 256MB</b> std / 1GB max <sup>7</sup> / <b>PC2100</b> 266MHz DDR1 / non-parity / CL2.5 / two 200-pin SO-DIMM sockets / std memory in one socket / one socket available										<b>SOFTWARE<sup>14</sup></b> <b>Windows XP Home models</b> - Microsoft® Windows® XP Home Edition <sup>20</sup> ♦ Disk-to-Disk Recovery (in hidden protected area)		
L2 cache Memory											<b>Preloaded</b> • Access IBM - Access Connections • Adobe Reader • IBM Rapid Restore™ PC • IBM RecordNOW and DLA by Veritas (combo models) • InterVideo WinDVD (combo, DVD) • Norton AntiVirus (OEM edition) • PC-Doctor™ • ThinkPad Utilities • IBM Update Connector™. <sup>15</sup>		
Diskette drive	3.5" 1.44MB / fixed, not removable / 12.7mm high												
CD	<i>Some: CD-ROM / 24X-10X<sup>9</sup> speed / fixed, not removable / 12.7mm high</i>												
DVD	<i>Some: DVD-ROM / 24X-8X<sup>9</sup> speed / fixed, not removable / 12.7mm high</i>												
Combo	<i>Some: DVD-ROM/CD-RW / 24X/10X/24X/8X<sup>21</sup> speed / fixed, not removable / 12.7mm</i>												
Disk	<b>20GB<sup>8</sup>, 30GB, or 40GB</b> / 4200 rpm / 9.5mm high / removable / 9.5mm high bay												
Display	<i>Some: 14.1" (358.1mm) XGA (1024x768) TFT color / Active Matrix / 150 nits</i> <i>Some: 15.0" (381.0mm) XGA (1024x768) TFT color / Active Matrix / 150 nits</i> <i>All: one latch to unlatch and open with one hand</i>												
Graphics	<b>Integrated Intel Extreme™ Graphics</b> / Direct AGP / in 852GM GMCH / uses main memory (8 to 32MB with 128MB memory; 8 to 64MB with 256MB+) / 133MHz / DMVT External monitor support via analog DB-15 connector / up to 1600x1200 at 85Hz / DDC2B ThinkPad EasyPivot base allows smooth positioning for a comfortable viewing angle												
Graphics external EasyPivot													
Keyboard	87-key / Access IBM button / palm rest / pitch: 19mm; stroke: 2.7mm (std-size keys)												
ComfortSlant	ThinkPad ComfortSlant keyboard with built-in incline provides maximum typing comfort												
TrackPoint®	TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass / soft dome TrackPoint cap / ships with classic dome and soft rim TrackPoint cap												
Touch pad	No touch pad (UltraNav™ multi-pointing system) / no ThinkLight™												
Dimensions <sup>3</sup> Weight <sup>2</sup>	12.9" x 11.1" x 1.5-2.0"; 329mm x 282.5mm x 37.1-50.9mm; <i>Volume: 4 liters</i> with optical drive and battery: <i>Some: 7.64 to 7.89 lb (3.46 to 3.57kg);</i> <i>Pentium 4 at 3.0GHz models: 8.63 to 8.85 lb (3.91 to 4.01kg)</i>												
Case material	<i>Color: black; All: Acrylonitrile-Butadiene-Styrene/Polycarbonate (ABS/PC) plastic</i>												
Battery - type	Lithium Ion 6 or 12-cell / intelligent / removable												
Battery - life <sup>10</sup>	<i>6-cell battery models: 1.3 to 1.45 hr; 12-cell battery models: up to 2.0 hr</i>										ThinkPad notebooks implement IBM ThinkVantage™ technologies and design; visit <b>ibm.com/thinkvantage</b>		
Architecture	<b>Intel 852GM</b> chipset / 82852GM Graphics Memory Controller Hub (GMCH) / 82801DBM ICH4-M I/O Controller Hub (ATA-100 EIDE, PCI bus, ethernet MAC, Low Pin Count (LPC) interface, USB, Firmware Hub) / PCI bus 2.2 32-bit, 33MHz (TI® PCI1410A CardBus controller, Mini PCI) / LPC bus 33MHz (PC87393F Super I/O for diskette, parallel, PS/2)										Universal 120 watt AC adapter Asset ID™. <sup>34</sup> (system-specific info in chip accessed over network) PC 2001 and PXE 2.0-compliant ACPI 1.0b and 2.0-compliant CIM and DMI 2.0-compliant IBM ImageUltra™ Services available IBM Rapid Restore PC available to protect software image and data International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free warranty support during the warranty <sup>12</sup> via 800-IBM-SERV (426-7378)		
PC Card Std slots	One Type I, one Type II, or one Type III / CardBus 32-bit / PCMCIA 2.1 / integrated door												
Ports	Four USB (Version 2.0) / parallel / external monitor (DB-15) / RJ-11 (modem) / RJ-45 (ethernet) / PS/2 (for keyboard or mouse) / no serial or infrared port												
Video out	No video out port												
IEEE 1394	None												
Wireless antenna	None												
Mini PCI	One Mini PCI type III slot (Communications Bay) / not customer upgradable												
None	Empty / not customer upgradable												
CDC	One Communications Daughter Card (CDC) socket (used by modem) / not accessible												
Modem	56K <sup>6</sup> V.90 (V.92-designed <sup>29</sup> ) modem in CDC / Agere® chipset										ServicePac®. <sup>22</sup> 1 yr IOR 9x5 NBD 30L9188		
Bluetooth	None												
Ethernet	10/100 ethernet on planar / Broadcom® BCM5901 (PHY/MAC) / PXE / Wake on LAN®										ServicePac 2 yr IOR 9x5 NBD 30L9189		
Audio support	Soft audio / ICH AC97 controller / DirectSound® support / AD1981B AC97 codec / mono speaker / 2 watt / volume up, down, mute buttons / no internal mic / microphone input jack (3.5 mm) / headphone jack (3.5 mm) / no line in jack										ServicePac 3 yr IOR 9x5 NBD 30L9195		
Security	Power-on password / hard disk password / supervisor password / security keyhole										ServicePac 4 yr IOR 9x5 NBD 30L9194		
Security chip	None										ServicePac 5 yr IOR 9x5 NBD 30L9196		
Limited warranty <sup>12</sup>	<b>1 year</b> - EasyServ™. <sup>19</sup> onsite pickup and delivery										ServicePac 2 yr P&L P/U Depot 30L9191		
Service options	Service upgrades <sup>22</sup> provide up to five years of onsite or depot repair service coverage from date of ThinkPad purchase (including warranty period)										ServicePac 3 yr P&L P/U Depot 30L9192		
128 MB PC2700 DDR-SDRAM CL2.5 SOD	31P9828		ThinkPad G40 Li-Ion Battery 12-cell		08K8178								
256 MB PC2700 DDR-SDRAM CL2.5 SOD	31P9830		ThinkPad 120W AC Adapter		22P9150								
512 MB PC2700 DDR-SDRAM CL2.5 SOD	31P9832		IBM 11a/b/g Wireless CardBus Adapter		31P9101								
IBM USB Portable Diskette Drive	05K9276		GemPC400 Smart Card Reader/Writer		31P8901								
IBM USB 2.0 Portable Multi-Burner Drive	22P9163		TrackPoint Cap Collection		73P2698								
IBM USB 2.0 Portable 40GB Hard Disk	22P7196		ThinkPad Monitor Stand 2001		22P5265								
IBM 4GB Microdrive™ with PC Card	09N4280		ThinkPad Nylon Carrying Case		10K0207								
IBM USB 2.0 Memory Key 256MB	22P9228		ThinkPad Premiere Leather Carrying Case		10K0209								
IBM USB 2.0 Memory Key 512MB	22P9230		Keyboard/Mouse Connector		07G3793								
IBM Optical 3-Button Travel Wheel Mouse	31P7410		IBM USB Keyboard with UltraNav		31P8950								
IBM USB Serial Parallel Adapter	22P5298		IBM M400 Projector		0037A04		Other ServicePac options at <b>ibm.com/services/its/us/source/ wamomxeu.pdf</b> Post-warranty annual maintenance agreements at <b>ibm.com/services/its/us/source/ maspspleu.pdf</b>						
IBM USB Numeric Keypad	33L3225		Other options at <b>ibm.com/pc/us/accessories</b>										

