

Personal Systems Reference Lenovo® 3000 and Essential Desktops 2006 - 2013 Withdrawn

Last Update: April 2014 - Version 452



H4xx series Desktop



C3xx series All-In-One





Lenovo C100

Lenovo C100



Lenovo C100

Type-model	Processor	GHz	Memory	Widescreen display	Camera (mega- pixel)	-	SATA disk	SATA	Mini PCle 802.11 wireless	Color	Blue- tooth	KBD	Mouse	Preload	Avail date
	Atom 230	1.60 1.60 1.60	1GB	18.5" WXGA 18.5" WXGA 18.5" WXGA	1.3	GMA GMA GMA	160GB ⁸ 160GB 320GB	DVD±RW DVD±RW DVD±RW	11b/g ²⁸	Black	None	PS/2	USB	XP Home XP Home Home Basic	Sep 09 Sep 09 Sep 09

- All-In-One design with 18.5" 16:9 widescreen
 Lenovo® Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Processor	Intel® Atom™ processor 230 with single-core, Hyper-Threading technology, Intel 64 Technology, Execute Disable Bit, 533MHz system bus, and 512KB L2 cache or Intel Atom processor 330 with dual-core, Hyper-Threading technology, Intel 64 Technology, Execute Disable Bit, 533MHz system bus, and 1MB L2 cache	Preloaded operating system ²⁰ - Some: Genuine Windows® XP Home Edition - Some: Genuine Windows Vista® Home Basic 32 Preloaded applications ¹⁴
Memory SATA DVD±RW SATA disk Widescreen display	1GB or 2GB std / 2GB max ⁷ / PC2-5300 667MHz DDR2, non-parity, one 200-pin SO-DIMM socket; standard memory in one socket; no sockets available DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 160GB or 320GB, SATA 3.0Gb/s, 2.5" wide, 5400 rpm 18.5" (470.1mm) WXGA (1366x768) TFT color, anti-glare, CCFL backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio	Lenovo OneKey Recovery Driver and Application Installation Trend Micro™ PC-cillin™ Internet Security 2008 Windows Live™ Toolbar (Vista Models) Cyberlink Power2Go (DVD±RW)
Camera Controls Graphics	Camera on top of screen, 1.3-megapixel, fixed focus, with mono microphone Power button on right Intel Graphics Media Accelerator 950 (GMA 950), integrated graphics in 945GC, uses main memory	Corel® WinDVD®
Chipset Multicard reader Ports	Intel 945GC Express Chipset, I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, ethernet MAC, USB, LPC bus) None Rear: Two USB 2.0, ethernet (RJ-45), keyboard (PS/2), microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Mini PCI Express 11b/g ²⁸ TV tuner Bluetooth™ Modem Ethernet Audio support	Left: Two USB 2.0 One Mini PCI Express slot Some: 11b/g wireless ⁴ , Mini PCIe adapter, Realtek® RTL8191SE None None None 10/100 ethernet on planar, Realtek 8103EL High Definition (HD) Audio, RealTek® ALC662 codec / two stereo speakers (2 watt) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm) Supervisor password	- 65-watt AC adapter RoHS-compliant Limited Warranty¹²
Keyboard Mouse Remote control Dimensions ³ Weight ² Chassis Stand	PS/2 full-size keyboard USB Optical Wheel Mouse None (WxHxD): 18.5" x 14.6" x 3.98"; 469mm x 370mm x 101mm 13.22 lb (6.0 kg) Black color Basic folding stand (adjustable between 35° and 54°)	day response time) Service upgrade options (in eligible locations): • 3-year Lenovo Onsite Repair 9x5 Next Business Day (43R8882) 24x7¹º toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information US models announced September 15, 2009 US models withdrawn effective July 2010

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Lenovo C200 Black



Lenovo C200 Black



Lenovo C200 Black

						Wide-		Camera		PCle Mini							
						screen	Touch	(mega-	Integrated	SATA	SATA	TV	Remote	Card	Blue-		Avail
Type-mo	del	Pro	cessor	GHz	Memo	ry display	screen	pixel)	graphics	disk	optical	tuner	control	802.11	tooth	Preload	date
4005 4 41		-	_	4 00	400	40 511 110		0.014	0144 0450	100000	D) (D : D) (441 / / 00		VDII	4 40

 $4025\text{-}1AU \quad Atom \ D410 \quad 1.66 \quad 1GB \quad 18.5" \ HD \quad None \quad 0.3M \quad GMA \ 3150 \quad 160GB^8 \ DVD \\ \pm RW \quad None \quad None \quad 11b/g/n^{28} \quad None \quad XP \ Home \ Apr \ 100GB^8 \quad DVD \\ \pm RW \quad None \quad None \quad 11b/g/n^{28} \quad None \quad$

- All-In-One design with 18.5" 16:9 wide screen
- Lenovo® Rescue System provides OneKey recovery without booting into Windows
- Easily adjustable stand (-5° to +25° viewing angle)

Processor	Intel® Atom™ Processor D410 with single-core, DMI (Direct Media Interface), integrated DDR2 memory controller (up to 800MHz) Hyper-Threading Technology, and 512KB L2 cache	Preloaded operating system ²⁰ - Genuine Windows® XP Home Edition
Memory	1GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2, non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; Non-Italics: standard memory in one sockets; one socket available	Preloaded applications ¹⁴ (only some listed) Lenovo OneKey Recovery
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 160GB , SATA 3.0Gb/s, 2.5" wide, 5400 rpm	Driver and Application Installation McAfee® VirusScan® Plus 2009
Widescreen display Camera Controls	18.5" (470mm) HD (1366x768) TFT color, anti-glare, CCFL backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus, with mono microphone Power button, brightness up, brightness down, and display on/off buttons	(60 days of virus definitions) Cyberlink Power2Go (DVD±RW) Corel® WinDVD®
Integrated graphics	Intel Graphics Media Accelerator 3150 (GMA 3150), integrated graphics in processor, uses main memory	
Chipset Multicard reader Ports	Intel NM10 Express Chipset 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity, xD-Picture Card™) Rear: Three USB 2.0, ethernet (RJ-45), keyboard (PS/2),	65-watt AC adapter
	Side: Two USB 2.0	RoHS-compliant
PCIe Mini Card 11b/g/n² ⁸ TV tuner Bluetooth™ Modem Ethernet Audio support	One Mini PCI Express Mini Card slot 11b/g/n wireless ⁴ , PCIe Mini Card, Broadcom® BCM4313 or Atheros AR9285 None None None 10/100 ethernet on planar, Intel® 82552V High Definition (HD) Audio, RealTek® ALC662 codec / two stereo speakers (3 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	Limited Warranty ¹² 1-year parts and labor Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts ²³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) Service upgrade options
Security Keyboard	Power-on password, supervisor password, security lockhole PS/2 full-size keyboard, black	(in eligible locations):9
Mouse Remote control	USB Optical Wheel Mouse, black None	2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552) 3-year Lenovo In-Home Repair
Dimensions ³ Weight ² Chassis Stand	(WxHxD) including stand: 18.12" x 15.13" x 6.63"; 460.3mm x 384.3mm x 168.3mm 16.01 lb (7.26kg) Front bezel: black color; back bezel: black color Easily adjustable stand (-5° to +25° viewing angle)	9x5 Next Business Day (78Y1553) 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686

See footnotes for important warranty information US model announced April 28, 2010 US models withdrawn effective October, 2010

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				Wide-		Camera						PCIe Mini			
Type-model	Processor	GHz	Memory	screen display	Touch screen		Graphics	SATA disk	SATA optical	Color	TV tuner	Card 802.11	Blue- tooth	Win7 preload	Avail date
4025-1BU A 4025-1CU A 4025-3GU A 4025-3LU A	Atom D510 Atom D510	1.66 1.66	2GB DDR2 1GB DDR2	18.5" HD 18.5" HD	Touch	0.3M 0.3M	NVIDIA ION NVIDIA ION GMA 3150 GMA 3150	320GB 250GB	DVD±RW DVD±RW	Black Black	None None	11b/g/n 11b/g/n	None None	Prem 32 Prem 32	Apr 10 Aug 10

- All-In-One design with 18.5" 16:9 wide screen
 Some: touchscreen supports one-finger touch
- Lenovo Rescue System provides OneKey recovery without booting into Windows
 Easily adjustable stand (-5° to +25° viewing angle)
 These systems are Microsoft Office 2010 Product Key Ready (O10PKR)

