

Type-model	Processor	Speed GHz	L2 cache	Memory	Screen	Diskette drive	Disk GB ⁸	Optical	Graphics	Mini PCI Comm Bay wireless	Ethernet on planar	Battery	Preload	Workhorse (W) Global (G) Avail Entry (E)	date
2881-26U	Celeron® D 320	2.40	256K	256MB	14.1" XGA	Yes	30GB	Combo	Extreme™ 2	None	10/100	6-cell	XP Pro	No	Oct 04
2881-27U	Celeron D 320	2.40	256K	256MB	14.1" XGA	No	30GB	DVD	Extreme 2	None	10/100	12-cell	XP Home	No	Oct 04
2881-2GU	Celeron D 320	2.40	256K	256MB	15.0" XGA	Yes	30GB	Combo	Extreme 2	11b/g ³²	10/100	12-cell	XP Pro	No	Oct 04
2881-36U	Celeron D 325	2.53	256K	256MB	14.1" XGA	Yes	30GB	Combo	Extreme 2	None	10/100	6-cell	XP Pro	No	Oct 04
2881-3GU	Celeron D 325	2.53	256K	256MB	15.0" XGA	Yes	30GB	Combo	Extreme 2	11b/g	10/100	12-cell	XP Pro	No	Oct 04
2881-3QU	Celeron D 325	2.53	256K	256MB	15.0" XGA	No	40GB	Combo	Extreme 2	None	10/100	12-cell	XP Pro	No	Oct 04
2881-3NU	Celeron D 325	2.53	256K	128MB	15.0" XGA	No	40HS	CD	Extreme 2	None	10/100	6-cell	XP Home	No	Oct 04
2881-46U	Celeron D 330	2.66	256K	256MB	14.1" XGA	Yes	30GB	Combo	Extreme 2	None	10/100	6-cell	XP Pro	No	Oct 04
2881-4AU	Celeron D 330	2.66	256K	256MB	14.1" XGA	Yes	30GB	Combo	Extreme 2	11b/g	10/100	6-cell	XP Pro	No	Oct 04
2881-4CU	Celeron D 330	2.66	256K	256MB	15.0" XGA	Yes	40HS	Combo	Extreme 2	None	10/100	12-cell	XP Pro	No	Oct 04
2881-4FU	Celeron D 330	2.66	256K	256MB	15.0" XGA	Yes	30GB	Combo	Extreme 2	11b/g	10/100	12-cell	XP Pro	No	Oct 04
2881-58U	Pentium® 4 532	3.06	1MB	256MB	14.1" XGA	Yes	30GB	DVD	Extreme 2	None	10/100	6-cell	XP Pro	No	Oct 04
2881-59U	Pentium 4 532	3.06	1MB	256MB	14.1" XGA	Yes	40GB	Combo	Extreme 2	11b/g	10/100	6-cell	XP Pro	No	Oct 04
2881-5AU	Pentium 4 532	3.06	1MB	256MB	15.0" SXGA+	No	40HS	Combo	Extreme 2	11b/g	10/100	12-cell	XP Pro	No	Oct 04
2881-5LU	Pentium 4 532	3.06	1MB	256MB	15.0" XGA	Yes	40GB	Combo	Extreme 2	11b/g	10/100	12-cell	XP Pro	No	Oct 04
2881-5MU	Pentium 4 532	3.06	1MB	256MB	15.0" XGA	Yes	30GB	Combo	Extreme 2	None	10/100	6-cell	XP Pro	No	Oct 04
2881-65U	Pentium 4 538	3.2	1MB	256MB	14.1" XGA	Yes	30GB	Combo	Extreme 2	None	10/100	6-cell	XP Pro	No	Oct 04
2881-67U	Pentium 4 538	3.2	1MB	256MB	14.1" XGA	Yes	40GB	Combo	Extreme 2	11b/g	10/100	12-cell	XP Pro	No	Oct 04
2881-68U	Pentium 4 538	3.2	1MB	256MB	15.0" SXGA+	No	30GB	Combo	Extreme 2	None	10/100	12-cell	XP Pro	No	Oct 04
2881-69U	Pentium 4 538	3.2	1MB	256MB	15.0" XGA	Yes	40HS	Combo	Extreme 2	None	10/100	6-cell	XP Pro	No	Oct 04
2881-6CU	Pentium 4 538	3.2	1MB	256MB	15.0" XGA	Yes	40HS	Combo	Extreme 2	11b/g	10/100	12-cell	XP Pro	No	Oct 04
2881-6JU	Pentium 4 548	3.33	1MB	256MB	14.1" XGA	Yes	40HS	Combo	Extreme 2	None	10/100	12-cell	XP Pro	No	Oct 04
Positioning Processor ³⁷	Powerful desktop replacement; two (models without diskette drive) or three-spindle system Intel® Celeron D Processor 320 (2.40GHz), 325 (2.53GHz), or 330 (2.66GHz) with 533MHz system bus or Mobile Intel Pentium 4 Processor 532 (3.06GHz), 538 (3.2GHz), or 548 (3.33GHz) with enhanced Intel SpeedStep™ technology ¹ , Hyper-Threading technology, and 533MHz bus											SOFTWARE¹⁴			
L2 cache	Celeron: 256KB ; Pentium 4: 1MB ; All: on die (at processor speed) / ECC											Windows XP Home models			
Memory	128 or 256MB std / 2GB max ⁷ / PC2700 333MHz DDR1 / non-parity / CL2.5 / two 200-pin SO-DIMM sockets / std memory in one socket / one socket available											- Microsoft® Windows® XP Home Edition ²⁰ (Service Pack 2) ◆ Disk-to-Disk Recovery (in hidden protected area)			
Diskette drive	Some: 3.5" 1.44MB / fixed, not removable / 12.7mm high											Windows XP Pro models			
CD	Some: CD-ROM / 24X-10X ⁹ speed / fixed, not removable / 12.7mm high											- Microsoft Windows XP Professional ²⁰ (Service Pack 2) ◆ Disk-to-Disk Recovery (in hidden protected area)			
DVD	Some: DVD-ROM / 24X-8X ⁹ speed / single-layer / fixed, not removable / 12.7mm high														
Combo	Some: DVD-ROM/CD-RW / 24X/10X/24X/8X ²¹ speed / fixed, not removable / 12.7mm														
Disk	30GB⁸ (4200 rpm), 40GB (4200 rpm), or 40GB HS (5400 rpm), 9.5mm high / removable / 9.5mm high bay														
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 All: one latch to unlatch and open with one hand											Preloaded (all) • Rescue and Recovery™ • Access IBM • Access Connections • Norton AntiVirus (OEM edition) • PC-Doctor™ • ThinkPad Utilities • Adobe Reader • Update Connector™ ¹⁵ • RecordNOW and Drive Letter Access powered by Sonic products (combo models) • InterVideo WinDVD (combo, DVD)			
Graphics	Integrated Intel Extreme™ Graphics 2 / Direct AGP / in 852GME GMCH / uses main memory (up to 64MB) / 266MHz / DMVT											Downloadable (all) • 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) (all) - Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client			
EasyPivot	ThinkPad EasyPivot base allows smooth positioning for a comfortable viewing angle											Supports ThinkVantage™ technologies; visit thinkpad.com/thinkvantage			
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 ¹³ , 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 ³	12.9" x 11.1" x 1.5-2.0"; 329mm x 282.5mm x 37.1-50.9mm; Volume: 4 liters														
Weight ²	with optical drive and battery: 6-cell: up to 7.71 lb (3.5kg); 12-cell: up to 8.31 lb (3.8kg)														
Case material	Color: black; All: Acrylonitrile-Butadiene-Styrene/Polycarbonate (ABS/PC) plastic														
Battery - type	Lithium Ion 6-cell or 12-cell / intelligent / removable														
Battery - life	Not published														
Architecture	Intel 852GME chipset / 82852GME 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® PCI1520 CardBus controller, Mini PCI) / LPC bus 33MHz (PC87391 Super I/O for [diskette], parallel, PS/2)														
PC Card Std slots	Two Type I, two 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											Universal 120 watt AC adapter PC 2001 and PXE 2.0-compliant ACPI 1.0b and 2.0-compliant CIM and DMI 2.0-compliant ENERGY STAR®-compliant ImageUltra™ Services available International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free warranty support during the warranty ¹²			
Video out or in	None											ServicePac®. ²² 1yr IOR 9x5 NBD 30L9188			
IEEE 1394	None											ServicePac 3 yr P&L P/U Depot 30L9192			
Wireless antenna	Some (wireless models): UltraConnect™ Antenna built into the display cover											ServicePac 5 yr P&L P/U Depot 69P9197			
Mini PCI	One Mini PCI type III slot (Communications Bay) / not customer upgradable											Other ServicePac options at ibm.com/services/its/us/source/wamomxeu.pdf			
None	Some: empty / not customer upgradable														
11b/g ³²	Some: 11b/g Wi-Fi ³² wireless ⁴ , Mini PCI, Atheros™ AR5004G chipset														
CDC	One Communications Daughter Card (CDC) socket (used by modem) / not accessible														
Modem	56K ⁶ V.90 (V.92-designed ²⁹) modem in CDC / Conexant® chipset														
Ethernet	10/100 ethernet on planar / Broadcom® BCM5901 (PHY/MAC) / PXE / Wake on LAN®														
Audio support	Soft audio / ICH AC97 controller / DirectSound® support / AD90764 AC97 codec / mono speaker / 2 watt / volume up, down, mute buttons / no internal microphone / 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 ¹²	1 year - EasyServ™. ¹⁹ onsite pickup and delivery / service upgrades ²² available														