See footnotes for important warranty information

US models announced on April 22, August 5, October 7, or October 14, 2003

US models withdrawn effective October 2003, April 2004, or January 2005

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Type-model	Processor	Speed GHz	Memory	Screen	Disk GB <sup>8</sup>	Optical	Mini PCI Comm Bay wireless	CDC modem	Ethernet on planar	Battery	Workhorse (W) or Global (G) Preload or Entry (E)	Avail date	
2388-HBU	Celeron®	2.5	128MB	14.1" XGA	30GB	CD	None	Modem	10/100	6-cell Li-Ion	XP Home	Entry	Apr 2004
2388-JBU	Celeron	2.6	128MB	14.1" XGA	30GB	DVD	None	Modem	10/100	6-cell Li-Ion	XP Home	Entry	Apr 2004
2388-KBU	Pentium® 4	2.8	256MB	14.1" XGA	30GB	Combo	None	Modem	10/100	12-cell Li-Ion	XP Pro	No	Apr 2004
2388-KNU	Pentium 4	3.0	256MB	14.1" XGA	40GB	Combo	None	Modem	10/100	12-cell Li-Ion	XP Pro	No	Apr 2004
Positioning Processor	Powerful desktop replacement; three-spindle system Intel® Celeron 2.5 or 2.6GHz <sup>37</sup> with 400MHz system bus or Intel Pentium 4 at 2.8 or 3.0GHz <sup>37</sup> with 400MHz system bus Celeron: 128KB; Pentium 4: 512KB; All: on die (at processor speed) / ECC 128 or 256MB std / 1GB max <sup>7</sup> / PC2100 266MHz or PC2700 333MHz DDR1 (memory controller limits speed to 266MHz) / non-parity / CL2.5 / two 200-pin SO-DIMM sockets / std memory in one socket / one socket available										SOFTWARE <sup>14</sup> Windows XP Home models - Microsoft® Windows® XP Home Edition <sup>20</sup> ♦ Disk-to-Disk Recovery (in hidden protected area)		
L2 cache											Windows XP Pro models - Microsoft® Windows® XP Professional <sup>20</sup> ♦ Disk-to-Disk Recovery (in hidden protected area)		
Memory													
Diskette drive	3.5" 1.44MB / fixed, not removable / 12.7mm high												
CD	Some: CD-ROM / 24X-10X <sup>9</sup> speed / fixed, not removable / 12.7mm high												
DVD	Some: DVD-ROM / 24X-8X <sup>9</sup> speed / fixed, not removable / 12.7mm high												
Combo	Some: DVD-ROM/CD-RW / 24X/10X/24X/8X <sup>21</sup> speed / fixed, not removable / 12.7mm												
Disk	30GB <sup>8</sup> or 40GB, 4200 rpm, 9.5mm high / removable / 9.5mm high bay												
Display	14.1" (358.1mm) XGA (1024x768) TFT color / Active Matrix / 150 nits / one latch to unlatch and open with one hand										Preloaded (all) • Access IBM • Access Connections • Adobe Reader • IBM Rapid Restore™ PC • IBM RecordNOW and IBM Drive Letter Access powered by Sonic products (combo models) • InterVideo WinDVD (combo, DVD) • Norton AntiVirus (OEM edition) • PC-Doctor™ • ThinkPad Utilities • IBM Update Connector™ <sup>15</sup>		
Graphics	Integrated Intel Extreme™ Graphics / Direct AGP / in 852GM GMCH / uses main memory (8 to 32MB with 128MB memory; 8 to 64MB with 256MB+) / 133MHz / DMVT										Downloadable • IBM Director Agent • Software Delivery Assistant • System Migration Assistant		
Graphics external	External monitor support via analog DB-15 connector / up to 1600x1200 at 85Hz / DDC2B										License (CD not included) - Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client		
EasyPivot	ThinkPad EasyPivot base allows smooth positioning for a comfortable viewing angle										Universal 120 watt AC adapter Asset ID™ <sup>34</sup> (system-specific info in chip accessed over network) PC 2001 and PXE 2.0-compliant ACPI 1.0b and 2.0-compliant CIM and DMI 2.0-compliant IBM ImageUltra™ Services available IBM Rapid Restore PC available to protect software image and data International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free warranty support during the warranty <sup>12</sup>		
Keyboard	87-key / Access IBM button / palm rest / pitch: 19mm; stroke: 2.7mm (std-size keys)										ServicePac®, <sup>22</sup> 1yr IOR 9x5 NBD 30L9188		
ComfortSlant	ThinkPad ComfortSlant keyboard with built-in incline provides maximum typing comfort										ServicePac 2 yr IOR 9x5 NBD 30L9189		
TrackPoint®	TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass / soft dome TrackPoint cap / ships with classic dome and soft rim TrackPoint cap										ServicePac 3 yr IOR 9x5 NBD 30L9195		
Touch pad	No touch pad (UltraNav™ multi-pointing system) / no ThinkLight™										ServicePac 4 yr IOR 9x5 NBD 30L9194		
Dimensions <sup>3</sup>	12.9" x 11.1" x 1.5-2.0"; 329mm x 282.5mm x 37.1-50.9mm; Volume: 4 liters										ServicePac 5 yr IOR 9x5 NBD 30L9196		
Weight <sup>2</sup>	with optical drive and battery: HBU: 7.63 lb (3.47kg); JBU: 7.70 lb (3.50kg); KBU: 8.34 lb (3.79kg); KNU: 8.65 lb (3.93kg)										ServicePac 2 yr P&L P/U Depot 30L9191		
Case material	Color: black; All: Acrylonitrile-Butadiene-Styrene/Polycarbonate (ABS/PC) plastic										ServicePac 3 yr P&L P/U Depot 30L9192		
Battery - type	Lithium Ion 6-cell or 12-cell / intelligent / removable										ServicePac 4 yr P&L P/U Depot 69P9195		
Battery - life <sup>10</sup>	HBU/JBU: up to 1.30 hr; KNU: up to 2.0 hr; KBU: up to 2.48 hr										ServicePac 5 yr P&L P/U Depot 69P9197		
Architecture	Intel 852GM chipset / 82852GM Graphics Memory Controller Hub (GMCH) / 82801DBM ICH4-M I/O Controller Hub (ATA-100 EIDE, PCI bus, ethernet MAC, Low Pin Count (LPC) interface, USB, Firmware Hub) / PCI bus 2.2 32-bit, 33MHz (TI® PCI1410A CardBus controller, Mini PCI) / LPC bus 33MHz (PC87393F Super I/O for diskette, parallel, PS/2)										Other ServicePac options at ibm.com/services/its/us/source/wamomxeu.pdf Post-warranty annual maintenance agreements at ibm.com/services/its/us/source/maspspleu.pdf		
PC Card Std slots	One Type I, one Type II, or one Type III / CardBus 32-bit / PCMCIA 2.1 / integrated door												
Ports	Four USB (Version 2.0) / parallel / external monitor (DB-15) / RJ-11 (modem) / RJ-45 (ethernet) / PS/2 (for keyboard or mouse) / no serial or infrared												
Video out	No video out port												
IEEE 1394	None												
Wireless antenna	None												
Mini PCI	One Mini PCI type III slot (Communications Bay) / not customer upgradable												
None	Empty / not customer upgradable												
CDC	One Communications Daughter Card (CDC) socket (used by modem) / not accessible												
Modem	56K <sup>6</sup> V.90 (V.92-designed <sup>25</sup> ) modem in CDC / Agere® chipset												
Bluetooth	None												
Ethernet	10/100 ethernet on planar / Broadcom® BCM5901 (PHY/MAC) / PXE / Wake on LAN®												
Audio support	Soft audio / ICH AC97 controller / DirectSound® support / AD1981B AC97 codec / mono speaker / 2 watt / volume up, down, mute buttons / no internal mic / microphone input jack (3.5 mm) / headphone jack (3.5 mm) / no line in jack												
Security	Power-on password / hard disk password / supervisor password / security keyhole												
Security chip	None												
Limited warranty <sup>12</sup>	1 year - EasyServ™ <sup>19</sup> onsite pickup and delivery												
Service options	Service upgrades <sup>22</sup> provide up to five years of onsite or depot repair service coverage from date of ThinkPad purchase (including warranty period)												
128MB PC2700 DDR-SDRAM CL2.5 SOD	31P9828	ThinkPad G40 Li-Ion Battery 12-cell	08K8178										
256MB PC2700 DDR-SDRAM CL2.5 SOD	31P9830	ThinkPad 120W AC Adapter	22P9150										
512MB PC2700 DDR-SDRAM CL2.5 SOD	31P9832	IBM H Rate Wireless LAN PC Card 128	09N9904										
IBM USB 2.0 Combo Drive	73P4515	IBM 11a/b/g Wireless CardBus Adapter	31P9101										
IBM USB 2.0 Portable Multi-Burner	22P9163	ThinkPad Monitor Stand 2001	22P5265										
IBM USB 2.0 Portable 40GB Hard Drive	22P7196	ThinkPad Nylon Carrying Case	10K0207										
IBM 4GB Microdrive™ with PC Card	09N4280	ThinkPad Carrying Case - Expander	73P3597										
IBM USB 2.0 Memory Key 256MB	22P9228	ThinkPad Leather Carrying Case	10K0209										
IBM USB 2.0 Memory Key 512MB	22P9230	Keyboard/Mouse Connector	07G3793										
IBM Optical 3-Button Travel Wheel Mouse	31P7410	IBM USB Keyboard with UltraNav	31P8950										
IBM Optical 3-Button ScrollPoint Pro Mouse	31P8700	IBM Enhanced Performance USB Keybrd	73P2620										
IBM USB Serial Parallel Adapter	22P5298	IBM M400 Projector	0037A04										
TrackPoint Cap Collection	73P2698	IBM E400 Projector	0038A04										
Kensington® MicroSaver® Security Cable	73P2582	IBM C400 Projector	0039A04										
GemPC400 Smart Card Reader/Writer	31P8901	Other options at ibm.com/pc/us/accessories											

See footnotes for important warranty information  
 US models announced April 6, 2004  
 US models withdrawn effective January 2005