Processor	Intel® Atom™ Processor D510 with dual-core.	Preloaded operating system ²⁰
1 10000001	integrated DDR2 memory controller (up to 800MHz), Hyper-Threading Technology, and 1MB L2 cache	- Genuine Windows® 7 Home Premium 32
	Intel Atom Processor D525 with dual-core.	
	integrated DDR2/DDR3 memory controller (up to 800MHz), Hyper-Threading Technology, and 1MB L2 cache	Preloaded applications ¹⁴ (only some listed)
Memory	1GB or 2GB std / 4GB max ⁷ / non-parity, single-channel	 Lenovo OneKey Recovery Driver and Application Installation
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Some: PC2-5300 667MHz DDR2, two 200-pin SO-DIMM sockets;	McAfee® VirusScan® Plus
	Some: PC3-6400 800MHz DDR3, two 204-pin SO-DIMM sockets; Non-Italics: standard memory in one socket; one socket available	(60 days of virus definitions) • Cyberlink Power2Go (DVD±RW)
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 250GB or 320GB , SATA 3.0Gb/s, 2.5" wide, 5400 rpm	Córel® WinDVD® Lenovo IdeaTouch (Touch models)
Widescreen	18.5" (470mm) HD (1366x768) TFT color, anti-glare, CCFL backlight, 250 nits,	Lenovo VeriTouchWindows Live Essential
display	16:9 aspect ratio, 1000:1 contrast ratio; Some: touchscreen supports one-finger touch	Microsoft® Office 2010 preloaded;
Camera Controls	Camera on top of screen, 0.3-megapixel, fixed focus, with mono microphone	purchase product key to activate
Graphics	Power button, brightness up, brightness down, and display on/off buttons Some: Intel Graphics Media Accelerator 3150 (GMA 3150), in processor;	-
Стартноз	Some: NVIDIA® ION™ graphics processor, DirectX 10, PureVideo® HD technology, 256MB memory	
Chipset	Intel NM10 Express Chipset	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity)	
Ports	Rear: Three USB 2.0, ethernet (RJ-45), keyboard (PS/2),	65-watt AC adapter
	Side: Two USB 2.0	- RoHS-compliant
PCIe Mini Card 11b/g/n ²⁸	One Mini PCI Express Mini Card slot 11b/g/n wireless ⁴ , PCIe Mini Card, Broadcom® BCM4313 or Atheros® AR9285	Limited Warranty ¹²
TV tuner Bluetooth™	None None	
Modem	None	Customer Replaceable Unit (CRU) parts only (with limited onsite
Ethernet Audio support	10/100 ethernet on planar, Intel® 82552V High Definition (HD) Audio, RealTek® ALC662 codec /	service for selected parts ²³ ,
Audio Support	two stereo speakers (3 watt x 2) / microphone, microphone input jack (3.5 mm),	8 am - 5 pm, Mon - Fri coverage
	headphone jack (3.5 mm)	excluding holidays, next business day response time)
Security	Power-on password, supervisor password, security lockhole	Service upgrade options
Keyboard Mouse	PS/2 full-size keyboard, black USB Optical Wheel Mouse, black	(in eligible locations):9
Remote control	None	• 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552)
Dimensions ³	(WxHxD) including stand: 18.12" x 15.13" x 6.63"; 460.3mm x 384.3mm x 168.3mm	3-year Lenovo In-Home Repair
Weight ²	Non-touchscreen model: 16.0lb (7.26kg); Touchscreen model: 17.1lb (7.76kg)	9x5 Next Business Day (78Y1553) ≈ 24x7¹⁶ toll-free support for warranty
Chassis	Front bezel: black color; back bezel: black color	issues during the warranty period ¹²
Stand	Easily adjustable stand (-5° to +25° viewing angle)	via 877-453-6686

See footnotes for important warranty information US models announced April 28 or August 25, 2010 or March 23, 2011 US models withdrawn effective December, 2012

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(MAUI1-2) December 2012

				Wide-		Camera					PCIe Mini				
Type-model	Processor	GHz	Memory	screen display	Touch screen	(mega- pixel)	Graphics	SATA disk	SATA optical	Color	TV tuner	Card 802.11	Blue- tooth	Win7 preload	Avail date
4025-3HU 4025-3JU 4025-3KU	Atom D410 Atom D510 Atom D510	1.66		18.5" HD 18.5" HD 18.5" HD	None	0.3M		500GB		Black	None	11b/g/n ²⁸ 11b/g/n 11b/g/n	None	Prem 32 Prem 64 Prem 64	Sep 10 Sep 10 Sep 10

- All-In-One design with 18.5" 16:9 wide screen
 Lenovo® Rescue System provides OneKey recovery without booting into Windows
 Easily adjustable stand (-5° to +25° viewing angle)

Processor	Intel® Atom™ Processor D410 with single-core, integrated DDR2 memory controller (up to 800MHz), Hyper-Threading Technology, and 512KB L2 cache or Intel Atom Processor D510 with dual-core, integrated DDR2 memory controller (up to 800MHz), Hyper-Threading Technology, and 1MB L2 cache	Preloaded operating system ²⁰ - Some: Genuine Windows® 7 Home Premium 32 - Some: Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some
SATA optical SATA disk Widescreen display Camera Controls	2GB or 4GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2, non-parity, single-channel, two 200-pin SO-DIMM sockets DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 320GB or 500GB, SATA 3.0Gb/s, 2.5" wide, 5400 rpm 18.5" (470mm) HD (1366x768) TFT color, anti-glare, CCFL backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus, with mono microphone	listed) Lenovo OneKey Recovery Driver and Application Installation McAfee® VirusScan® Plus (60 days of virus definitions) Cyberlink Power2Go (DVD±RW) Corel® WinDVD® Lenovo IdeaTouch (Touch models)
Graphics	Power button, brightness up, brightness down, and display on/off buttons Some: Intel Graphics Media Accelerator 3150 (GMA 3150), in processor; Some: NVIDIA® ION™ graphics processor, DirectX® 10, PureVideo® HD technology, 256MB memory	Lenovo VeriTouch Windows Live Essential Microsoft® Office 2007 Trial (60-day)
Chipset Multicard reader Ports	Intel NM10 Express Chipset 5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity) Rear: Three USB 2.0, ethernet (RJ-45), keyboard (PS/2) Side: Two USB 2.0	65-watt AC adapter RoHS-compliant
PCIe Mini Card 11b/g/n ²⁸ TV tuner Bluetooth TM Modem Ethernet Audio support	One Mini PCI Express Mini Card slot 11b/g/n wireless ⁴ , PCIe Mini Card, Broadcom® BCM4313 or Atheros® AR9285 None None None 10/100 ethernet on planar, Intel® 82552V High Definition (HD) Audio, Realtek® ALC662 codec / two stereo speakers (3 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm) Power-on password, supervisor password, security lockhole	Limited Warranty ¹² 1-year parts and labor Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts ²³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
Keyboard Mouse Remote control Dimensions ³ Weight ² Chassis Stand	PS/2 full-size keyboard, black USB Optical Wheel Mouse, black None (WxHxD) including stand: 18.12" x 15.13" x 6.63"; 460.3mm x 384.3mm x 168.3mm Non-touchscreen model: 16.0lb (7.26kg); Touchscreen model: 17.1lb (7.76kg) Front bezel: black color; back bezel: black color Easily adjustable stand (-5° to +25° viewing angle)	 Service upgrade options (in eligible locations):³ 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552) 3-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1553) 24x7¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686

See footnotes for important warranty information US models announced September 8, 2010 US models withdrawn effective December, 2012

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Pro- Type-model cessor	GHz	Memory	screen		Camera (mega- pixel)	Graphics	SATA disk	SATA optical	Color	TV tuner	PCIe Mini Card 802.11	Blue- tooth	AC adapter	Win7 preload
														Home Prem 64 Home Prem 64

- All-In-One design with 18.5" 16:9 wide screen
 Some: touchscreen supports one-finger touch
- Lenovo Rescue System provides OneKey recovery without booting into Windows
 Easily adjustable stand (-5° to +20° viewing angle)
 These systems are Microsoft Office 2010 Product Key Ready (O10PKR)

Processor	AMD Accelerated Processor E-350 (dual-core, 1.60GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6310 Graphics, integrated DDR3 memory controller (up to 1066MHz)	Preloaded operating system ²⁰ - Genuine Windows [®] 7 Home Premium 64
Memory	8GB max ⁷ / non-parity, PC3-10600 1333MHz DDR3 *, two 204-pin SO-DIMM sockets; * System automatically clocks down for processors with 1066MHz DDR3 memory controller	Preloaded applications ¹⁴ (only some listed)
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 320GB (5400 rpm) or 500GB (5400 rpm), SATA 3.0Gb/s, 2.5" wide	Lenovo OneKey Recovery Driver and Application Installation
Widescreen display	18.5 " (470mm) HD (1366x768) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio; <i>Some:</i> touchscreen supports one-finger touch	McAfee® VirusScan® Plus (60 days of virus definitions) Cyberlink Power2Go (DVD±RW)
Camera Controls	Camera on top of screen, 0.3-megapixel, fixed focus Power button, brightness up, brightness down, and display on/off buttons	CyberLink YouCam Lenovo IdeaTouch (Touch models) PowerCinema
Graphics	AMD Radeon HD 6310 Graphics in processor, DirectX® 11, use system memory	 Lenovo VeriTouch
Chipset Multicard reader	AMD A45 FCH 5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity)	PhotoStudio Paint Lenovo Ebook and Quick Notes Windows Live Essential
Ports	Rear: Three USB 2.0, ethernet (RJ-45), keyboard (PS/2), Side: Two USB 2.0	Microsoft® Office 2010 preloaded; purchase product key to activate Langua Dynamia Brightness System
PCIe Mini Card 11b/g/n ²⁸	Two PCIe Mini Card slots (one full size and one half size) 11b/g/n wireless ⁴ , PCIe Mini Card, Broadcom®, Realtek®, or Atheros® chip	Lenovo Dynamic Brightness System Lenovo Eye Distance System
TV tuner Bluetooth™ Modem	None None None	Integrated models: 65-watt AC adapter Discrete models: 90-watt AC adapter RoHS-compliant
Ethernet Audio support	Gigabit ethernet on planar, Realtek RTL8111E High Definition (HD) Audio, Realtek ALC662 codec / two stereo speakers (3 watt x 2) / mono microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	Limited Warranty¹²
Security	Power-on password, administrator password, security lockhole	 Customer Replaceable Unit (CRU) parts only (with limited onsite
Keyboard Mouse Remote control	PS/2 full-size keyboard, black USB Optical Wheel Mouse, black None	service for selected parts ²³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business
Dimensions ³ Weight ²	(WxHxD) including stand: 18.12" x 15.13" x 6.63"; 460.3mm x 384.3mm x 168.3mm Non-touchscreen model: 12.8lb (5.8kg); Touchscreen model: 13.4lb (6.1kg)	day response time) Service upgrade options (in eligible locations):9
Chassis Stand	Front bezel: black color; back bezel: black color Easily adjustable stand (-5° to +20° viewing angle)	2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552) 3-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1553) 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686