See footnotes for important warranty information
US models announced October 19, 2004
US models withdrawn effective January or December 2005

ThinkPad® G41 (November 2004) - withdrawn

Created by Lenovo Training Solutions
Personal Systems Reference (PSREF)

Type-model	Processor	Speed GHz	L2 cache	Memory	Screen	Diskette drive	Disk GB ⁸	Optical	Graphics	Mini PCI Comm Bay wireless	Ethernet on planar	Battery	Preload	Workhorse (W) Global (G) Avail Entry (E) date
2881-2CU	Celeron® D 320	2.40	256K	256MB	15.0" XGA	Yes	40GB	Combo	Extreme™ 2	11b/g ³²	10/100	6-cell	XP Pro	No Nov 04
2881-2PU	Celeron D 320	2.40	256K	256MB	14.1" XGA	Yes	30GB	Combo	Extreme 2	None	10/100	12-cell	XP Pro	No Nov 04
2881-2QU	Celeron D 325	2.53	256K	256MB	14.1" XGA	Yes	30GB	Combo	Extreme 2	None	10/100	12-cell	XP Pro	No Nov 04
2881-2RU	Celeron D 330	2.66	256K	256MB	14.1" XGA	Yes	30GB	Combo	Extreme 2	None	10/100	12-cell	XP Pro	No Nov 04
2881-2SU	Celeron D 330	2.66	256K	256MB	14.1" XGA	Yes	30GB	Combo	Extreme 2	11b/g	10/100	12-cell	XP Pro	No Nov 04
2881-A6U	Celeron D 335	2.80	256K	256MB	14.1" XGA	No	30GB	CD	Extreme 2	None	10/100	12-cell	XP Pro	No Jan 05
2881-AFU	Celeron D 335	2.80	256K	256MB	15.0" XGA	Yes	30GB	Combo	Extreme 2	11b/g	10/100	12-cell	XP Pro	No Jan 05
2881-5PU	Pentium® 4 532	3.06	1MB	256MB	14.1" XGA	Yes	40GB	Combo	Extreme 2	11b/g	10/100	12-cell	XP Pro	No Nov 04
Positioning Processor ³⁷	<i>Powerful desktop replacement; two (models without diskette drive) or three-spindle system</i>											SOFTWARE¹⁴ Windows XP Professional - Microsoft® Windows® XP Professional ²⁰ (Service Pack 2) ♦ Disk-to-Disk Recovery (in hidden protected area) Preloaded • Rescue and Recovery™ • Access IBM • Access Connections • Norton AntiVirus (OEM edition) • PC-Doctor™ • ThinkPad Utilities • Adobe Reader • Update Connector™ ¹⁵ • RecordNOW and Drive Letter Access powered by Sonic products (combo models) • InterVideo WinDVD (combo) Downloadable • IBM Director Agent • Software Delivery Assistant • System Migration Assistant License (CD not included) - Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client		
L2 cache Memory	Intel® Celeron D Processor 320 (2.40GHz), 325 (2.53GHz), 330 (2.66GHz), or 335 (2.80GHz) with 533MHz system bus or Mobile Intel Pentium 4 Processor 532 (3.06GHz) with enhanced Intel SpeedStep™ technology ¹ , Hyper-Threading technology, and 533MHz system bus Celeron: 256KB ; Pentium 4: 1MB ; All: on die (at processor speed) / ECC 256MB std / 2GB max ⁷ / PC2700 333MHz DDR1 / non-parity / CL2.5 / two 200-pin SO-DIMM sockets / std memory in one socket / one socket available													
Diskette drive	<i>Some: 3.5" 1.44MB / fixed, not removable / 12.7mm high</i>													
CD	<i>Some: CD-ROM / 24X-10X⁹ speed / fixed, not removable / 12.7mm high</i>													
Combo	<i>Some: DVD-ROM/CD-RW / 24X/10X/24X/8X²¹ speed / fixed, not removable / 12.7mm</i>													
Disk	30GB⁸ (4200 rpm) or 40GB (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> All: one latch to unlatch and open with one hand													
Graphics	Integrated Intel Extreme™ Graphics 2 / Direct AGP / in 852GME GMCH / uses main memory (up to 64MB) / 266MHz / 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 ¹³ , 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®	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>6-cell: up to 7.71 lb (3.5kg); 12-cell: up to 8.31 lb (3.8kg)</i> Color: black; All: Acrylonitrile-Butadiene-Styrene/Polycarbonate (ABS/PC) plastic Battery - type: Lithium Ion 6-cell or 12-cell / intelligent / removable Battery - life: Not published													
Dimensions ³ Weight ²	Intel 852GME chipset / 82852GME 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® PCI1520 CardBus controller, Mini PCI) / LPC bus 33MHz (PC87391 Super I/O for [diskette], parallel, PS/2)													
Architecture	Two Type I, two 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													
PC Card Std slots	Video out or in: None IEEE 1394: None Wireless antenna: <i>Some (wireless models): UltraConnect™ Antenna built into the display cover</i> Mini PCI: One Mini PCI type III slot (Communications Bay) / not customer upgradable None: <i>Some: empty / not customer upgradable</i> 11b/g ³² : <i>Some: 11b/g Wi-Fi³² wireless⁴, Mini PCI, Atheros™ AR5004G chipset</i> CDC: One Communications Daughter Card (CDC) socket (used by modem) / not accessible Modem: 56K ⁶ V.90 (V.92 designed ²⁵) modem in CDC / Conexant® chipset Ethernet: 10/100 ethernet on planar / Broadcom® BCM5901 (PHY/MAC) / PXE / Wake on LAN® Audio support: Soft audio / ICH AC97 controller / DirectSound® support / AD90764 AC97 codec / mono speaker / 2 watt / volume up, down, mute buttons / no internal microphone / 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													
Video out or in	ThinkPad notebooks implement ThinkVantage™ technologies and design; visit thinkpad.com/thinkvantage													
Wireless antenna	Universal 120 watt AC adapter PC 2001 and PXE 2.0-compliant ACPI 1.0b and 2.0-compliant CIM and DMI 2.0-compliant ENERGY STAR®-compliant ImageUltra™ Services available International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free warranty support during the warranty ¹²													
Mini PCI	ServicePac ²² 1 yr IOR 9x5 NBD 30L9188 ServicePac 2 yr IOR 9x5 NBD 30L9189 ServicePac 3 yr IOR 9x5 NBD 30L9195 ServicePac 4 yr IOR 9x5 NBD 30L9194 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													
None	Limited warranty ¹² 1 year - EasyServ™ ¹⁹ onsite pickup and delivery / service upgrades ²² available													
11b/g ³²	128 MB PC2700 DDR-SDRAM CL2.5 SOD 31P9828 ThinkPad G41 Li-Ion Battery 12-cell 08K8178 256 MB PC2700 DDR-SDRAM CL2.5 SOD 31P9830 ThinkPad Multiple Battery Charger II 22P9040 512 MB PC2700 DDR-SDRAM CL2.5 SOD 31P9832 ThinkPad 120W AC Adapter 22P9150 1GB PC2700 DDR-SDRAM CL2.5 SOD 31P9834 11a/b/g Wireless CardBus Adapter 31P9101 60GB HS Hard Disk 9.5mm (5400 rpm) 73P3357 GemPC400 Smart Card Reader/Writer 31P8901 80GB HS Hard Disk 9.5mm (5400 rpm) 09N4273 ThinkPad Monitor Stand 2001 22P5265 USB Numeric Keypad 33L3225 ThinkPad Carrying Case - Expander 73P3597 USB Portable Diskette Drive 05K9276 ThinkPad Carrying Case - Backpack 73P3599 USB 2.0 Combo Drive 73P4515 ThinkPad Carrying Case - Organizer 73P3598 USB 2.0 Portable Multi-Burner Drive 22P9163 USB Keyboard with UltraNav 31P8950 USB 2.0 Memory Key 256MB 22P9228 USB Travel Keyboard with UltraNav 31P9490 USB 2.0 Memory Key 512MB 22P9230 Enhanced Performance USB Keyboard 73P2620 USB Optical Wheel Mouse 06P4069 M400 Projector 0037A04 Optical 3-Button ScrollPoint Pro Mouse 31P8700 C400 Projector 0039A04 Kensington® MicroSaver® Security Cable 73P2582 ThinkVision® E500 Projector 0038A05 SonyEricsson® GC83 EDGE PC Card 26K3393 Other options at lenovo.com/options													
Modem	Post-warranty annual maintenance agreements at ibm.com/services/us/its/pdf/maspspleu.pdf													
Ethernet														
Audio support														
Security														
Security chip														