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Type-model	Processor	Speed GHz	Memory	Screen	Disk GB <sup>3</sup>	Optical	Mini PCI Comm Bay wireless	CDC modem	Ethernet on planar	Battery	Preload	Workhorse (W) or Global (G) Education software	Avail date
2389-1DU	Celeron®	2.0	128MB	14.1" XGA	20GB	CD	11b Wi-Fi <sup>32</sup>	Modem	10/100	12-cell	XP Pro	Educ	Apr 2003
2389-2XU	Pentium® 4	2.4	256MB	14.1" XGA	20GB	CD	11b Wi-Fi	Modem	10/100	12-cell	XP Pro	Educ	Apr 2003
2389-3HU	Pentium 4	2.4	256MB	15.0" XGA	40GB	Combo	11b Wi-Fi	Modem	10/100	12-cell	XP Pro	Educ	Apr 2003
2389-7EU	Celeron	2.2	128MB	14.1" XGA	20GB	CD	11a/b Wi-Fi <sup>27</sup>	Modem	10/100	12-cell	XP Pro	Educ	Oct 2003
2389-9FU	Pentium 4	2.6	256MB	14.1" XGA	30GB	CD	11a/b Wi-Fi	Modem	10/100	12-cell	XP Pro	Educ	Oct 2003
2389-ATU	Pentium 4	2.6	256MB	15.0" XGA	40GB	Combo	11a/b Wi-Fi	Modem	10/100	12-cell	XP Pro	Educ	Oct 2003
2389-DHU	Celeron	2.4	256MB	14.1" XGA	30GB	CD	11a/b Wi-Fi	Modem	10/100	12-cell	XP Pro	Educ	Jan 2004
2389-HEU	Celeron	2.5	256MB	14.1" XGA	30GB	CD	11a/b Wi-Fi	Modem	10/100	12-cell	XP Pro	Educ Vital Source	Apr 2004
2389-KHU	Pentium 4	2.8	256MB	15.0" XGA	40GB	Combo	11a/b Wi-Fi	Modem	10/100	12-cell	XP Pro	Educ Vital Source	Apr 2004

• **The 2389 has an EasyServ™, onsite pickup and delivery 3 year limited warranty**

These educational models of the ThinkPad notebook are available only to public or private K-12 (or higher) accredited schools organized and operated exclusively for educational purposes for use by qualified students and teachers.

This model for education is for sale direct from IBM or through an Authorized Education Reseller.

The model or models for education are not available for resale to any other organization or individual.

Positioning Processor	Powerful desktop replacement; three-spindle system <b>Intel® Celeron 2.0, 2.2, 2.4 or 2.5GHz<sup>37</sup></b> with 400MHz system bus or <b>Intel Pentium 4 at 2.4, 2.6 or 2.8GHz<sup>37</sup></b> with 400MHz system bus <b>Celeron: 128KB; Pentium 4: 512KB; All:</b> on die (at processor speed) / ECC <b>128 or 256MB</b> std / 1GB max <sup>7</sup> / <b>PC2100</b> 266MHz or <b>PC2700</b> 333MHz DDR1 (memory controller limits speed to 266MHz) / non-parity / CL2.5 / two 200-pin SO-DIMM sockets / std memory in one socket / one socket available			<b>SOFTWARE<sup>14</sup></b> <b>Windows XP Professional</b> - Microsoft® Windows® XP Professional <sup>20</sup> ✧ Disk-to-Disk Recovery (in hidden protected area)		
L2 cache				<b>Preloaded</b> • <b>HEU/KHU:</b> Education software from Vital Source Technologies®: vitalsource KEY™ and Personal Portable library™ • Access IBM • Access Connections • Adobe Reader • IBM Rapid Restore™ PC • IBM RecordNOW and Drive Letter Access powered by Sonic products (combo models) • InterVideo WinDVD (combo models) • Norton AntiVirus (OEM edition) • PC-Doctor™ • ThinkPad Utilities • IBM Update Connector™.15		
Memory						
Diskette drive	3.5" 1.44MB / fixed, not removable / 12.7mm high <i>Some:</i> CD-ROM / 24X-10X <sup>9</sup> speed / fixed, not removable / 12.7mm high <i>Some:</i> DVD-ROM/CD-RW / 24X/10X/24X/8X <sup>21</sup> speed / fixed, not removable / 12.7mm			<b>Downloadable</b> • IBM Director Agent • Software Delivery Assistant • System Migration Assistant		
CD						
Combo	<b>20GB<sup>8</sup>, 30GB, or 40GB</b> , 4200 rpm, 9.5mm high / removable / 9.5mm high bay			<b>License</b> (CD not included) - Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client		
Disk						
Display	<i>Some:</i> <b>14.1"</b> (358.1mm) <b>XGA (1024x768) TFT color</b> / Active Matrix / 150 nits <i>Some:</i> <b>15.0"</b> (381.0mm) <b>XGA (1024x768) TFT color</b> / Active Matrix / 150 nits			Universal 120 watt AC adapter Asset ID™.34 (system-specific info in chip accessed over network) PC 2001 and PXE 2.0-compliant ACPI 1.0b and 2.0-compliant CIM and DMI 2.0-compliant IBM ImageUltra™ Services available IBM Rapid Restore PC available to protect software image and data International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free warranty support during the warranty <sup>12</sup>		