See footnotes for important warranty information US models announced September 1, 2011 US models withdrawn effective December, 2012

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Lenovo C300



Lenovo C300



Lenovo C300



Lenovo C300



Lenovo C300



Lenovo C300

Type-model	Processor	GHz	Memory	Widescreen	Camera (mega- pixel)		SATA disk	SATA	Mini PCle 802.11 wireless	Color	Blue- tooth	KBD	Mouse	Preload	Avail date
3012-1AU	Atom 230	1.60	1GB	20" WXGA++	1.3	GMA	160GB8							XP Home	Jun 09
3012-1JU	Atom 230	1.60	1GB	20" WXGA++	1.3	GMA	160GB	DVD±RW	11b/g	Black	None	PS/2	USB	XP Home	Sep 09
3012-1OU	Atom 230	1.60	2GB	20" WXGA++	1.3	GMA	320GB	DVD ±RW	11b/g	Black	None	PS/2	USB	Home Basic	Sep09
3012-1EU	Atom 230	1.60	3GB	20" WXGA++	1.3	GMA	320GB	DVD ±RW	11b/g	Black	None	PS/2	USB	Home Basic	Jun 09
3012-1RU	Atom 230	1.60	3GB	20" WXGA++	1.3	GMA	500GB	DVD ±RW	11b/g	Black	None	PS/2	USB	Prem 32	Sep09
3012-2DU	Atom 330	1.60	4GB	20" WXGA++	1.3	HD 4530	640GB	DVD±RW	11b/g	Black	None	PS/2	USB	Prem 32	Jun 09

- All-In-One design with 20" 16:9 widescreen
- Lenovo® Rescue System provides OneKey recovery and OneKey Antivirus without
- booting into Windows
 Advanced hinge design allows changing the screen angle with only one hand, and resting the screen angle at any intermediate position between 12° and 40°

Processor	Intel® Atom™ processor 230 with single-core,	Preloaded operating system ²⁰
	Hyper-Threading technology, Intel 64 Technology, Execute Disable Bit, 533MHz system bus, and 512KB L2 cache or Intel Atom processor 330 with dual-core, Hyper-Threading technology, Intel 64 Technology, Execute Disable Bit, 533MHz system bus, and 1MB L2 cache	- Some: Genuine Windows® XP Home Edition - Some: Genuine Windows Vista® Home Basic 32 - Some: Genuine Windows Vista
Memory	1GB, 3GB, or 4GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2, non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available <i>Non-italics:</i> standard memory in one socket; one socket available	Home Premium 32 Preloaded applications ¹⁴ Lenovo OneKey Recovery Driver and Application Installation
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 160GB , 320GB , 500GB , or 640GB , SATA 3.0Gb/s, 3.5" wide, 7200 rpm	Trend Micro™ PC-cillin™ Internet Security 2008 Windows Live™ Tealbar
Widescreen display Camera Controls	20" (508mm) WXGA++ (1600x900) TFT color, anti-glare, CCFL backlight, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus, with mono microphone Brightness up/down buttons, display on/off button, and power button	Windows Live™ Toolbar (Vista Models) Cyberlink Power2Go (DVD±RW) Corel® WinDVD®
Graphics	Some: Intel Graphics Media Accelerator 950 (GMA 950), integrated graphics in 945GC, uses main memory Some: ATI™ Mobility Radeon™ HD 4530, PCI Express® x16, 512MB memory, DirectX® 10, ATI Avivo™ HD	
Chipset	Intel 945GC Express Chipset, I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, ethernet MAC, USB, LPC bus)	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	
Ports	Rear: Four USB 2.0, ethernet (RJ-45), keyboard (PS/2), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Left: Two USB 2.0	Available at these retailers • lenovo.com
Mini PCI Express	One Mini PCI Express slot 11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312	- 120-watt AC adapter RoHS-compliant
TV tuner Bluetooth™ Modem Ethernet Audio support	None None None 10/100 ethernet on planar, Intel 82562G High Definition (HD) Audio, RealTek® ALC662 codec / two stereo speakers (2 watt) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	Limited Warranty¹²
Security	Power-on password, supervisor password, security lockhole	excluding holidays, next business day response time)
Keyboard Mouse Remote control	PS/2 full-size keyboard USB Optical Wheel Mouse None	Service upgrade options (in eligible locations): 3-year Lenovo Onsite Repair
Dimensions ³ Weight ² Chassis Stand	(WxHxD): 19.05" x 14.12" x 3.28"; 484mm x 359mm x 83mm 13.8 lb (6.26 kg) Black color Fold-away stand (adjustable between 12° and 40°)	9x5 Next Business Day (43R8882) ≈ 24x7¹⁵ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information US models announced June 24 and September 10, 2009 US models withdrawn effective October, 2010

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(CRB1-1) October 2010

Camera									Mini PCle							
Type-model	Processor	GHz	Memory		(mega- pixel)	Discrete graphics	SATA disk	SATA optical		Remote control	802.11 wireless		Blue- tooth	Win7 preload	Avail date	
3012-2VU 3012-2KU		1.60 1.60		20" WXGA++ 20" WXGA++										Prem 32 Prem 32		

- All-In-One design with 20" 16:9 widescreen
 Lenovo® Rescue System provides OneKey recovery without booting into Windows
- Advanced hinge design allows changing the screen angle with only one hand, and resting the screen angle at any intermediate position between 12° and 40°

Processor	Intel [®] Atom™ processor 330 with dual-core, Hyper-Threading Technology, Intel 64 Technology, Execute Disable Bit, 533MHz system bus, and 1MB L2 cache	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 32
Memory	2GB or 3GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-Italics:</i> standard memory in one sockets; one sockets available	Preloaded applications ¹⁴ (only some listed) Lenovo OneKey Recovery Driver and Application Installation
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 320GB or 500GB , SATA 3.0Gb/s, 3.5" wide, 7200 rpm	McAfee® VirusScan® Plus 2009 (60 days of virus defi nitions) Charlish Paragraphy (NVP - PM)
Widescreen display Camera Controls	20" (508mm) WXGA++ (1600x900) TFT color, anti-glare, CCFL backlight, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus, with mono microphone Brightness up/down buttons, display on/off buttons, and power button	Cyberlink Power2Go (DVD±RW) Corel® WinDVD®
Discrete Graphics	ATI™ Mobility Radeon™ HD 4530, PCI Express® x16, 512MB memory, DirectX® 10, ATI Avivo™ HD	
Chipset	Intel 945GC Express Chipset, I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, ethernet MAC, USB, LPC bus)	
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	
Ports	Rear: Four USB 2.0, ethernet (RJ-45), keyboard (PS/2), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Left: Two USB 2.0	
Mini PCI Express 11b/g ²⁸	11b/g wireless⁴, Mini PCle adapter, Broadcom® BCM4312	120-watt AC adapter RoHS-compliant
TV tuner Bluetooth™	None None	Limited Warranty ¹²
Modem Ethernet Audio support	None 10/100 ethernet on planar, Intel 82562G High Definition (HD) Audio, RealTek® ALC662 codec / two stereo speakers (2 watt) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm) Power-on password, supervisor password, security lockhole	 1-year parts and labor Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts²³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business
Keyboard	PS/2 full-size keyboard	day response time) Service upgrade options
Mouse Remote control	USB Optical Wheel Mouse None	(in eligible locations):9 • 3-year Lenovo Onsite Repair
Dimensions ³ Weight ² Chassis Stand	(WxHxD): 19.05" x 14.12" x 3.28"; 484mm x 359mm x 83mm 13.8 lb (6.26 kg) Black color Fold-away stand (adjustable between 12° and 40°)	9x5 Next Business Day (43R8882)

See footnotes for important warranty information

US model announced on November 3 and December 17, 2009; US models withdrawn effective October, 2010

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Lenovo C315



Lenovo C315



Lenovo C315



Lenovo C315

	Wide- Multi- Camera PCIe Mini												
Type-model	Processor	screen GHz Memory display	Touch screen	(mega- pixel)	Discrete graphics	SATA disk	SATA optical	TV tuner	Remote control	Card 802.11	Blue- tooth	Win7 preload	Avail date
-													