See footnotes for important warranty information
 US models announced November 23, 2004 or January 11, 2005
 US models withdrawn effective December 2005

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ThinkPad® G41 (NVIDIA Graphics) - withdrawn

Created by Lenovo Training Solutions
Personal Systems Reference (PSREF)

Type-model	Processor	Speed GHz	L2 cache	Memory	Screen	Diskette drive	Disk GB ⁸	Optical	Graphics controller and memory	Mini PCI Comm Bay wireless	Ethernet on planar	Battery	Preload	Workhorse (W) Global (G) Avail Entry (E) date		
2881-73U	Pentium® 4	538	3.2	1MB	512MB	15.0"	SXGA+	No	80HS	Combo	Go5200	128M	11b/g ³²	Gb 12-cell XP Pro	No	Oct 04
2881-87U	Pentium 4	532	3.06	1MB	256MB	15.0"	XGA	No	30GB	Combo	Go5200	64MB	None	Gb 6-cell XP Pro	No	Oct 04
2881-88U	Pentium 4	532	3.06	1MB	256MB	15.0"	XGA	No	40GB	Combo	Go5200	64MB	11b/g	Gb 12-cell XP Pro	No	Oct 04
2881-8DU	Pentium 4	538	3.2	1MB	256MB	15.0"	SXGA+	No	40HS	Combo	Go5200	64MB	11b/g	Gb 12-cell XP Pro	No	Oct 04
2881-8JU	Pentium 4	538	3.2	1MB	512MB	15.0"	XGA	No	40HS	Combo	Go5200	64MB	None	Gb 12-cell XP Pro	No	Oct 04
2881-8MU	Pentium 4	548	3.33	1MB	512MB	15.0"	SXGA+	No	80HS	DVD±RW	Go5200	128M	11a/b/g II ³²	Gb 12-cell XP Pro	No	Oct 04
2881-8NU	Pentium 4	548	3.33	1MB	256MB	15.0"	SXGA+	No	80HS	Combo	Go5200	64MB	None	Gb 12-cell XP Pro	No	Oct 04
2881-8PU	Pentium 4	548	3.33	1MB	256MB	15.0"	XGA	No	40HS	Combo	Go5200	64MB	11b/g	Gb 12-cell XP Pro	No	Oct 04
2881-8QU	Pentium 4	548	3.33	1MB	256MB	15.0"	XGA	No	40HS	Combo	Go5200	64MB	None	Gb 12-cell XP Pro	No	Oct 04
2881-D2U	Pentium 4	552	3.46	1MB	512MB	15.0"	SXGA+	No	80HS	DVD±RW	Go5200	128M	11a/b/g II	Gb 12-cell XP Pro	No	Jan 05
2881-D9U	Pentium 4	552	3.46	1MB	256MB	15.0"	XGA	No	40HS	Combo	Go5200	64MB	11b/g	Gb 12-cell XP Pro	No	Jan 05
Positioning Processor ³⁷	<i>Powerful desktop replacement; two (models without diskette drive) or three-spindle system</i>										SOFTWARE¹⁴					
L2 cache	Mobile Intel® Pentium 4 Processor 532 (3.06GHz), 538 (3.2GHz), 548 (3.33GHz), or 552 (3.46GHz) with enhanced Intel SpeedStep™ technology ¹ , Hyper-Threading technology, and 533MHz system bus										Windows XP Professional					
Memory	1MB / on die (at processor speed) / ECC										- Microsoft® Windows® XP Professional ²⁰ (Service Pack 2)					
Diskette drive	None / use optional USB-based diskette drive										◆ Disk-to-Disk Recovery (in hidden protected area)					
DVD±RW	Some: DVD-ROM/CD-RW / 24X/10X/24X/8X ²¹ speed / fixed, not removable / 12.7mm										Preloaded					
Disk	Some: DVD and CD burner / writes to + and - formats / Multi-Burner Plus / not removable										• Rescue and Recovery™					
Display	Some: 15.0" (381.0mm) XGA (1024x768) TFT color / Active Matrix / 150 nits										• Access IBM					
Graphics	Some: 15.0" (381.0mm) SXGA+ (1400x1050) TFT color / Active Matrix / 150 nits										• Access Connections					
Graphics external	All: one latch to unlatch and open with one hand										• Norton AntiVirus (OEM edition)					
EasyPivot	External monitor support via analog DB-15 connector / up to 2048x1536 at 72Hz / DDC2B										• PC-Doctor™					
Keyboard	ThinkPad EasyPivot base allows smooth positioning for a comfortable viewing angle										• ThinkPad Utilities					
ComfortSlant	87-key / Access IBM button / palm rest / pitch: 19mm; stroke: 2.7mm (std-size keys)										• Adobe Reader					
TrackPoint®	ThinkPad ComfortSlant keyboard with built-in incline provides maximum typing comfort										• Update Connector™ ¹⁵					
Touch pad	TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar ¹³ , magnifying glass / soft dome TrackPoint cap / ships with classic dome and soft rim TrackPoint cap										• RecordNOW and Drive Letter Access powered by Sonic products (combo, DVD-RW models)					
Dimensions ³	No touch pad (UltraNav™ multi-pointing system) / no ThinkLight™										• InterVideo WinDVD (combo, DVD±RW models)					
Weight ²	12.9" x 11.1" x 1.5-2.0"; 329mm x 282.5mm x 37.1-50.9mm; Volume: 4 liters										• InterVideo WinDVD Creator (DVD±RW models)					
Case material	with optical drive and battery: 6-cell: up to 7.55 lb (3.4kg); 12-cell: up to 8.18 lb (3.7kg)										• Simple Backup (DVD±RW)					
Battery - type	Color: black; All: Acrylonitrile-Butadiene-Styrene/Polycarbonate (ABS/PC) plastic										Downloadable					