Graphics	<b>Integrated Intel Extreme™ Graphics</b> / Direct AGP / in 852GM GMCH / uses main memory (8 to 32MB with 128MB memory; 8 to 64MB with 256MB+) / 133MHz / DMVT External monitor support via analog DB-15 connector / up to 1600x1200 at 85Hz / DDC2B ThinkPad EasyPivot base allows smooth positioning for a comfortable viewing angle					
Graphics external						
EasyPivot	87-key / Access IBM button / palm rest / pitch: 19mm; stroke: 2.7mm (std-size keys) ThinkPad ComfortSlant keyboard with built-in incline provides maximum typing comfort TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass / soft dome TrackPoint cap / ships with classic dome and soft rim TrackPoint cap No touch pad (UltraNav™ multi-pointing system) / no ThinkLight™					
Keyboard						
ComfortSlant						
TrackPoint®						
Touch pad						
Dimensions <sup>3</sup>	12.9" x 11.1" x 1.5-2.0"; 329mm x 282.5mm x 37.1-50.9mm; <b>Volume:</b> 4 liters with optical drive and battery: <b>14.1" models:</b> 8.24 lb (3.74kg); <b>15.0" models:</b> 8.54 lb (3.87kg) <b>Color:</b> black; <b>All:</b> Acrylonitrile-Butadiene-Styrene/Polycarbonate (ABS/PC) plastic					
Weight <sup>2</sup>	Lithium Ion 12-cell / intelligent / removable <b>KHU with Pentium 4 at 2.8GHz:</b> up to 2.48 hr; <b>Others:</b> up to 3.0 hr					
Case material						
Battery - type						
Battery - life <sup>10</sup>						
Architecture	<b>Intel 852GM</b> chipset / 82852GM Graphics Memory Controller Hub (GMCH) / 82801DBM ICH4-M I/O Controller Hub (ATA-100 EIDE, PCI bus, ethernet MAC, Low Pin Count (LPC) interface, USB, Firmware Hub) / PCI bus 2.2 32-bit, 33MHz (TI® PCI1410A CardBus controller, Mini PCI) / LPC bus 33MHz (PC87393F Super I/O for diskette, parallel, PS/2) One Type I, one Type II, or one Type III / CardBus 32-bit / PCMCIA 2.1 / integrated door Four USB (Version 2.0) / parallel / external monitor (DB-15) / RJ-11 (modem) / RJ-45 (ethernet) / PS/2 (for keyboard or mouse) / no serial or infrared port					
PC Card Std slots						
Ports						
Video out	No video out port					
IEEE 1394	None					
Wireless antenna	UltraConnect™ Antenna built into the display cover for optimal wireless signal reception					
Mini PCI	One Mini PCI type III slot (Communications Bay) / not customer upgradable <i>Some:</i> 11b Wi-Fi <sup>32</sup> wireless <sup>4</sup> , Mini PCI, Intersil® Prism 2.5 chipset <i>Some:</i> 11a/b Wi-Fi <sup>27</sup> wireless <sup>4</sup> , Mini PCI, Atheros™ AR5001X chipset					
11b Wi-Fi <sup>32</sup>						
11a/b Wi-Fi <sup>27</sup>						
CDC	One Communications Daughter Card (CDC) socket (used by modem) / not accessible 56K <sup>6</sup> V.90 (V.92-designed <sup>25</sup> ) modem in CDC / Agere® chipset					
Modem	None standard					
Bluetooth	10/100 ethernet on planar / Broadcom® BCM5901 (PHY/MAC) / PXE / Wake on LAN®					
Ethernet	Soft audio / ICH AC97 controller / DirectSound® support / AD1981B AC97 codec / mono speaker / 2 watt / volume up, down, mute buttons / no internal mic / microphone input jack (3.5 mm) / headphone jack (3.5 mm) / no line in jack					
Audio support	Power-on password / hard disk password / supervisor password / security keyhole					
Security	None					
Security chip						
Limited warranty <sup>12</sup>	<b>3 years/1 yr battery - EasyServ™.19</b> onsite pickup and delivery / service upgrades <sup>22</sup> avail					
128 MB PC2700 DDR-SDRAM CL2.5 SOD	31P9828	ThinkPad G40 Li-Ion Battery 12-cell	08K8178			
256 MB PC2700 DDR-SDRAM CL2.5 SOD	31P9830	ThinkPad 120W AC Adapter	22P9150			
512 MB PC2700 DDR-SDRAM CL2.5 SOD	31P9832	IBM 11a/b/g Wireless CardBus Adapter	31P9101			
IBM USB 2.0 Portable Multi-Burner Drive	22P9163	GemPC400 Smart Card Reader/Writer	31P8901			
IBM USB 2.0 Portable 40GB Hard Disk	22P7196	ThinkPad Monitor Stand 2001	22P5265			
IBM 4GB Microdrive™ with PC Card	09N4280	ThinkPad Nylon Carrying Case	10K0207			
IBM USB 2.0 Memory Key 256MB	22P9228	ThinkPad Premiere Leather Carrying Case	10K0209			
IBM USB 2.0 Memory Key 512MB	22P9230	Keyboard/Mouse Connector	07G3793			
IBM Optical 3-Button Travel Wheel Mouse	31P7410	IBM USB Keyboard with UltraNav	31P8950			
IBM Optical 3-Button ScrollPoint® Mouse	31P7405	TrackPoint Cap Collection	73P2698			
IBM USB Serial Parallel Adapter	22P5298	Other options at <b>ibm.com/pc/us/accessories</b>				