4022-1AU Athlon II X2 250u 1.60 2GB 20" HD+ *Multi* 0.3M HD 4530 320GB⁸ DVD±RW None None 11b/g²⁸ None Prem 32 Apr 10

- All-In-One design with 20" 16:9 multi-touch screen
 Lenovo® Rescue System provides OneKey recovery without booting into Windows
- Advanced hinge design allows changing the screen angle with only one hand, and resting the screen angle at any intermediate position between 12° and 40°

Processor	AMD® Athlon™ II X2 Processor 250u with dual-core, 3200MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 technology, int DDR2 memory controller, and 2MB L2 cache (1MB per core)	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 32
Memory	2GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Non-Italics:</i> standard memory in one sockets; one socket available	Preloaded applications ¹⁴ (only some listed) • Lenovo OneKey Recovery
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 320GB , SATA 3.0Gb/s, 3.5" wide, 7200 rpm	Driver and Application Installation McAfee® VirusScan® Plus
Widescreen display Camera Controls	20" (508mm) HD+ (1600x900) TFT color, anti-glare, CCFL backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, MultiTouch Camera on top of screen, 0.3-megapixel, fixed focus, with mono microphone Power button, touch-sensitive buttons for brightness +/-, volume +/-, and display on/off	(60 days of virus definitions) Cyberlink Power2Go (DVD±RW) Lenovo ldeaTouch – PowerCinema – Lenovo VeriTouch
Discrete Graphics	ATI™ Mobility Radeon™ HD 4530, PCI Express® x16, 512MB memory, DirectX® 10, ATI Avivo™ HD	AutoCollage TouchWindows Live Essential
Chipset Multicard reader	AMD 690M Chipset, SB600 south bridge 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)	Microsoft® Office 2007 Trial (60-day)
Ports	Rear: Four USB 2.0, ethernet (RJ-45), keyboard (PS/2), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Side: Two USB 2.0	120-watt AC adapter RoHS-compliant
PCIe Mini Card 11b/g²8 TV tuner Bluetooth™ Modem Ethernet Audio support	Two Mini PCI Express Mini Card slots 11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312 None None None 10/100 ethernet on planar, Broadcom® BCM5787 High Definition (HD) Audio, RealTek® ALC262 codec / two stereo speakers (2 watt) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	Limited Warranty ¹² 1-year parts and labor Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts ²³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) Service upgrade options
Security Keyboard Mouse Remote control	Power-on password, supervisor password, security lockhole PS/2 full-size keyboard, black USB Optical Wheel Mouse, black None	(in eligible locations): • 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552 • 3-year Lenovo In-Home Repair
Dimensions ³ Weight ² Chassis Stand	(WxHxD): 19.05" x 14.12" x 2.56"; 484mm x 359mm x 65mm 16.3 lb (7.4 kg) Front bezel: brown color; back bezel: black color Fold-away stand (adjustable between 12° and 40°)	9x5 Next Business Day (78Y1553 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information US model(s) announced April 28, 2010
US model(s) withdrawn effective April 2013

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	Wide-										-	Cle Mini	i		
Type-model	Processor	GHz N	/lemor	screen y display	Touch screen		Discrete graphics	SATA disk	SATA optical	TV tuner	Remote control		Blue- tooth	Win7 preload	Avail date
4022-1FU Ath 4022-1GU Ath															

- All-In-One design with 20" 16:9 multi-touch screen
 Lenovo® Rescue System provides OneKey recovery without booting into Windows
- Advanced hinge design allows changing the screen angle with only one hand, and resting the screen angle at any intermediate position between 12° and 40°

Processor	AMD® Athlon™ II X2 Processor 250u with dual-core, 3200MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 technology, int DDR2 memory controller, and 2MB L2 cache (1MB per core)	Preloaded operating system ²⁰ - Some: Genuine Windows® 7 Home Premium 32
Memory	2GB or 4GB std / 4 GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; training: standard memory in both sockets; no sockets available;	- Some: Genuine Windows 7 Home Premium 64 Preloaded applications ¹⁴ (only some
SATA DVD±RW SATA disk	Non-Italics: standard memory in one sockets; one socket available DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 320GB or 500GB, SATA 3.0Gb/s, 3.5" wide, 7200 rpm	listed) Lenovo OneKey Recovery Driver and Application Installation
Widescreen display Camera Controls	20" (508mm) HD+ (1600x900) TFT color, anti-glare, CCFL backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, MultiTouch Camera on top of screen, 0.3-megapixel, fixed focus, with mono microphone Power button, touch-sensitive buttons for brightness +/-, volume +/-, and display on/off	McAfee® VirusScan® Plus (60 days of virus defi nitions) Cyberlink Power2Go (DVD±RW) Lenovo IdeaTouch PowerCinema
Discrete Graphics	ATI™ Mobility Radeon™ HD 4530, PCI Express® x16, 512MB memory, DirectX® 10, ATI Avivo™ HD	Lenovo VeriTouchAutoCollage Touch
Chipset Multicard reader Ports	AMD 690M Chipset, SB600 south bridge 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™) Rear: Four USB 2.0, ethernet (RJ-45), keyboard (PS/2), TV antenna connector,	Windows Live Essential Microsoft® Office 2007 Trial (60-day)
	IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Side: Two USB 2.0	120-watt AC adapter RoHS-compliant
PCle Mini Card 11b/g ²⁸ TV tuner	Two Mini PCI Express Mini Card slots 11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312 AverMedia Hybrid TV MiniCard A317, PCIe Mini Card adapter, supports analog (NTSC) and digital (ATSC) signal	Limited Warranty¹²
Bluetooth™ Modem Ethernet Audio support	None None 10/100 ethernet on planar, Broadcom® BCM5787 High Definition (HD) Audio, RealTek® ALC262 codec / two stereo speakers (2 watt) / microphone, microphone input jack (3.5 mm),	 Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts²³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business
Security	headphone jack (3.5 mm) Power-on password, supervisor password, security lockhole	day response time) Service upgrade options
Keyboard Mouse Remote control	PS/2 full-size keyboard, black USB Optical Wheel Mouse, black Philips®Win7 MCE remote control (40-button)	 (in eligible locations):⁹ 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552) 3-year Lenovo In-Home Repair
Dimensions ³ Weight ² Chassis Stand	(WxHxD): 19.05" x 14.12" x 2.56"; 484mm x 359mm x 65mm 16.3 lb (7.4 kg) Front bezel: brown color; back bezel: black color Fold-away stand (adjustable between 12° and 40°)	9x5 Next Business Day (78Y1553) 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information US model(s) announced April 28, 2010
US model(s) withdrawn effective April 2013

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Lenovo C225/C325



Lenovo C225/C325



Lenovo C225/C325



Lenovo C225/C325



Lenovo C225/C325

	Pro-			Wide- screen	CCFL or	Touch	Camera (mega-		SATA	SATA		TV	PCIe Mini Card	Blue-	Kevboard/	Win7
Type-model		GHz	Memory					Graphics			Color	tuner	802.11	tooth	Mouse	preload
															USB/Black USB/White	

- All-In-One design with 18.5" 16:9 wide screen
- SRS® Premium Sound audio enhancement for immersive surround sound
- Audio-in port to play music from your MP3 player without switching on the computer
 Lenovo Rescue System provides OneKey recovery without booting into Windows
 Stable full-metal stand with 5° forward / 25° backward viewing angle adjustment
 These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

		ı
Processor	AMD Accelerated Processor E-450 (dual-core, 1.65GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6320 Graphics, integrated DDR3 memory controller (up to 1333MHz)	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64
Memory	8GB max ⁷ / non-parity, PC3-10600 1333MHz DDR3 , two 204-pin SO-DIMM sockets	Preloaded applications ¹⁴ (only some
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 500GB (7200 rpm) or 1TB (7200 rpm), SATA 3.0Gb/s, 3.5" wide	listed) • Lenovo OneKey Recovery
Widescreen display Multi-touch Camera Controls	18.5" (470mm) HD (1366x768) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio None Camera on top of screen, 0.3-megapixel, fixed focus Power on/off, menu, left, right, and display on/off buttons	Driver and Application Installation McAfee® VirusScan® Plus (60 days of virus definitions) Cyberlink Power2Go (DVD±RW) CyberLink YouCam Lenovo Fun Zone
Graphics	AMD Radeon HD 6320 Graphics in processor, DirectX® 11, use system memory	Power Setting
Chipset Multicard reader Ports	AMD A45 FCH 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity, Secure Digital Extended Capacity) Rear: Four USB 2.0, ethernet (RJ-45), optional TV tuner connector on models equipped	SRS Premium Sound Windows Live Essentials Microsoft® Office 2010 preloaded; purchase product key to activate
1 0113	with TV tuner Side: Two USB 2.0	Lenovo Dynamic Brightness System Lenovo Eye Distance System
PCIe Mini Card 11b/g/n ²⁸ TV tuner Bluetooth™	Two PCIe Mini Card slots (one full size and one half size) 11b/g/n wireless ⁴ , PCIe half Mini Card, Broadcom [®] , Realtek [®] , or Atheros [®] chip None None	65-watt AC adapter ENERGY STAR® qualified RoHS-compliant
Modem Ethernet Audio support	None Gigabit ethernet on planar, Realtek RTL8111E High Definition (HD) Audio, Realtek ALC272 codec / SRS® Premium Sound™ certified / two stereo speakers (3 watt x 2) / internal mono microphone, audio-in/microphone jack (3.5 mm), headphone jack (3.5 mm)	Limited Warranty ¹²
Security Keyboard	Power-on password, administrator password, security lockhole Some: USB full-size keyboard, black	8 am - 5 pm, Mon - Fri coverage
Mouse	Some: USB full-size keyboard, black Some: USB Optical Wheel Mouse, black Some: USB Optical Wheel Mouse, white	excluding holidays, next business day response time) Service upgrade options (in cligible postions):9
Remote control	None	(in eligible locations):9 • 2-year Lenovo In-Home Repair
Dimensions ³ Weight ² Chassis Stand	(WxHxD) including stand: 18.09" x 15.59" x 9.38"; 459.5mm x 396.1mm x 238.2mm From 12.65lb (5.74kg), vary by configuration Front bezel: black or white color; back bezel: black or white color Easily adjustable stand (5° forward / 25° backward viewing angle adjustment)	9x5 Next Business Day (78Y1552) • 3-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1553)