Battery - life	Lithium Ion 6-cell or 12-cell / intelligent / removable										• IBM Director Agent					
Architecture	Not published										• Software Delivery Assistant					
PC Card Std slots	Intel 852GME chipset / 82852GME 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) /										• System Migration Assistant					
Ports	PCI bus 2.2 32-bit, 33MHz (TI® PCI1520 CardBus controller, Mini PCI) /										Licence (CD not included)					
IEEE 1394	LPC bus 33MHz (PC87391 Super I/O for [diskette], parallel, PS/2)										- Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client					
Wireless antenna	Two Type I, two Type II, or one Type III / CardBus 32-bit / PCMCIA 2.1 / integrated door										ThinkPad notebooks implement ThinkVantage™ technologies and design; visit thinkpad.com/thinkvantage					
Mini PCI	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					
None	None										PC 2001 and PXE 2.0-compliant					
11b/g ³²	Some (wireless models): UltraConnect™ Antenna built into the display cover										ACPI 1.0b and 2.0-compliant					
11a/b/g II ³²	One Mini PCI type III slot (Communications Bay) / not customer upgradable										CIM and DMI 2.0-compliant					
CDC	Some: empty / not customer upgradable										ENERGY STAR®-compliant					
Modem	Some: 11b/g Wi-Fi ³² wireless ⁴ , Mini PCI, Atheros™ AR5004G chipset										ImageUltra™ Services available					
Ethernet	Some: 11a/b/g wireless ⁴ , ThinkPad 11a/b/g Mini PCI Adapter II, Atheros™ AR5004X chip										International Warranty Service ¹⁷					
Audio support	One Communications Daughter Card (CDC) socket (used by modem) / not accessible										24 hour x 7 day ¹⁸ toll-free warranty support during the warranty ¹²					
Security	56K ⁶ V.90 (V.92-designed ²⁵) modem in CDC / Conexant® chipset										ServicePac®. ²² 1yr IOR 9x5 NBD					
Security chip	Gigabit (Gb) ethernet on planar / Broadcom® BCM5705M (PHY/MAC) / PXE, Wake on LAN®										30L9188					
Limited warranty ¹²	Soft audio / ICH AC97 controller / DirectSound® support / AD90764 AC97 codec / mono speaker / 2 watt / volume up, down, mute buttons / no internal microphone / microphone input jack (3.5 mm) / headphone jack (3.5 mm) / no line in jack										ServicePac 2 yr IOR 9x5 NBD					
	Power-on password / hard disk password / supervisor password / security keyhole										30L9189					
	None										ServicePac 3 yr IOR 9x5 NBD					
	None										30L9195					
	None										ServicePac 4 yr IOR 9x5 NBD					
	None										30L9194					
	None										ServicePac 5 yr IOR 9x5 NBD					
	None										30L9196					
	None										ServicePac 2 yr P&L P/U Depot					
	None										30L9191					
	None										ServicePac 3 yr P&L P/U Depot					
	None										30L9192					
	None										ServicePac 4 yr P&L P/U Depot					
	None										69P9195					
	None										ServicePac 5 yr P&L P/U Depot					
	None										69P9197					
	None										Post-warranty annual maintenance agreements at ibm.com/services/us/its/pdf/maspspleu.pdf					
128 MB PC2700 DDR-SDRAM CL2.5 SOD	31P9828	ThinkPad G41 Li-Ion Battery 12-cell	08K8178													
256 MB PC2700 DDR-SDRAM CL2.5 SOD	31P9830	ThinkPad Multiple Battery Charger II	22P9040													
512 MB PC2700 DDR-SDRAM CL2.5 SOD	31P9832	ThinkPad 120W AC Adapter	22P9150													
1GB PC2700 DDR-SDRAM CL2.5 SOD	31P9834	11a/b/g Wireless CardBus Adapter	31P9101													
60GB HS Hard Disk 9.5mm (5400 rpm)	73P3357	ThinkPad Monitor Stand 2001	22P5265													
80GB HS Hard Disk 9.5mm (5400 rpm)	09N4273	ThinkPad Carrying Case - Organizer	73P3598													
USB Portable Diskette Drive	05K9276	ThinkPad Carrying Case - Backpack	73P3599													
USB 2.0 Combo Drive	73P4515	ThinkPad Carrying Case - Leather	73P3600													
USB 2.0 Portable Multi-Burner Drive	22P9163	Enh Perf Wireless Keyboard and Mouse	73P4067													
USB 2.0 Memory Key 512MB	22P9230	USB Travel Keyboard with UltraNav	31P9490													
USB Optical Wheel Mouse	06P4069	Enhanced Performance USB Keyboard	73P2620													
Optical 3-Button ScrollPoint Pro Mouse	31P8700	M400 Projector	0037A04													
Kensington® MicroSaver® Security Cable	73P2582	ThinkVision® E500 Projector	0038A05													
SonyEricsson® GC83 EDGE PC Card	26K3393	Other options at lenovo.com/options														