See footnotes for important warranty information

US models announced on April 22 or October 7, 2003, or January 20 or April 6, 2004

US models withdrawn effective October 2003, April 2004, October 2004, or January 2005

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Type-model	Processor	Speed GHz	Memory	Screen	Disk GB <sup>3</sup>	Optical	Mini PCI Comm Bay wireless	CDC modem	Ethernet on planar	Battery	Preload	Small and medium business	Avail date
2384-DLU	Celeron®	2.4	256MB	14.1" XGA	30GB	DVD	None	Modem	10/100	12-cell Li-Ion	XP Pro	Yes	Jan 2004
2384-DWU	Celeron	2.4	256MB	15.0" XGA	40GB	Combo	None	Modem	10/100	12-cell Li-Ion	XP Pro	Yes	Jan 2004
2384-ECU	Pentium® 4	2.8	256MB	14.1" XGA	30GB	Combo	None	Modem	10/100	12-cell Li-Ion	XP Pro	Yes	Jan 2004
2384-EHU	Pentium 4	2.8	256MB	15.0" XGA	40GB	Combo	None	Modem	10/100	12-cell Li-Ion	XP Pro	Yes	Jan 2004
2384-JCU	Celeron	2.6	256MB	14.1" XGA	30GB	Combo	None	Modem	10/100	12-cell Li-Ion	XP Pro	Yes	Apr 2004
2384-JNU	Celeron	2.6	256MB	15.0" XGA	40GB	Combo	11a/b Wi-Fi <sup>27</sup>	Modem	10/100	12-cell Li-Ion	XP Pro	Yes	Apr 2004
2384-KMU	Pentium 4	2.8	256MB	15.0" SXGA+	40GB	Combo	11a/b Wi-Fi	Modem	10/100	12-cell Li-Ion	XP Pro	Yes	Apr 2004
2384-KPU	Pentium 4	3.0	256MB	15.0" XGA	40GB	Combo	None	Modem	10/100	12-cell Li-Ion	XP Pro	Yes	Apr 2004
2384-KQU	Pentium 4	3.0	256MB	15.0" SXGA+	40GB	Combo	11a/b Wi-Fi	Modem	10/100	12-cell Li-Ion	XP Pro	Yes	Apr 2004
These small and medium business (SMB) models are part of the IBM US Think Express Program													
Positioning Processor	Powerful desktop replacement; three-spindle system Intel® Celeron 2.4 or 2.6GHz <sup>37</sup> with 400MHz system bus or Intel Pentium 4 at 2.8 or 3.0GHz <sup>37</sup> with 400MHz system bus Celeron: 128MB; Pentium 4: 512KB; All: on die (at processor speed) / ECC										SOFTWARE <sup>14</sup> Windows XP Professional		
L2 cache	256MB std / 1GB max <sup>7</sup> / PC2100 266MHz or PC2700 333MHz DDR1 (memory controller limits speed to 266MHz) / non-parity / CL2.5 / two 200-pin SO-DIMM sockets / std memory in one socket / one socket available										- Microsoft® Windows® XP Professional <sup>20</sup> ♦ Disk-to-Disk Recovery (in hidden protected area)		
Memory													
Diskette drive	3.5" 1.44MB / fixed, not removable / 12.7mm high										Preloaded		
DVD	Some: DVD-ROM / 24X-8X <sup>9</sup> speed / fixed, not removable / 12.7mm high										• Access IBM		
Combo	Some: DVD-ROM/CD-RW / 24X/10X/24X/8X <sup>21</sup> speed / fixed, not removable / 12.7mm										• Access Connections		
Disk	30GB <sup>8</sup> or 40GB / 4200 rpm / 9.5mm high / removable / 9.5mm high bay										• Adobe Reader		
Display	Some: 14.1" (358.1mm) XGA (1024x768) TFT color / Active Matrix / 150 nits Some: 15.0" (381.0mm) XGA (1024x768) TFT color / Active Matrix / 150 nits Some: 15.0" (381.0mm) SXGA+ (1400x1050) TFT color / Active Matrix / 150 nits										• IBM Rapid Restore™ PC		
Graphics	Integrated Intel Extreme™ Graphics / Direct AGP / in 852GM GMCH / uses main memory (8 to 32MB with 128MB memory; 8 to 64MB with 256MB+) / 133MHz / DMVT										• IBM RecordNOW and Drive Letter Access powered by Sonic products (combo models)		
Graphics external	External monitor support via analog DB-15 connector / up to 1600x1200 at 85Hz / DDC2B										• InterVideo WinDVD (combo, DVD)		
EasyPivot	ThinkPad EasyPivot base allows smooth positioning for a comfortable viewing angle										• Norton AntiVirus (OEM edition)		
Keyboard	87-key / Access IBM button / palm rest / pitch: 19mm; stroke: 2.7mm (std-size keys)										• PC-Doctor™		
ComfortSlant	ThinkPad ComfortSlant keyboard with built-in incline provides maximum typing comfort										• ThinkPad Utilities		
TrackPoint®	TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass / soft dome TrackPoint cap / ships with classic dome and soft rim TrackPoint cap										• IBM Update Connector™ <sup>15</sup>		
Touch pad	No touch pad (UltraNav™ multi-pointing system) / no ThinkLight™										Downloadable		
Dimensions <sup>3</sup>	12.9" x 11.1" x 1.5-2.0"; 329mm x 282.5mm x 37.1-50.9mm; Volume: 4 liters										• IBM Director Agent		
Weight <sup>2</sup>	with optical drive and battery: DLU: 8.32 lb (3.78kg); JCU: 8.34 lb (3.79kg); ECU: 8.36 lb (3.80kg); JNU: 8.52 lb (3.87 kg); DWU/EHU: 8.54 lb (3.88kg); KMU: 8.56 lb (3.89kg); KPU: 8.83 lb (4.01kg); KQU: 8.87 lb (4.03kg)										• Software Delivery Assistant		
Case material	Color: black; All: Acrylonitrile-Butadiene-Styrene/Polycarbonate (ABS/PC) plastic										• System Migration Assistant		