See footnotes for important warranty information US model(s) announced December 21, 2011 US model(s) withdrawn effective April 2013

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Wide- Multi- Camera PCle Mini														
Pro- Type-model cessor	GHz	Memory	screen display		(mega- pixel)	Graphics	SATA disk	SATA optical	Color	TV tuner	Card 802.11	Remote control HDMI-out	Keyboard/ Mouse	Win7 preload
3095-8AU E-450 3095-3BU E-450 3095-4BU E-350	1.65	4GBx1	20.0" HD+	None	0.3M	HD 6320	500GB	$DVD \pm RW$	Black	None	11b/g/n	None HDMI-out		Prem 64

- All-In-One design with 20.0" 16:9 wide screen with optional multi-touch
 SRS® Premium Sound audio enhancement for immersive surround sound
 Audio-in port to play music from your MP3 player without switching on the computer
 Lenovo Rescue System provides OneKey recovery without booting into Windows
 Stable full-metal stand with 5° forward / 25° backward viewing angle adjustment
 These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

		T
Processor	AMD Accelerated Processor E-350 (dual-core, 1.60GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6310 Graphics, integrated DDR3 memory controller (up to 1066MHz)	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64
	AMD Accelerated Processor E-450 (dual-core, 1.65GHz, 1MB L2 cache), integrated AMD Radeon HD 6320 Graphics, integrated DDR3 memory controller (up to 1333MHz)	Preloaded applications ¹⁴ (only some listed) Lenovo OneKey Recovery
Memory	8GB max ⁷ / non-parity, PC3-10600 1333MHz DDR3 *, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller	Driver and Application Installation McAfee® VirusScan® Plus
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 500GB (7200 rpm), SATA 3.0Gb/s, 3.5" wide	(60 days of virus definitions) • Cyberlink Power2Go (DVD±RW)
Widescreen display Multi-touch Camera Controls	20.0" (508mm) HD+ (1600x900) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio None Camera on top of screen, 0.3-megapixel, fixed focus Power on/off, menu, left, right, and display on/off buttons	CyberLink YouCam Lenovo Fun Zone Power Setting SRS Premium Sound Windows Live Essentials Microsoft® Office 2010 preloaded;
Graphics	AMD Radeon HD 6320 Graphics in processor, DirectX® 11, use system memory	purchase product key to activate
Chipset Multicard reader	AMD A45 FCH 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity, Secure Digital Extended Capacity)	Lenovo Dynamic Brightness System Lenovo Eye Distance System
Ports	Rear: Four USB 2.0, ethernet (RJ-45), optional TV tuner connector on models equipped with TV tuner, optional HDMI-out Side: Two USB 2.0	CC well AC adentes
PCIe Mini Card 11b/g/n ²⁸ TV tuner	Two PCIe Mini Card slots (one full size and one half size) 11b/g/n wireless ⁴ , PCIe half Mini Card, Broadcom®, Realtek®, or Atheros® chip None	65-watt AC adapter ENERGY STAR® qualified RoHS-compliant
Bluetooth™	None	Limited Warranty ¹²
Modem	None	□ 1-year parts and labor
Ethernet Audio support	Gigabit ethernet on planar, Realtek RTL8111E High Definition (HD) Audio, Realtek ALC272 codec / SRS® Premium Sound™ certified / two stereo speakers (3 watt x 2) / internal mono microphone, audio-in/microphone jack (3.5 mm), headphone jack (3.5 mm)	Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts ²³ , 8 am - 5 pm, Mon - Fri coverage
Security	Power-on password, administrator password, security lockhole	excluding holidays, next business
Keyboard Mouse Remote control	USB full-size keyboard, black USB Optical Wheel Mouse, black None	day response time) Service upgrade options (in eligible locations):9
Dimensions ³ Weight ²	(WxHxD) including stand: 19.65" x 16.82" x 9.38"; 499.0mm x 427.2mm x 238.2mm Non-touch models: from 13.9lb (6.3kg), vary by configuration Touch models: from 15.7lb (7.1kg), vary by configuration	2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552 3-year Lenovo In-Home Repair
Chassis Stand	Front bezel: black or white color; back bezel: black or white color Easily adjustable stand (5° forward / 25° backward viewing angle adjustment)	9x5 Next Business Day (78Y1553 24x7¹6 toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information US model(s) March 21 or August 29, 2012 US model(s) withdrawn effective April 2013

Type-model	Pro- cessor	GHz	Memory	screen	CCFL or LED	Multi- Touch screen	Camera (mega- pixel)		SATA disk	SATA optical	Color 1	TV tuner	PCle Mini Card 802.11		Keyboard/ Mouse	Win7 preload
3095-2AU	E-450	1.65	4+2GB	20.0" HD+	LED		0.3M	HD 6320	1TB ⁸	DVD±RW	White		11b/g/n ²⁸		USB/White	Prem 64
3095-3AU	E-450	1.65	4GBx2	20.0" HD+	LED		0.3M	HD 6320	1TB	DVD±RW	Black		11b/g/n		USB/Black	Prem 64
3095-4AU	E-450	1.65	4+2GB	20.0" HD+	LED	Multi	0.3M	HD 6320	1TB	DVD ±RW	Black	TV	11b/g/n	Remote/Black	USB/Black	Prem 64
3095-5AU	E-450	1.65	4+2GB	20.0" HD+	LED		0.3M	HD 6320	1TB	DVD±RW	White	TV	11b/g/n	Remote/White	USB/White	Prem 64
3095-6AU	E-450	1.65	4GBx2	20.0" HD+	LED		0.3M	HD 6320	1TB	DVD ±RW	Black	TV	11b/g/n	Remote/Black	USB/Black	Prem 64
3095-8BU	E-350	1.60	4GBx2	20.0" HD+	LED		0.3M	HD 6310	1TB	DVD±RW	White		11b/g/n		USB/White	Prem 64
3095-6BU	E-450	1.65	4GBx2	20.0" HD+	LED		0.3M	HD 6320	1TB	DVD ±RW	White	TV	11b/g/n	Remote/White	USB/White	Prem 64
3095-2CU	E-450	1.65	4GBx2	20.0" HD+	LED		0.3M	HD 6320	1TB	DVD±RW	Black	TV	11b/g/n	Remote/Black	USB/Black	Prem 64
3095-7BU	E-450	1.65	4GBx2	20.0" HD+	LED		0.3M	HD 6320	1TB	DVD±RW	Black		11b/g/n		USB/Black	Prem 64

- All-In-One design with 20.0" 16:9 wide screen with optional multi-touch
- SRS® Premium Sound audio enhancement for immersive surround sound
- Audio-in port to play music from your MP3 player without switching on the computer
 Lenovo Rescue System provides OneKey recovery without booting into Windows
- Stable full-metal stand with 5° forward / 25° backward viewing angle adjustment
 These systems are Microsoft[®] Office 2010 Product Key Ready (O10PKR)