See footnotes for important warranty information
US models announced October 19, 2004 or January 11, 2005
US models withdrawn effective December 2005

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ThinkPad® G41 (Education) - withdrawn

Created by Lenovo Training Solutions
Personal Systems Reference (PSREF)

Type-model	Processor	Speed GHz	L2 cache	Memory	Screen	Diskette drive	Disk GB ⁸	Optical	Graphics	Mini PCI Comm Bay wireless	Ethernet on planar	Battery	Preload software	Education software	Avail date
2882-2TU	Celeron® D 320	2.40	256K	256MB	14.1" XGA	Yes	30GB	CD	Extreme™ 2	11b/g ³²	10/100	12-cell	XP Pro	No	Oct 04
2882-3TU	Celeron D 325	2.53	256K	256MB	14.1" XGA	Yes	30GB	CD	Extreme 2	11b/g	10/100	12-cell	XP Pro	No	Oct 04
2882-4UU	Celeron D 330	2.66	256K	256MB	14.1" XGA	Yes	30GB	CD	Extreme 2	11b/g	10/100	12-cell	XP Pro	No	Oct 04
2882-ASU	Celeron D 335	2.80	256K	256MB	14.1" XGA	Yes	30GB	CD	Extreme 2	11b/g	10/100	12-cell	XP Pro	Yes	Jan 05
2882-8XU	Pentium® 4 532	3.06	1MB	256MB	15.0" XGA	No	40HS	Combo	Go5200 64MB	11b/g	Gigabit	12-cell	XP Pro	No	Oct 04

• **The 2882 has an EasyServ™.19 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 Lenovo 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 ³⁷	<i>Powerful desktop replacement; two (models without diskette drive) or three-spindle system</i>										SOFTWARE¹⁴			
L2 cache	Intel® Celeron D Processor 320 (2.40GHz), 325 (2.53GHz), 330 (2.66GHz), or 335 (2.80GHz) with 533MHz system bus or										Windows XP Professional			
Memory	Mobile Intel Pentium 4 Processor 532 (3.06GHz) with enhanced Intel SpeedStep™ technology ¹ , Hyper-Threading technology, and 533MHz system bus										- Microsoft® Windows® XP Professional ²⁰ (Service Pack 2)			
Diskette drive	Celeron: 256KB; Pentium 4: 1MB; All: on die (at processor speed) / ECC										♦ Disk-to-Disk Recovery (in hidden protected area)			
CD	256MB std / 2GB max⁷ / PC2700 333MHz DDR1 / non-parity / CL2.5 / two 200-pin SO-DIMM sockets / std memory in one socket / one socket available										Preloaded			
Combo Disk	<i>Some: 3.5" 1.44MB / fixed, not removable / 12.7mm high</i>										• ASU only: Education software from Vital Source Technologies®: vitalSource KEY™ and Personal Portable library™			
Display	<i>Some: CD-ROM / 24X-10X⁹ speed / fixed, not removable / 12.7mm high</i>										• Rescue and Recovery™			
Graphics	<i>Some: DVD-ROM/CD-RW / 24X/10X/24X/8X²¹ speed / fixed, not removable / 12.7mm</i>										• Access IBM			
EasyPivot	30GB⁸ (4200 rpm) or 40GB HS (5400 rpm), 9.5mm high / removable / 9.5mm high bay										• Access Connections			
Keyboard	<i>Some: 14.1" (358.1mm) XGA (1024x768) TFT color / Active Matrix / 150 nits</i>										• Norton AntiVirus (OEM edition)			
ComfortSlant	<i>Some: 15.0" (381.0mm) XGA (1024x768) TFT color / Active Matrix / 150 nits</i>										• PC-Doctor™			
TrackPoint®	<i>All: one latch to unlatch and open with one hand</i>										• ThinkPad Utilities			
Touch pad	Some: Integrated Intel Extreme™ Graphics 2 / Direct AGP / in 852GME GMCH / uses main memory (up to 64MB) / 266MHz / DMVT										• Adobe Reader			
Dimensions ³	Some: NVIDIA® GeForce™ FX Go5200 / NV34M / AGP 4X / 350MHz / 64MB memory										• Update Connector™.15			
Weight ²	ThinkPad EasyPivot base allows smooth positioning for a comfortable viewing angle										• RecordNOW and Drive Letter			
Case material	87-key / Access IBM button / palm rest / pitch: 19mm; stroke: 2.7mm (std-size keys)										• Access powered by Sonic products (combo model)			
Battery - type	ThinkPad ComfortSlant keyboard with built-in incline provides maximum typing comfort										• InterVideo WinDVD (combo model)			
Battery - life	TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass / soft dome TrackPoint cap / ships with classic dome and soft rim TrackPoint cap										Downloadable			
Architecture	No touch pad (UltraNav™ multi-pointing system) / no ThinkLight™										• IBM Director Agent			
PC Card Std slots	12.9" x 11.1" x 1.5-2.0"; 329mm x 282.5mm x 37.1-50.9mm; Volume: 4 liters										• Software Delivery Assistant			
Ports	with optical drive and battery: 12-cell: up to 8.15 lb (3.7kg)										• System Migration Assistant			
Video out or in	Color: black; All: Acrylonitrile-Butadiene-Styrene/Polycarbonate (ABS/PC) plastic										License (CD not included)			
IEEE 1394	Lithium Ion 12-cell / intelligent / removable										- Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client			
Wireless antenna	Not published										ThinkPad notebooks implement ThinkVantage™ technologies and design; visit thinkpad.com/thinkvantage			
Mini PCI	Intel 852GME chipset / 82852GME 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® PCI1520 CardBus controller, Mini PCI) / LPC bus 33MHz (PC87391 Super I/O for [diskette], parallel, PS/2)										Universal 120 watt AC adapter			
CDC	Two Type I, two Type II, or one Type III / CardBus 32-bit / PCMCIA 2.1 / integrated door										PC 2001 and PXE 2.0-compliant			
Modem	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										ACPI 1.0b and 2.0-compliant			
Ethernet	None										CIM and DMI 2.0-compliant			
Audio support	UltraConnect™ Antenna built into the display cover										ENERGY STAR®-compliant			
Security	One Mini PCI type III slot (Communications Bay) / not customer upgradable										ImageUltra™ Services available			
Security chip	One Communications Daughter Card (CDC) socket (used by modem) / not accessible										International Warranty Service ¹⁷			
Limited warranty ¹²	56K V.90 (V.92-designed²⁹) modem in CDC / Conexant® chipset										24 hour x 7 day ¹⁸ toll-free warranty support during the warranty ¹²			
128 MB PC2700 DDR-SDRAM CL2.5 SOD	Some: 10/100 ethernet on planar / Broadcom® BCM5901 (PHY/MAC) / Wake on LAN®										ServicePac®.22 2 yr IOR 9x5 NBD			
256 MB PC2700 DDR-SDRAM CL2.5 SOD	Some: Gigabit ethernet on planar / Broadcom® BCM5705M (PHY/MAC) / Wake on LAN										30L9190			
512 MB PC2700 DDR-SDRAM CL2.5 SOD	Soft audio / ICH AC97 controller / DirectSound® support / AD90764 AC97 codec / mono speaker / 2 watt / volume up, down, mute buttons / no internal microphone / microphone input jack (3.5 mm) / headphone jack (3.5 mm) / no line in jack										ServicePac 3 yr IOR 9x5 NBD			
1 GB PC2700 DDR-SDRAM CL2.5 SOD	Power-on password / hard disk password / supervisor password / security keyhole										30L9197			
60 GB HS Hard Disk 9.5mm (5400 rpm)	None										ServicePac 4 yr IOR 9x5 NBD			
80 GB HS Hard Disk 9.5mm (5400 rpm)	Power-on password / hard disk password / supervisor password / security keyhole										69P9198			
USB Portable Diskette Drive	Power-on password / hard disk password / supervisor password / security keyhole										ServicePac 5 yr IOR 9x5 NBD			
USB 2.0 Combo Drive	Power-on password / hard disk password / supervisor password / security keyhole										69P9200			
USB 2.0 Portable Multi-Burner Drive	Power-on password / hard disk password / supervisor password / security keyhole										ServicePac 4 yr P&L P/U Depot			
USB 2.0 Memory Key 512MB	Power-on password / hard disk password / supervisor password / security keyhole										69P9199			
USB 2.0 Portable 80GB Hard Disk	Power-on password / hard disk password / supervisor password / security keyhole										ServicePac 5 yr P&L P/U Depot			
TrackPoint Cap Collection	Power-on password / hard disk password / supervisor password / security keyhole										69P9201			
Kensington® MicroSaver® Security Cable	Power-on password / hard disk password / supervisor password / security keyhole										ServicePac options at			
SonyEricsson® GC83 EDGE PC Card	Power-on password / hard disk password / supervisor password / security keyhole										ibm.com/services/its/us/source/wamomxeu.pdf			
ThinkPad G41 Li-Ion Battery 12-cell	Power-on password / hard disk password / supervisor password / security keyhole										Post-warranty annual maintenance agreements at			
ThinkPad Multiple Battery Charger II	Power-on password / hard disk password / supervisor password / security keyhole										ibm.com/services/its/us/source/maspspleu.pdf			
ThinkPad 120W AC Adapter	Power-on password / hard disk password / supervisor password / security keyhole										Other options at lenovo.com/options			
11a/b/g Wireless CardBus Adapter	Power-on password / hard disk password / supervisor password / security keyhole													
ThinkPad Carrying Case - Expander	Power-on password / hard disk password / supervisor password / security keyhole													
ThinkPad Carrying Case - Backpack	Power-on password / hard disk password / supervisor password / security keyhole													
ThinkPad Carrying Case - Leather	Power-on password / hard disk password / supervisor password / security keyhole													
Enh Perf Wireless Keyboard and Mouse	Power-on password / hard disk password / supervisor password / security keyhole													
USB Travel Keyboard with UltraNav	Power-on password / hard disk password / supervisor password / security keyhole													
Enhanced Performance USB Keyboard	Power-on password / hard disk password / supervisor password / security keyhole													
M400 Projector	Power-on password / hard disk password / supervisor password / security keyhole													
C400 Projector	Power-on password / hard disk password / supervisor password / security keyhole													
ThinkVision® E500 Projector	Power-on password / hard disk password / supervisor password / security keyhole													
Other options at lenovo.com/options	Power-on password / hard disk password / supervisor password / security keyhole													