Battery - type	Lithium Ion 12-cell / intelligent / removable										License (CD not included)		
Battery - life <sup>10</sup>	KPU/KQU: up to 2.0 hr; ECU/EHU/KMU: up to 2.48 hr; DLU/DWU/JCU/JNU: 3.0 hr										- Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client		
Architecture	Intel 852GM chipset / 82852GM Graphics Memory Controller Hub (GMCH) / 82801DBM ICH4-M I/O Controller Hub (ATA-100 EIDE, PCI bus, ethernet MAC, Low Pin Count (LPC) interface, USB, Firmware Hub) / PCI bus 2.2 32-bit, 33MHz (TI® PCI1410A CardBus controller, Mini PCI) / LPC bus 33MHz (PC87393F Super I/O for diskette, parallel, PS/2)										Universal 120 watt AC adapter		
PC Card Std slots	One Type I, one Type II, or one Type III / CardBus 32-bit / PCMCIA 2.1 / integrated door										Asset ID™ <sup>34</sup> (system-specific info in chip accessed over network)		
Ports	Four USB (Version 2.0) / parallel / external monitor (DB-15) / RJ-11 (modem) / RJ-45 (ethernet) / PS/2 (for keyboard or mouse) / no serial or infrared port										PC 2001 and PXE 2.0-compliant		
Video out	No video out port										ACPI 1.0b and 2.0-compliant		
IEEE 1394	None										CIM and DMI 2.0-compliant		
Wireless antenna	Some (wireless models): UltraConnect™ Antenna built into the display cover										IBM ImageUltra™ Services available		
Mini PCI	One Mini PCI type III slot (Communications Bay) / not customer upgradable										IBM Rapid Restore PC available to protect software image and data		
None	Some: empty / not customer upgradable										International Warranty Service <sup>17</sup>		
11a/b Wi-Fi <sup>27</sup>	Some: 11a/b Wi-Fi <sup>27</sup> wireless <sup>4</sup> , Mini PCI, Atheros™ AR5001X chipset										24 hour x 7 day <sup>18</sup> toll-free warranty support during the warranty <sup>12</sup> via 800-IBM-SERV (426-7378)		
CDC	One Communications Daughter Card (CDC) socket (used by modem) / not accessible										ServicePac®, <sup>22</sup> 1yr IOR 9x5 NBD		
Modem	56K <sup>6</sup> V.90 (V.92-designed <sup>25</sup> ) modem in CDC / Agere® chipset										30L9188		
Bluetooth	None standard (optional PC Card available)										ServicePac 2 yr IOR 9x5 NBD		
Ethernet	10/100 ethernet on planar / Broadcom® BCM5901 (PHY/MAC) / PXE / Wake on LAN®										30L9189		
Audio support	Soft audio / ICH AC97 controller / DirectSound® support / AD1981B AC97 codec / mono speaker / 2 watt / volume up, down, mute buttons / no internal mic / microphone input jack (3.5 mm) / headphone jack (3.5 mm) / no line in jack										ServicePac 3 yr IOR 9x5 NBD		
Security	Power-on password / hard disk password / supervisor password / security keyhole										30L9195		
Security chip	None										ServicePac 4 yr IOR 9x5 NBD		
Limited warranty <sup>12</sup>	1 year - EasyServ™ <sup>19</sup> onsite pickup and delivery / service upgrades <sup>22</sup> available										30L9194		
128MB PC2700 DDR-SDRAM CL2.5 SOD	31P9828	ThinkPad G40 Li-Ion Battery 12-cell		08K8178									
256MB PC2700 DDR-SDRAM CL2.5 SOD	31P9830	ThinkPad 120W AC Adapter		22P9150									
512MB PC2700 DDR-SDRAM CL2.5 SOD	31P9832	IBM 11a/b/g Wireless CardBus Adapter		31P9101									
IBM USB Portable Diskette Drive	05K9276	ThinkPad Monitor Stand 2001		22P5265									
IBM USB 2.0 Combo Drive	73P4515	ThinkPad Nylon Carrying Case		10K0207									
IBM USB 2.0 Portable Multi-Burner	22P9163	ThinkPad Premiere Leather Carrying Case		10K0209									
IBM USB 2.0 Portable 40GB Hard Disk	22P7196	Keyboard/Mouse Connector		07G3793									
IBM 4GB Microdrive™ with PC Card	09N4280	TrackPoint Cap Collection		73P2698									
IBM USB 2.0 Memory Key 512MB	22P9230	IBM USB Keyboard with UltraNav		31P8950									
IBM Optical 3-Button ScrollPoint Pro Mouse	31P8700	IBM M400 Projector		0037A04									
IBM USB Serial Parallel Adapter	22P5298	IBM E400 Projector		0038A04									
IBM USB Numeric Keypad	33L3225	Other options at ibm.com/pc/us/accessories											
											ServicePac 5 yr IOR 9x5 NBD		
											30L9196		
											ServicePac 2 yr P&L P/U Depot		
											30L9191		
											ServicePac 3 yr P&L P/U Depot		
											30L9192		
											ServicePac 4 yr P&L P/U Depot		
											69P9195		
											ServicePac 5 yr P&L P/U Depot		
											69P9197		
											Other ServicePac options at		
											ibm.com/services/its/us/source/wamomxeu.pdf		
											Post-warranty annual maintenance agreements at		
											ibm.com/services/its/us/source/maspspleu.pdf		