Processor	AMD Accelerated Processor E-350 (dual-core, 1.60GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6310 Graphics, integrated DDR3 memory controller (up to 1066MHz) AMD Accelerated Processor E-450 (dual-core, 1.65GHz, 1MB L2 cache), integrated AMD Radeon HD 6320 Graphics, integrated DDR3 memory controller (up to 1333MHz)	Preloaded operating system ²⁰ - Genuine Windows [®] 7 Home Premium 64 Preloaded applications ¹⁴ (only some listed) - Lenovo OneKey Recovery				
Memory	8GB max ⁷ / non-parity, PC3-10600 1333MHz DDR3* , two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller	Driver and Application Installation McAfee® VirusScan® Plus				
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 1TB (7200 rpm), SATA 3.0Gb/s, 3.5" wide	(60 days of virus definitions) • Cyberlink Power2Go (DVD±RW)				
Widescreen display Multi-touch Camera Controls	20.0" (508mm) HD+ (1600x900) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio Some: multi-touch, 2-point support Camera on top of screen, 0.3-megapixel, fixed focus Power on/off, menu, left, right, and display on/off buttons	CyberLink YouCam Lenovo Fun Zone Power Setting SRS Premium Sound Lenovo IdeaTouch (Touch models) PowerCinema				
Graphics	AMD Radeon HD 6320 or HD 6310 Graphics in processor, DirectX® 11, use system memory	Lenovo VeriTouchPhotoStudio Paint				
Chipset Multicard reader Ports	AMD A45 FCH 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity, Secure Digital Extended Capacity) Rear: Four USB 2.0, ethernet (RJ-45), optional TV tuner connector on models equipped with TV tuner Side: Two USB 2.0	Lenovo Ebook and Quick Notes Windows Live Essentials Microsoft® Office 2010 preloaded; purchase product key to activate Lenovo Dynamic Brightness Syste Lenovo Eye Distance System				
PCIe Mini Card 11b/g/n ²⁸ TV tuner Bluetooth™	Two PCIe Mini Card slots (one full size and one half size) 11b/g/n wireless ⁴ , PCIe half Mini Card, Broadcom®, Realtek®, or Atheros® chip Some: ATSC tuner, supports analog and digital signal, PCIe Mini Card None	65-watt AC adapter ENERGY STAR® qualified RoHS-compliant				
Modem Ethernet Audio support	None Gigabit ethernet on planar, Realtek RTL8111E High Definition (HD) Audio, Realtek ALC272 codec / SRS® Premium Sound™ certified / two stereo speakers (3 watt x 2) / internal mono microphone, audio-in/microphone jack (3.5 mm), headphone jack (3.5 mm) Power-on password, administrator password, security lockhole	Limited Warranty ¹²				
Keyboard	Some: USB full-size keyboard, black	8 am - 5 pm, Mon - Fri coverage excluding holidays, next business				
Mouse	Some: USB full-size keyboard, white Some: USB Optical Wheel Mouse, black Some: USB Optical Wheel Mouse, white	day response time) Service upgrade options (in eligible locations):9				
Remote control	Some: MCE remote control, via IR, black Some: MCE remote control, via IR, white	2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552)				
Dimensions ³ Weight ²	(WxHxD) including stand: 19.65" x 16.82" x 9.38"; 499.0mm x 427.2mm x 238.2mm Non-touch models: from 13.9lb (6.3kg), vary by configuration Touch models: from 15.7lb (7.1kg), vary by configuration	• 3-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1553) 24x7 ¹⁶ toll-free support for warranty				
Chassis Stand	Front bezel: black or white color; back bezel: black or white color Easily adjustable stand (5° forward / 25° backward viewing angle adjustment)	issues during the warranty period ¹² via 877-453-6686				

See footnotes for important warranty information

US model(s) announced December 21, 2011 or June 6 or September 19, 2012

US model(s) withdrawn effective April 2013

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(AGNA1-1) April 2013

											
Slot x Type-mod bay	Intel Processor GHz			Diskette Media drive reade		EIDE optical	Integrat graphic				Limited Avail varranty¹ date
8253-25U 4x4 Pei 8253-26U 4x4 Pei 8253-27U 4x4 Pei 8253-28U 4x4 Pei 8253-3FU 4x4 Pei 8253-3FU 4x4 Pei 8253-3HU 4x4 Pei 8253-3HU 4x4 Pei 8253-4HU 4x4 Pei 8253-4HU 4x4 Pei 8253-4HU 4x4 Pei 8253-55U 4x4 Pei 8253-50U 4x4 Pei 8253-D6U 4x4 Pei 8253-D6U 4x4 Pei 8253-D6U 4x4 Pei 8253-B1U 4x4 Pei 8253-B1U 4x4 Pei 8253-B1U 4x4 Pei 8253-B1U 4x4 Pei 8253-B1U 4x4 Pei	ntium 4 516 2.9; ntium 4 516 2.9; ntium 4 516 2.9; ntium 4 511 2.8; ntium 4 521 2.8; ntium 4 521 2.8; ntium 4 521 2.8; ntium 4 521 3.0; ntium 4 524 3.0; ntium 4 524 3.0; ntium 4 541 3.2; ntium 4 541 3.2; ntium 4 630 3.0; ntium 4 630 3.0; ntium 4 630 3.0; ntium 4 640 3.2;	3 1MB 533 3 1MB 533 3 1MB 533 3 1MB 800 0 1MB 800 0 1MB 800 0 1MB 533 6 1MB 533 6 1MB 533 6 1MB 533 0 1MB 800 0 1MB 800 0 2MB 800 0 2MB 800	MHz 256MB MHz 512MB MHz 512MB MHz 256MB MHz 512MB MHz 512MB MHz 512MB MHz 256MB MHz 512MB MHz 512MB MHz 512MB MHz 512MB MHz 512MB MHz 512MB MHz 512MB MHz 512MB MHz 512MB	Dskte Dskte 9-in-1 Dskte Dskte Dskte	160GB 80GB 80GB 80GB 80GB 160GB 80GB 160GB 80GB 160GB 80GB 80GB	CD COmbo CD COmbo Combo Combo Combo DVD±R Combo Combo DVD±R Combo	SiS Mir	age 661FX	Yes Spkrs Yes Spkrs Yes Spkrs Yes Spkrs	XP Pro Pro/SB XP Pro Home XP Pro/SB XP Pro Home XP Pro Home XP Pro Home XP Pro XP Pro XP Pro XP Pro XP Pro XP Pro	1-yr Feb 06 1-yr Feb 06 E1-yr Feb 06 1-yr Feb 06 1-yr Apr 06 1-yr May 06 E1-yr May 06 1-yr July 06 1-yr Feb 06
Positioning Processor	The smart choice Intel® Pentium®			524 541 630	or 640 w	ith	Tower				optical
L2 cache Implementation Memory - std/max Memory	single-core, EM EIST (6xx only), and 533 or 800I 1MB or 2MB sto Processor and I *256, 512MB or Two 184-pin DIN socket); others:	64T, Hyper-, Execute Di MHz bus d and max / _2 cache in 1GB std / 2 MM sockets one socket u	Threading tecisable Bit (521) ECC / full sperior FC-LGA4 in LGB max / E2U/5CU: twused / PC3200	chnology (521) 1/524/6xx only eed .GA775 socke vo sockets use 0 400MHz DDF	t d (512Ml R1 / non-	only), B each	• 7.1" W > • 180mm • 20.01 to • Handle	(17.5" D X W X 445mr 20.3 lb (9. on top front crew for re	m D X 392mı 1 to 9.2 kg)	m H	diskette
Graphics	SiS® Mirage Gr graphics in north one 15-pin analo	raphic Engi h bridge / us	ne (SiS Miraç ses main men	ge) / integrated nory (32 to 64)	d MB) / 200	OMHz /	Bay ② 5.2 Bay ③ 3.5	25", 1.6" hig 25", 1.6" hig 5", 1" high	h, access, , access,	or me	opt diskette dia reader
SATA disk SATA controller SATA cables EIDE CD EIDE Combo EIDE DVD±RW EIDE DVD±RW EIDE controller EIDE cables Diskette drive Media reader Chipset	80 or 160GB / Serial ATA 1.0 / One SATA cable Some: 48X-20; Some: DVD an Model F1U: DV Enhanced IDE / One 2-drop EID Some: 3.5" 1.4 Some: 9-in-1 m	150 MB/sec e (one 1-dro CD-ROM K/48X/16X M d CD burne /D and CD I / ATA-100 / ii E cable to c 4MB diskett hedia reader pset / SiS66	c SATA150 / ir p to disk) / 2 s Max ¹¹ CD-RW, r / double-laye burner / Supe ntegrated in I/ optical / two El the drive r / occupies di S1FX graphics	SATA connector /DVD-ROM Coper / Multi-Burner Multi-Burner O Controller I IDE connector Skette drive be memory cont	ors on pla ombo er Plus (7 DL Drive Hub (ICH s on plar ay / interr roller in r	73P3370 e (part 47 6) nar nal USB	Slot 1: ha Slot 2: ha Slot 3: ha Slot 4: ha) 1N5581)	If-length, fulf-length, fulf-le	, no access ill-height, 32- ill-height, 32- il	bit AGP bit PCI: bit PCI: bit PCI: bit PCI: coth cov d object ar for of rear for	8X 2.3 2.3 2.3 er and :: ot padlock)
Front ports Rear ports Rear audio ports Audio	with AGP 8X su PCI 2.3 bus, US serial, parallel, o Two USB 2.0, o Four USB 2.0, o mouse (PS/2), e Microphone-in (Integrated digital	SB, Low Pindiskette, keynicrophone (one 9-pin seethernet (RJmono), lineal audio / AC	Count Interfactboard, and many mono, 3.5mm rial, parallel (21-45), monitor rin (stereo), lir 2 '97 interface	ce / ITE Tech® ouse n), headphone 25-pin), keybo (DB-15) ne-out (stereo) / Realtek ALC	8705GX (stereo, ard (PS/2 [all 3.5m 655 cod	Super I/ 3.5mm) 2), nm] ec	O for	Power-cAdminisBoot seBoot wiUnattenHard disSerial p	on password strator passw quence cont thout keyboa ided start mo sk I/O contro ort I/O contro port I/O con	rol rd, mou ode I ol	se, diskette
External speakers Beeper Ethernet Modem	One internal be 10/100 ethernet PCI 2.3 / Wake Some: 56K ¹⁰ V.	eper on systemb on LAN® / P	ooard / Realte XE 2.0 and R	k 8100C cont PL remote bo	roller (M <i>F</i> ot	AC/PHY)	/	□ 1-year □ Internal	LIMITED WA parts and la ational Warra mer Replaces	bor nty Serv	vice ⁹
Keyboard Mouse Power supply	104-key Preferro Optical Wheel M 250 watts / univ	Nouse (USB	only), 400 dp		onnector), black		8 am - exclud	re available v 5 pm, Mon - ing holidays	Fri cove	erage
Preload with Wir Microsoft® Window Preload with Wir Microsoft Window Preloaded⁵ (all C ■ Lenox Cares™ — Rescue and F — System Upda — Password Ma ■ Norton Internet AntiSpyware Ec ■ PC-Doctor™ (di ■ Google Desktop ■ Picasa from Go ■ Diskeeper® Lite	ws® XP Home Ed ndows XP Professions Ses; only some I tools Recovery™ te nager Security™ 2005 dition agnostics) oogle	dition ssional ¹² al iisted)	Center™ wit Corel Photo AOL and Ea Some: Micro wth Office 2 Roxio Digita InterVideo V InterVideo V CD Some: Micro License - CD Lotus® Sma Lotus Notes	253-F1U: Conth WordPerfector Album Starte arthLink (XP Hosoft Office Smith Mondon Service FallMedia LE (Cill WinDVD Creat winDVD Creat osoft Office Sill not included in tSuite Miller Stand-alone apported on XI	t [®] Office r™ 6 ome more all Busine 2 cack 2 (S D-RW, co oo, DVD, or (DVD± 3E (SP2) (all OSes anium an- e Client (I	dels only ess Edition P2) ombo, D\ DVD±RV :RW) CD	y) on 2003 /D±RW)	Onsite (in elig	usiness day service upg jible location ar LOR 9x5, N ovo Care 9x5, N ovo Care part var LOR 9x5, N ovo Care part var LOR 9x5, I ovo Care part or LOR 9x5, I ovo Care part or Care service enovo.com/v toll-free sup during the v M-SERV (426	rade op s):7 lext Bust tr number lext Bust number lext Bust number lext Bust number less at varranty port for varranty	siness Day er 41K0541) siness Day 41K0542) e services: siness Day 41K0543) siness Day 41K0544) warranty