See footnotes for important warranty information
US models announced October 19, 2004 or January 11, 2005
US models withdrawn effective December 2005

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ThinkPad® G41 (TopSeller) - withdrawn

Created by Lenovo Training Solutions
Personal Systems Reference (PSREF)

Type-model	Processor	Speed GHz	L2 cache	Memory	Screen	Diskette drive	Disk drive GB ⁸	Optical	Graphics	Mini PCI Comm Bay wireless	Ethernet on planar	Battery cells	Workhorse (W) Global (G) Avail Entry (E)	date
2886-2UU	Celeron® D 320	2.40	256K	256MB	15.0" XGA	No	30GB	Combo	Extreme™ 2	11b/g ³²	10/100	12-c	XP Pro	No Oct 04
2886-23U	Celeron D 320	2.40	256K	256MB	14.1" XGA	No	30GB	Combo	Extreme 2	None	10/100	12-c	XP Pro	No Oct 04
2886-2VU	Celeron D 320	2.40	256K	256MB	14.1" XGA	No	30GB	CD	Extreme 2	None	10/100	12-c	XP Pro	No Nov 04
2886-2WU	Celeron D 320	2.40	256K	256MB	14.1" XGA	No	30GB	DVD	Extreme 2	None	10/100	12-c	XP Pro	No Nov 04
2886-3UU	Celeron D 325	2.53	256K	256MB	15.0" XGA	No	30GB	Combo	Extreme 2	11b/g	10/100	12-c	XP Pro	No Oct 04
2886-5TU	Pentium® 4 532	3.06	1MB	256MB	15.0" XGA	Yes	40GB	Combo	Extreme 2	11b/g	10/100	6-c	XP Pro	No Oct 04
2886-78U	Pentium 4 538	3.2	1MB	512MB	15.0" SXGA+	No	80HS	Combo	Go5200 128M	11b/g	Gigabit	12-c	XP Pro	No Oct 04
2886-79U	Pentium 4 548	3.33	1MB	512MB	15.0" SXGA+	No	80HS	DVD±RW	Go5200 128M	11b/g	Gigabit	12-c	XP Pro	No Oct 04
2886-92U	Pentium 4 532	3.06	1MB	256MB	15.0" XGA	No	40HS	Combo	Go5200 64MB	11b/g	Gigabit	12-c	XP Pro	No Oct 04
2886-93U	Pentium 4 538	3.2	1MB	512MB	15.0" SXGA+	No	40HS	Combo	Go5200 64MB	11b/g	Gigabit	12-c	XP Pro	No Oct 04

These small and medium business (SMB) models are part of the US TopSeller™ Program