Type-model	Processor	Speed GHz	Memory	Screen	Disk GB <sup>8</sup>	Optical	Mini PCI Comm Bay wireless	CDC modem	Ethernet on planar	Battery	Workhorse or Global or Entry or TAA	Avail date
2388-F1U	Pentium® 4	2.8	256MB	15.0" XGA	40GB	Combo	11b Wi-Fi <sup>32</sup>	Modem	10/100	12-cell Li-Ion	XP Pro TAA	Jan 2004
2388-F2U	Pentium 4	3.0	256MB	15.0" XGA	40GB	Combo	None	Modem	10/100	12-cell Li-Ion	XP Pro TAA	Jan 2004
2388-F3U	Pentium 4	3.0	256MB	15.0" SXGA+	40GB	Combo	11b Wi-Fi	Modem	10/100	12-cell Li-Ion	XP Pro TAA	Jan 2004
2388-F4U	Pentium 4	2.6	256MB	15.0" XGA	40GB	Combo	11a/b Wi-Fi <sup>27</sup>	Modem	10/100	12-cell Li-Ion	XP Pro TAA	Jan 2004
2388-F5U	Pentium 4	2.6	256MB	15.0" SXGA+	40GB	Combo	11a/b Wi-Fi	Modem	10/100	12-cell Li-Ion	XP Pro TAA	Jan 2004
2388-F6U	Pentium 4	3.0	512MB	15.0" SXGA+	60GB	Combo	11a/b Wi-Fi	Modem	10/100	12-cell Li-Ion	XP Pro TAA	Jan 2004