SI Type-mod b	ot x ay	Intel Processor	GHz	L2 cache	Dual core	I Memory			SATA disk		Integrated graphics					Limited Avail warranty¹ date
8255-FAU 3	x4 Pe	ntium® D 820	2.80	2x1MB	Dual	512MB	Dskte		80GB ²	CD	GMA 950	945GZ			XP Pro	1-yr July 06
8255-FBU 3	x4 Pe	ntium D 820	2.80	2x1MB	Dual	512MB			160GB	Combo	GMA 950	945GZ			XP Pro	1-ýr Julý 06
8255-FCU3	x4 Pe	ntium D 820	2.80	2x1MB	Dual	1GB		9-in-1	160GB	DVD±RW	GMA 950) 945GZ	1394	Mod S	okrs Home	1-yr July 06

Positioning Processor	The smart choice for small business Intel® Pentium D Processor 820 with dual-core, EM64T, Execute Disable Bit, and 800MHz system bus with two x 1MB (dual-core) L2 cache Processor and L2 cache in FC-LGA4 or LGA6 in LGA775 socket	• 7.1" W >	ss black color with silver accents (Optical X 17.5" D X 15.4" H W X 445mm D X 392mm H
	*S12MB or 1GB std / 2GB max Two 240-pin DIMM sockets / FCU: two sockets used (512MB in each socket); others: one socket used / one socket available PC2-4200 533MHz DDR2 / non-parity / CAS latency 4 (CL4) / unbuffered / dual-channel capable	20.1 to 2HandleThumbsToolless	20.3 lb (9.1 to 9.2 kg) on top front screw for removal of side covers
Graphics	Intel Graphics Media Accelerator 950 (GMA 950) / integrated graphics in 945GZ GMCH / uses main memory / 400MHz / one 15-pin analog D-sub connector / 945GZ does not support dual independent display	Bay @ 5.2 Bay @ 3.5	25", 1.6" high, access, std or opt diskette or media reader 5", 1" high, no access, std disk
SATA disk SATA controller SATA cables EIDE CD EIDE Combo	80 or 160GB / SATA300 7200 rpm Serial ATA / 300MB/sec SATA300 / integrated in south bridge One SATA cable (one 1-drop to disk) / two SATA connectors on planar Some: 48X-20X ⁴ CD-ROM Some: 48X/48X/48X/16X Max ¹¹ CD-RW/DVD-ROM Combo	Slot 2: ha Slot 3: ha	If-length, full-height, 32-bit PCI 2.3 - used * If-length, full-height, 32-bit PCI 2.3 - used* If-length, full-height, 32-bit PCI 2.3 and FireWire adapter in some models
EIDE DVD±RW EIDE controller EIDE cables Diskette drive Media reader	Some: DVD and CD burner / Super Multi-Burner DL Drive (part 41N55 Enhanced IDE / ATA-100 / integrated in I/O Controller Hub (ICH7) One 2-drop EIDE cable to optical / one EIDE connectors on planar Some: 3.5" 1.44MB diskette drive Some: 9-in-1 media reader / occupies diskette drive bay / internal USB	,	SECURITY One lock to secure both cover and entire system to fixed object: Padlock loop (in rear for opt padlock)
Chipset	Intel 945GZ Express Chipset / 82945GZ Graphics Memory Controller Hub (GMCH) / 82801GB I/O Controller Hub (ICH7) for SATA300, ATA-100 EIDE, PCI 2.3 bus, USB, Low Pin Count interface / ITE Tech® IT8712F/JX Super I/O for serial, parallel, diskette, keyboard, auto-thermal controls	mouse,	No security slot (in rear for optional Kensington Microsaver cable) No keylock Power-on password Administrator password Boot sequence control Boot without keyboard, mouse, diskette
Front ports Rear ports Rear audio ports Audio Beeper External speakers IEEE 1394 Ethernet	Two USB (Version 2.0), microphone (mono, 3.5mm), headphone (stered Four USB (Version 2.0), one 9-pin serial, parallel (25-pin), keyboard (PS mouse (PS/2), ethernet (RJ-45), monitor (DB-15) Microphone-in (mono), line-in (stereo), line-out (stereo) [all 3.5mm] Integrated digital audio / AC '97 interface / Realtek ALC655 codec One internal beeper Some: desktop speakers, 2-piece, 6 watts (3 watts each), black, Lenov Some: FireWire PCI adapter / 1394A, 400Mbps, dual 6-pin ports on read-pin port on front of system, no external cables included 10/100 ethernet on systemboard / Realtek 8100C controller (MAC/PHY)	o logo ar,	Unattended start mode Hard disk I/O control Serial port I/O control Parallel port I/O control
Modem	PCI 2.3 / Wake on LAN® / PXE 2.0 and RPL remote boot Some: 56K¹0 V.90 data/fax soft modem / PCI adapter	-	RoHS-compliant DM 3.0 compliant
Keyboard Mouse	104-key Preferred Pro Full-size keyboard (6-pin PS/2 connector), black Optical Wheel Mouse (USB only), 400 dpi, black		DMI 2.0-compliant LIMITED WARRANTY¹
Microsoft® Windo	250 watts / universal / manual switch ndows XP Home¹² ws® XP Home Edition covery (in hidden covery (in hidden covery (in hidden) • Diskeeper™ Lite • Corel® Small Business Center™ with WordPerfect® Office 12		

Disk-to-Disk Recovery (in hidden protected area)

Preload with Windows XP Professional¹²

Microsoft Windows XP Professional Disk-to-Disk Recovery (in hidden protected area)

- Preloaded⁵ (all)
 Lenovo CareSM tools
- Rescue and Recovery™
- System Update
- Password Manager
- Norton Internet Security 2005 AntiSpyware Edition
- PC-Doctor[™] (diagnostics)
- Adobe® Reader
- · Google Toolbar
- Google Desktop
- Picasa from Google

- ' with WordPerfect® Office 12
- Corel Photo Album Starter™ 6
- AOL and EarthLink (XP Home models only)
 Roxio DigitalMedia LE (combo, DVD±RW models)
- InterVideo WinDVD (combo, DVD±RW models)
 InterVideo WinDVD Creator (DVD±RW models)

License - CD not included (all)

Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client (Notes client not supported on XP Home)

Accessories

Accessories on O-J sheet Other accessories at http://lenovo.com/accessories

- 8 am 5 pm, Mon Fri coverage excluding holidays, next business day response time

- Onsite service upgrade options
 (in eligible locations):⁷
 2-year LOR 9x5, Next Business Day
 (Lenovo CareSM part number 41K0541)
 3-year LOR 9x5, Next Business Day
 (Lenovo Care part number 41K0542)
- (Lenovo Care part number 41K0542)
- Post-warranty maintenance services:6 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543)
- 2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544)
- Lenovo Care services at
- http://lenovo.com/warranty
- 24x7¹⁴ toll-free support for warranty issues during the warranty period1 800-IBM-SERV (426-7378)