Positioning Processor ³⁷	Powerful desktop replacement; two (models without diskette drive) or three-spindle system										SOFTWARE¹⁴			
L2 cache	Intel® Celeron D Processor 320 (2.40GHz) or 325 (2.53GHz) with 533MHz system bus or Mobile Intel Pentium 4 Processor 532 (3.06GHz), 538 (3.2GHz), or 548 (3.33GHz) with Enhanced Intel SpeedStep™ technology ¹ , Hyper-Threading technology, and 533MHz bus										Windows XP Professional			
Memory	Celeron: 256KB; Pentium 4: 1MB; All: on die (at processor speed) / ECC										- Microsoft® Windows® XP Professional ²⁰ (Service Pack 2)			
Diskette drive	Some: 3.5" 1.44MB / fixed, not removable / 12.7mm high										◆ Disk-to-Disk Recovery (in hidden protected area)			
CD	Some: CD-ROM / 24X-10X ⁹ speed / fixed, not removable / 12.7mm high										Preloaded			
DVD	Some: DVD-ROM / 24X-8X ⁹ speed / single-layer / fixed, not removable / 12.7mm high										• Rescue and Recovery™			
Combo	Some: DVD-ROM/CD-RW / 24X/10X/24X/8X ²¹ speed / fixed, not removable / 12.7mm										• Access Program			
DVD±RW	Some: DVD and CD burner / writes to + and - formats / Multi-Burner Plus / not removable										• Access Connections™			
Disk	30GB ⁸ (4200 rpm), 40GB (4200 rpm), 40GB HS (5400 rpm), or 80GB HS (5400 rpm) / 9.5mm high / removable / 9.5mm high bay										• Norton AntiVirus (OEM edition)			
Display	Some: 14.1" (358.1mm) XGA (1024x768) TFT color / Active Matrix / 150 nits										• PC-Doctor™			
Graphics	Some: 15.0" (381.0mm) XGA (1024x768) TFT color / Active Matrix / 150 nits										• ThinkPad Utilities			
EasyPivot	All: one latch to unlatch and open with one hand										• Adobe® Reader			
Keyboard	Some: Integrated Intel Extreme™ Graphics 2 / Direct AGP / in 852GME GMCH / uses main memory (up to 64MB) / 266MHz / DMVT										• Update Connector™ ¹⁵			
ComfortSlant	Some: NVIDIA® GeForce™ FX Go5200 / NV34M / AGP 4X / 64 or 128MB memory										• RecordNOW and Drive Letter Access powered by Sonic products (combo, DVD-RW models)			
TrackPoint®	ThinkPad EasyPivot base allows smooth positioning for a comfortable viewing angle										• InterVideo WinDVD (combo, DVD, DVD±RW models)			
Touch pad	87-key / Access IBM button / palm rest / pitch: 19mm; stroke: 2.7mm (std-size keys)										• InterVideo WinDVD Creator (DVD±RW models)			
Dimensions ³	ThinkPad ComfortSlant keyboard with built-in incline provides maximum typing comfort										• Simple Backup (DVD±RW)			
Weight ²	TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar ¹³ , magnifying glass										Downloadable			
Case material	soft dome TrackPoint cap / ships with classic dome and soft rim TrackPoint cap										• IBM Director Agent			
Battery - type	No touch pad (UltraNav™ multi-pointing system) / no ThinkLight™										• Software Delivery Assistant			
Battery - life	Not published										• System Migration Assistant			
Architecture	Intel 852GME chipset / 82852GME 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® PCI1520 CardBus controller, Mini PCI) / LPC bus 33MHz (PC87391 Super I/O for [diskette], parallel, PS/2)										License (CD not included)			
PC Card Std slots	Two Type I, two Type II, or one Type III / CardBus 32-bit / PCMCIA 2.1 / integrated door										- Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client			
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										Supports ThinkVantage™ technologies; visit thinkpad.com/thinkvantage			
Wireless antenna	Some (wireless models): UltraConnect™ Antenna built into the display cover										Universal 120 watt AC adapter			
Mini PCI	One Mini PCI type III slot (Communications Bay) / not customer upgradable										PC 2001 and PXE 2.0-compliant			
None	Some: empty / not customer upgradable										ACPI 1.0b and 2.0-compliant			
11b/g ³²	Some: 11b/g Wi-Fi ³² wireless ⁴ , Mini PCI, Atheros™ AR5004G chipset										CIM and DMI 2.0-compliant			
CDC	One Communications Daughter Card (CDC) socket (used by modem) / not accessible										ENERGY STAR™-compliant			
Modem	56K ⁶ V.90 (V.92-designed ²⁵) modem in CDC / Conexant® chipset										ImageUltra™ Services available			
Ethernet	Some: 10/100 ethernet on planar / Broadcom® BCM5901 (PHY/MAC) / Wake on LAN®										International Warranty Service ¹⁷			
Audio support	Some: Gigabit ethernet on planar / Broadcom® BCM5705M (PHY/MAC) / Wake on LAN										24 hour x 7 day ¹⁸ toll-free warranty support during the warranty ¹²			
Security	Soft audio / ICH AC97 controller / DirectSound® support / AD90764 AC97 codec / mono speaker, 2 watt / volume up, down, mute buttons / no internal microphone / microphone input jack (3.5 mm) / headphone jack (3.5 mm) / no line in jack										ThinkPlus™.22 1-year LOR 9x5 NBD			
Security chip	Power-on password / hard disk password / supervisor password / security keyhole										41C9166			
Limited warranty ¹²	None										ThinkPlus 2-year LOR 9x5 NBD			
	None										41C9167			
	None										ThinkPlus 3-year LOR 9x5 NBD			
	None										41C9168			
	None										ThinkPlus 4-year LOR 9x5 NBD			
	None										41C9171			
	None										ThinkPlus 5-year LOR 9x5 NBD			
	None										41C9173			
	None										ThinkPlus 2-year P&L P/U Depot			
	None										22P9040			
	None										ThinkPlus 3-year P&L P/U Depot			
	None										22P9150			
	None										ThinkPlus 4-year P&L P/U Depot			
	None										22P5265			
	None										ThinkPad Carrying Case - Leather			
	None										73P3600			
	None										ThinkPlus 4-year P&L P/U Depot			
	None										31P8950			
	None										USB Keyboard with UltraNav			
	None										31P9490			
	None										ThinkPlus 5-year P&L P/U Depot			
	None										Enhanced Performance USB Keyboard			
	None										73P2620			
	None										Lenovo M500 Projector			
	None										0037A05			
	None										ThinkVision® L201p 20.1" Monitor (black)			
	None										9320HB1			
	None										Other options at lenovo.com/options			
	None										ThinkPlus 2-year P&L P/U Depot			
	None										08K8178			
	None										ThinkPad Multiple Battery Charger II			
	None										22P9040			
	None										ThinkPlus 3-year P&L P/U Depot			
	None										22P9150			
	None										ThinkPad Monitor Stand			
	None										22P5265			
	None										ThinkPad Carrying Case - Leather			
	None										73P3600			
	None										ThinkPlus 4-year P&L P/U Depot			
	None										31P8950			
	None										USB Keyboard with UltraNav			
	None										31P9490			
	None										ThinkPlus 5-year P&L P/U Depot			
	None										Enhanced Performance USB Keyboard			
	None										73P2620			
	None										Lenovo M500 Projector			
	None										0037A05			
	None										ThinkVision® L201p 20.1" Monitor (black)			
	None										9320HB1			
	None										Other options at lenovo.com/options			

See footnotes for important warranty information
US models announced on October 19 or November 23, 2004
US models withdrawn effective October 2006

ThinkPad® G41 (Entry) - withdrawn

Created by Lenovo Training Solutions
Personal Systems Reference (PSREF)