• **US Government Trade Act Agreement (TAA)-compliant models**

Positioning US Govt (TAA) <sup>5</sup> Processor L2 cache Memory	<b>Powerful desktop replacement; three-spindle system</b> <b>All:</b> US Government model (Trade Act Agreement-compliant) <b>Intel® Pentium 4 at 2.6, 2.8 or 3.0GHz<sup>37</sup></b> with 400MHz system bus <b>512KB</b> / on die (at processor speed) / ECC <b>256 or 512MB</b> std / 1GB max <sup>7</sup> / <b>PC2100</b> 266MHz DDR1 / non-parity / CL2.5 / two 200-pin SO-DIMM sockets / std memory in one socket / one socket available			<b>SOFTWARE<sup>14</sup></b> <b>Windows XP Professional</b> - Microsoft® Windows® XP Professional <sup>20</sup> ✧ Disk-to-Disk Recovery (in hidden protected area) <b>Preloaded</b> <ul style="list-style-type: none"><li>• Access IBM</li><li>• Access Connections</li><li>• Adobe Reader</li><li>• IBM Rapid Restore™ PC</li><li>• IBM RecordNow and IBM Drive Letter Access (combo models)</li><li>• InterVideo WinDVD (combo models)</li><li>• Norton AntiVirus (OEM edition)</li><li>• PC-Doctor™</li><li>• ThinkPad Utilities</li><li>• IBM Update Connector™.<sup>15</sup></li></ul> <b>Downloadable</b> <ul style="list-style-type: none"><li>• IBM Director Agent</li><li>• Software Delivery Assistant</li><li>• System Migration Assistant</li></ul> <b>License</b> (CD not included) - Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client		
Diskette drive Combo Disk	3.5" 1.44MB / fixed, not removable / 12.7mm high DVD-ROM/CD-RW / 24X/10X/24X/8X <sup>21</sup> speed / fixed, not removable / 12.7mm <b>40GB<sup>8</sup> or 60GB</b> , 4200 rpm, 9.5mm high / removable / 9.5mm high bay					
Display	<i>Some:</i> <b>15.0"</b> (381.0mm) <b>XGA (1024x768) TFT color</b> / Active Matrix / 150 nits <i>Some:</i> <b>15.0"</b> (381.0mm) <b>SXGA+ (1400x1050) TFT color</b> / Active Matrix / 150 nits <i>All:</i> one latch to unlatch and open with one hand					
Graphics	<b>Integrated Intel Extreme™ Graphics</b> / Direct AGP / in 852GM GMCH / uses main memory (8 to 32MB with 128MB memory; 8 to 64MB with 256MB+) / 133MHz / DMVT External monitor support via analog DB-15 connector / up to 1600x1200 at 85Hz / DDC2B ThinkPad EasyPivot base allows smooth positioning for a comfortable viewing angle					
Graphics external EasyPivot						
Keyboard ComfortSlant TrackPoint®	87-key / Access IBM button / palm rest / pitch: 19mm; stroke: 2.7mm (std-size keys) ThinkPad ComfortSlant keyboard with built-in incline provides maximum typing comfort TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass / soft dome TrackPoint cap / ships with classic dome and soft rim TrackPoint cap No touch pad (UltraNav™ multi-pointing system) / no ThinkLight™					
Touch pad						
Dimensions <sup>3</sup> Weight <sup>2</sup>	12.9" x 11.1" x 1.5-2.0"; 329mm x 282.5mm x 37.1-50.9mm; <i>Volume:</i> 4 liters with optical drive and battery: <i>F1U/F4U:</i> 8.54 lb (3.88kg); <i>F2U:</i> 8.85 lb (4.02kg); <i>F3U/F6U:</i> 8.89 lb (4.04kg); <i>F5U:</i> 8.58 lb (3.90kg)					
Case material Battery - type Battery - life <sup>10</sup>	<i>Color:</i> black; <i>All:</i> Acrylonitrile-Butadiene-Styrene/Polycarbonate (ABS/PC) plastic Lithium Ion 12-cell / intelligent / removable <i>F1U:</i> 2.8 hr; <i>F2U/F3U/F6U:</i> 2.0 hr; <i>F4U/F5U:</i> 3.0 hr					
Architecture	<b>Intel 852GM</b> chipset / 82852GM Graphics Memory Controller Hub (GMCH) / 82801DBM ICH4-M I/O Controller Hub (ATA-100 EIDE, PCI bus, ethernet MAC, Low Pin Count (LPC) interface, USB, Firmware Hub) / PCI bus 2.2 32-bit, 33MHz (TI® PCI1410A CardBus controller, Mini PCI) / LPC bus 33MHz (PC87393F Super I/O for diskette, parallel, PS/2)			ThinkPad notebooks implement IBM ThinkVantage™ technologies and design; visit <b>ibm.com/thinkvantage</b>		
PC Card Std slots Ports	One Type I, one Type II, or one Type III / CardBus 32-bit / PCMCIA 2.1 / integrated door Four USB (Version 2.0) / parallel / external monitor (DB-15) / RJ-11 (modem) / RJ-45 (ethernet) / PS/2 (for keyboard or mouse) / no serial or infrared			Universal 120 watt AC adapter Asset ID™. <sup>34</sup> (system-specific info in chip accessed over network) PC 2001 and PXE 2.0-compliant ACPI 1.0b and 2.0-compliant CIM and DMI 2.0-compliant IBM ImageUltra™ Services available IBM Rapid Restore PC available to protect software image and data International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free warranty support during the warranty <sup>12</sup> via 800-IBM-SERV (426-7378)		
Video out IEEE 1394 Wireless antenna Mini PCI	No video out port None <i>Some (wireless models):</i> UltraConnect™ Antenna built into the display cover One Mini PCI type III slot (Communications Bay) / not customer upgradable <i>Some:</i> empty / not customer upgradable <i>Some:</i> 11b Wi-Fi <sup>32</sup> wireless <sup>4</sup> , Mini PCI, Intersil® Prism 2.5 chipset <i>Some:</i> 11a/b Wi-Fi <sup>27</sup> wireless <sup>4</sup> , Mini PCI, Atheros™ AR5001X chipset			ServicePac®. <sup>22</sup> 1yr IOR 9x5 NBD 30L9188		
None 11b Wi-Fi <sup>32</sup> 11a/b Wi-Fi <sup>27</sup>	One Communications Daughter Card (CDC) socket (used by modem) / not accessible 56K <sup>6</sup> V.90 (V.92-designed <sup>29</sup> ) modem in CDC / Agere® chipset			ServicePac 2 yr IOR 9x5 NBD 30L9189		
CDC Modem Bluetooth	None 10/100 ethernet on planar / Broadcom® BCM5901 (PHY/MAC) / PXE / Wake on LAN® Soft audio / ICH AC97 controller / DirectSound® support / AD1981B AC97 codec / mono speaker / 2 watt / volume up, down, mute buttons / no internal mic / microphone input jack (3.5 mm) / headphone jack (3.5 mm) / no line in jack Power-on password / hard disk password / supervisor password / security keyhole			ServicePac 3 yr IOR 9x5 NBD 30L9195		
Ethernet Audio support	None			ServicePac 4 yr IOR 9x5 NBD 30L9194		
Security Security chip	None			ServicePac 5 yr IOR 9x5 NBD 30L9196		
Limited warranty <sup>12</sup>	<b>1 year</b> - EasyServ™. <sup>19</sup> onsite pickup and delivery			ServicePac 2 yr P&L P/U Depot 30L9191		
128MB PC2700 DDR-SDRAM CL2.5 SOD	31P9828	ThinkPad G40 Li-Ion Battery 12-cell	08K8178	ServicePac 3 yr P&L P/U Depot 30L9192		
256MB PC2700 DDR-SDRAM CL2.5 SOD	31P9830	ThinkPad 120W AC Adapter	22P9150	ServicePac 4 yr P&L P/U Depot 69P9195		
512MB PC2700 DDR-SDRAM CL2.5 SOD	31P9832	IBM 11a/b/g Wireless CardBus Adapter	31P9101	ServicePac 5 yr P&L P/U Depot 69P9197		
IBMUSB Portable Diskette Drive	05K9276	Kensington® MicroSaver® Security Cable	73P2582	Other ServicePac options at <b>ibm.com/services/its/us/source/wamomxeu.pdf</b>		
IBM USB 2.0 Combo Drive	73P4515	ThinkPad Monitor Stand 2001	22P5265	Post-warranty annual maintenance agreements at <b>ibm.com/services/its/us/source/maspspleu.pdf</b>		
IBM USB 2.0 Portable Multi-Burner	22P9163	ThinkPad Nylon Carrying Case	10K0207			
IBM USB 2.0 Portable 40GB Hard Drive	22P7196	ThinkPad Leather Carrying Case	10K0209			
TrackPoint Cap Collection	73P2698	ThinkPad Carrying Case - Expander	73P3597			
IBM USB 2.0 Memory Key 256MB	22P9228	Keyboard/Mouse Connector	07G3793			
IBM USB 2.0 Memory Key 512MB	22P9230	IBM USB Keyboard with UltraNav	31P8950			
IBM Optical 3-Button Travel Wheel Mouse	31P7410	IBM Enhanced Performance USB Keybrd	73P2620			
IBM Optical 3-Button ScrollPoint® Mouse	31P7405	IBM M400 Projector	0037A04			
IBM Optical 3-Button ScrollPoint Pro Mouse	31P8700	IBM E400 Projector	0038A04			
IBM USB Serial Parallel Adapter	22P5298	IBM C400 Projector	0039A04			
IBM USB Numeric Keypad	33L3225	Other options at <b>ibm.com/pc/us/accessories</b>				

See footnotes for important warranty information

US models announced January 20, 2004

US models withdrawn effective April 2004 or January 2005

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