Type-model	Processor	Speed GHz	L2 cache	Memory	Screen	Diskette drive	Disk GB ⁸	Optical	Graphics	Mini PCI Comm Bay wireless	Ethernet on planar	Battery cells	Workhorse (W) Global (G) Avail																																																																						
2881-22U	Celeron® D 320	2.40	256K	128MB	14.1" XGA	No	30GB	CD	Extreme™ 2	None	10/100	6-cell XP Home	Entry Oct 04																																																																						
2881-2AU	Celeron D 320	2.40	256K	256MB	14.1" XGA	No	30GB	CD	Extreme 2	None	10/100	6-cell XP Home	Entry Nov 04																																																																						
2881-28U	Celeron D 320	2.40	256K	128MB	14.1" XGA	Yes	30GB	DVD	Extreme 2	None	10/100	6-cell XP Home	Entry Oct 04																																																																						
2881-2BU	Celeron D 320	2.40	256K	256MB	14.1" XGA	Yes	30GB	CD	Extreme 2	11b/g ³²	10/100	6-cell XP Pro	Entry Oct 04																																																																						
2881-2NU	Celeron D 320	2.40	256K	128MB	15.0" XGA	No	30GB	CD	Extreme 2	None	10/100	6-cell XP Home	Entry Oct 04																																																																						
2881-32U	Celeron D 325	2.53	256K	128MB	14.1" XGA	Yes	30GB	CD	Extreme 2	None	10/100	6-cell XP Home	Entry Oct 04																																																																						
2881-38U	Celeron D 325	2.53	256K	128MB	14.1" XGA	Yes	30GB	DVD	Extreme 2	None	10/100	6-cell XP Home	Entry Oct 04																																																																						
2881-3BU	Celeron D 325	2.53	256K	256MB	14.1" XGA	No	30GB	CD	Extreme 2	11b/g	10/100	6-cell XP Pro	Entry Oct 04																																																																						
2881-42U	Celeron D 330	2.66	256K	128MB	14.1" XGA	Yes	30GB	CD	Extreme 2	None	10/100	6-cell XP Home	Entry Oct 04																																																																						
2881-47U	Celeron D 330	2.66	256K	128MB	14.1" XGA	Yes	30GB	DVD	Extreme 2	None	10/100	6-cell XP Home	Entry Oct 04																																																																						
2881-57U	Pentium® 4 532	3.06	1MB	128MB	14.1" XGA	No	30GB	CD	Extreme 2	None	10/100	6-cell XP Home	Entry Oct 04																																																																						
Positioning Processor ³⁷	<i>Powerful desktop replacement; two (models without diskette drive) or three-spindle system</i>																																																																																		
L2 cache Memory	Intel® Celeron D Processor 320 (2.40GHz), 325 (2.53GHz), or 330 (2.66GHz) with 533MHz system bus or Mobile Intel Pentium 4 Processor 532 (3.06GHz) with enhanced Intel SpeedStep™ technology ¹ , Hyper-Threading technology, and 533MHz system bus <i>Celeron: 256KB; Pentium 4: 1MB; All: on die (at processor speed) / ECC</i> 128 or 256MB std / 2GB max ⁷ / PC2700 333MHz DDR1 / non-parity / CL2.5 / two 200-pin SO-DIMM sockets / std memory in one socket / one socket available																																																																																		
Diskette drive CD DVD Disk	<i>Some: 3.5" 1.44MB / fixed, not removable / 12.7mm high</i> <i>Some: CD-ROM / 24X-10X⁹ speed / fixed, not removable / 12.7mm high</i> <i>Some: DVD-ROM / 24X-8X⁹ speed / single-layer / fixed, not removable / 12.7mm high</i> 30GB⁸ (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	Integrated Intel Extreme™ Graphics 2 / Direct AGP / in 852GME GMCH / uses main memory (up to 64MB) / 266MHz / DMVT																																																																																		
Graphics external EasyPivot	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																																																																																		
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 ¹³ , 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 ³ Weight ² Case material Battery - type Battery - life	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>6-cell: up to 7.52 lb (3.4kg)</i> <i>Color: black; All: Acrylonitrile-Butadiene-Styrene/Polycarbonate (ABS/PC) plastic</i> Lithium Ion 6-cell / intelligent / removable Not published																																																																																		
Architecture	Intel 852GME chipset / 82852GME 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® PCI1520 CardBus controller, Mini PCI) / LPC bus 33MHz (PC87391 Super I/O for [diskette], parallel, PS/2)																																																																																		
PC Card Std slots Ports	Two Type I, two 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																																																																																		
Wireless antenna Mini PCI	<i>Some (wireless models): UltraConnect™ Antenna built into the display cover</i> One Mini PCI type III slot (Communications Bay) / not customer upgradable																																																																																		
None 11b/g ³²	<i>Some: empty / not customer upgradable</i> <i>Some: 11b/g Wi-Fi³² wireless⁴, Mini PCI, Atheros™ AR5004G chipset</i>																																																																																		
CDC Modem Ethernet Audio support	One Communications Daughter Card (CDC) socket (used by modem) / not accessible 56K ⁶ V.90 (V.92-designed ²⁹) modem in CDC / Conexant® chipset 10/100 ethernet on planar / Broadcom® BCM5901 (PHY/MAC) / PXE / Wake on LAN® Soft audio / ICH AC97 controller / DirectSound® support / AD90764 AC97 codec / mono speaker / 2 watt / volume up, down, mute buttons / no internal microphone / microphone input jack (3.5 mm) / headphone jack (3.5 mm) / no line in jack																																																																																		
Security Security chip	Power-on password / hard disk password / supervisor password / security keyhole None																																																																																		
Limited warranty ¹²	1 year - EasyServ™ ¹⁹ onsite pickup and delivery / service upgrades ²² available																																																																																		
128MB PC2700 DDR-SDRAM CL2.5 SOD	31P9828	ThinkPad G41 Li-Ion Battery 12-cell	08K8178	256MB PC2700 DDR-SDRAM CL2.5 SOD	31P9830	ThinkPad Multiple Battery Charger II	22P9040	512MB PC2700 DDR-SDRAM CL2.5 SOD	31P9832	ThinkPad 120W AC Adapter	22P9150	1GB PC2700 DDR-SDRAM CL2.5 SOD	31P9834	11a/b/g Wireless CardBus Adapter	31P9101	ServicePac 2 yr P&L P/U Depot	30L9196	40GB HS Hard Disk 9.5mm (5400 rpm)	08K9816	GemPC400 Smart Card Reader/Writer	31P8901	ServicePac 2 yr P&L P/U Depot	30L9191	60GB HS Hard Disk 9.5mm (5400 rpm)	73P3357	ThinkPad Monitor Stand 2001	22P5265	ServicePac 3 yr P&L P/U Depot	30L9192	80GB HS Hard Disk 9.5mm (5400 rpm)	09N4273	ThinkPad Carrying Case - Expander	73P3597	ServicePac 3 yr P&L P/U Depot	69P9195	USB Portable Diskette Drive	05K9276	ThinkPad Carrying Case - Organizer	73P3598	ServicePac 4 yr P&L P/U Depot	69P9195	USB 2.0 Combo Drive	73P4515	ThinkPad Carrying Case - Leather	73P3600	ServicePac 5 yr P&L P/U Depot	69P9197	USB 2.0 Portable Multi-Burner Drive	22P9163	USB Keyboard with UltraNav	31P8950	ServicePac 5 yr P&L P/U Depot	69P9197	USB 2.0 Memory Key 512MB	22P9230	USB Travel Keyboard with UltraNav	31P9490	Post-warranty annual maintenance agreements at		Optical 3-Button Travel Wheel Mouse	31P7410	Enhanced Performance USB Keyboard	73P2620	ibm.com/services/us/its/pdf/maspspleu.pdf		TrackPoint Cap Collection	73P2698	C400 Projector	0039A04			Kensington® MicroSaver® Security Cable	73P2582	ThinkVision® E500 Projector	0038A05			SonyEricsson® GC83 EDGE PC Card	26K3393	Other options at lenovo.com/options			

See footnotes for important warranty information
 US models announced October 19 or November 23, 2004
 US models withdrawn effective December 2005

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