Slot x Type-mod bay	AMD Processor	L2 GHz cache	AMD64			Media reader	SATA disk	EIDE optical	Integrate graphic		Ext speake	Pre- rs load		d Avail ty¹ date
8258-J4U 4x4 Se 8258-J5U 4x4 Se 8258-J9U 4x4 Se 8258-B4U 4x4 Se 8258-B4U 4x4 Atl 8258-H1U 4x4 Atl 8258-H8U 4x4 Atl 8258-H9U 4x4 Atl 8258-H9U 4x4 Atl 8258-HBU 4x4 Atl 8258-HBU 4x4 Atl 8258-HBU 4x4 Atl	empron 3000+ empron 3000+ empron 3000+ empron 3400+ hlon 64 3200+ hlon 64 3200+ hlon 64 3200+ hlon 64 3200+ hlon 64 3200+	1.80 128KB 1.80 128KB 1.80 128KB 2.00 256KB 2.20 512KB 2.20 512KB 2.20 512KB 2.20 512KB 2.20 512KB 2.20 512KB	AMD64 AMD64 AMD64 AMD64 AMD64 AMD64 AMD64 AMD64 AMD64 AMD64	512MB 512MB 512MB 1GB 256MB 256MB 512MB 512MB 512MB 1GB	Dskte Dskte Dskte	9-in-1 9-in-1 9-in-1	80GB 80GB 80GB 160GB 80GB 80GB 160GB 160GB 250GB	CD Combo	VIA SC VIA SC VIA SC VIA SC VIA SC	Yes Yes Yes Yes Yes	Spkrs Spkrs Spkrs Spkrs	XP Home XP Pro XP Home XP Home XP Pro XP Pro XP Pro Pro/SBE XP Pro XP Pro XP Home	1-yr e 1-yr e 1-yr 1-yr 1-yr 1-yr 1-yr 1-yr	Feb 06 Feb 06 Apr 06 July 06 Feb 06 Feb 06 Feb 06 Feb 06 Feb 06 Feb 06
Positioning Processor L2 cache Socket Memory - std/max ⁶ Memory	The smart choic AMD® Sempro and 64-bit), inte HyperTransport AMD Athlon™ integrated DDR to north bridge Sempron: 128K Socket 754 (75-256, 512MB or Two 184-pin DII socket); others: CAS latency 3 (n™ 3000+ or egrated DDR fof4 3200+ Pr f1 memory co (B or 256KB 4-pin) 1GB std / 20 MM sockets one socket u	3400+ F 1 memor ridge or ocessor ontroller, ; Athlon GB max / HBU/B ² sed / PC	Processory control with AM single-co 64: 512k 4U: two s 3200 400	Iller, sin ID64 (3 ore, and (B ockets OMHz [gle-core 2-bit an d Hyper used (5)	d 64 bit), Transpor	• 7.1" \ • 180m • 20.0" • Hanc • Thun • Toolle Bay ① Bay ②	W X 17.5 nm W X 1 to 20.3 fle on to nbscrew ess entr	5" D X 2 445mm 3 lb (9.1 p front for rem y 1.6" hig 1.6" hig	15.4" H ID X 39 to 9.2 noval of gh, acce gh, acce	kg) side cover ss, std ss, ope	dis dis optical	
Graphics SATA disk SATA controller	Integrated grap UniChrome™ F one 15-pin anal 80GB, 160GB of	hics in VIA K Pro IGP / use log D-sub co or 250GB / S	8M800 ces main renector /	Bay ④ Slot 1: Slot 2:	half-ler half-ler	1" high ngth, ful ngth, ful	, no ao I-height I-height		nedia r disk P 8X I 2.3	diskette eader				
Front ports Rear ports Rear audio ports Audio	Serial ATA / 150MB/sec SATA150 / integrated in south bridge One SATA cable (one 1-drop to disk) / 2 SATA connectors on planar CD Combo DVD±RW											gaz-bit PC ECURITY ure both control fixed objection rear for the formal for the formal fixed objection of the formal fixed objection obj	over an ect: opt pactor for opticable)	dlock) onal
Modem Keyboard Mouse Power supply		red Pro Full-s Mouse (USB	size keyb only), 40	oard (6- _l	oin PS/			•		1-year	parts an	O WARRA nd labor larranty Se		
Microsoft® Windo - Disk-to-Disk Reprotected area) Preload with Wir Microsoft® Windo - Disk-to-Disk Reprotected area) Preloaded⁵ (all O - Lenovo Care⁵м - Rescue and F - System Upda - Password Ma - Norton Internet AntiSpyware Ec	Google Toolbar										ner Repire availa 5 pm, M. ng holid siness service ible loca r LOR 9 vo Care r LOR 9 vo Care arranty tr LOR 9 vo Care ar LOR 9 vo Care cor LOR 9 vo Care tr LOR	laceable U ble with on on - Fri co	nit (CR site serverage nse tim options usines suber 41K usines er 41KC susines er 41KC ty or warraty perioty	s Day (0541) s Day (542) vices: 6 ss Day (543) ss Day (544)

optical

2

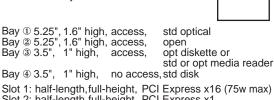
(3)

Slot x Type-mod bay	Processor	GHz	L2 cache	Core	Memory	Media reader	SATA disk	EIDE optical	Graphics	Mo- dem	External speakers		Preload	Avail date
7393-21U 4x4	Pentium D 820	2.80	2x1MB	Dual	512MB		80GB ²	CD	GMA			Pref	XP Pro	Nov 06
7393-22U 4x4	Pentium D 820	2.80	2x1MB	Dual	512MB	9-in-1	160GB	Combo	GMA			EP	XP Pro	Nov 06
7393-24U 4x4	Pentium D 820	2.80	2x1MB	Dual	512MB	9-in-1	160GB	Combo	GMA	Yes	Spkrs	Pref	XP Home	Nov 06
7393-26U 4x4	Pentium D 820	2.80	2x1MB	Dual	1GB		250GB	DVD ±RW	GMA		•	Pref	XP Pro	Nov 06
7393-27U 4x4	Pentium D 820	2.80	2x1MB	Dual	1GB	9-in-1	250GB	DVD±RW	GMA	Yes	Spkrs	Pref	XP Home	Nov 06
7393-51U 4x4	Pentium D 925	3.00	2x2MB	Dual	1GB	9-in-1	250GB	DVD ±RW	X300		•	EP	XP Pro	Nov 06
7393-55U 4x4	Pentium D 925	3.00	2x2MB	Dual	512MB		160GB	Combo	GMA			Pref	XP Pro	Nov 06
7393-56U 4x4	Pentium D 925	3.00	2x2MB	Dual	1GB	9-in-1	250GB	DVD ±RW	GMA	Yes	Spkrs	Pref	XP Home	Nov 06
7393-3FU 4x4	Pentium D 925	3.00	2x2MB	Dual	512MB		80GB	DVD	GMA		•	Pref	XP Pro	May 07
7393-8HU 4x4	Core 2 Duo E4300	1.80	2MB	Dual	512MB		80GB	DVD	GMA			Pref	XP Pro	May 07
7393-01U 4x4	Pentium E2140	1.60	1MB	Dual	512MB		80GB	DVD	GMA			Pref	XP Pro	Aug 07
7393-02U 4x4	Pentium E2140	1.60	1MB	Dual	512MB		160GB	Combo	GMA			Pref	XP Pro	Aug 07
	These models	have a	1-year li	mited	warranty	1								·

Excellent performance at competitive prices Positioning Intel® Pentium® D Processor 820 or 925 with dual-core, Processor Intel 64 Technology, Execute Disable Bit, EIST (9xx only), 800MHz system bus, and 2x1MB or 2x2MB L2 cache or Intel Pentium Dual-Core Processor E2140 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB shared L2 cache or Intel Core™ 2 Duo Processor E4300 with dual-core. Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB shared L2 cache Processor and L2 cache in FC-LGA4 or LGA6 in LGA775 socket Implementation Memory 512MB or 1GB std, 4GB max8, PC2-4200 533MHz DDR2, non-parity, dual-channel capable, two 240-pin DIMM sockets; standard memory in two sockets; no sockets available Non-italics: standard memory in one socket; one socket available Graphics • Intel Graphics Media Accelerator 3000 (GMA 3000) (one of following) integrated graphics in 946GZ, uses main memory

Tower

- · Business black color with silver accents
- 7.1" W X 17.5" D X 15.4" H 180mm W X 445mm D X 392mm H
- 20.1 to 22.5 lb (9.1 to 10.2 kg)
- Handle on top front Thumbscrew for removal of side covers
- Toolless entry



Slot 1: half-length, full-height, PCI Express x16 (75w max) Slot 2: half-length, full-height, PCI Express x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 (5v) Slot 4: half-length, full-height, 32-bit PCI 2.3 (5v)*

modem in slot in some models

 ATI™ Radeon™ X300 SE, PCI Express x16 adapter, 128MB 400MHz DDR1, 400MHz RAMDAC, two 15-pin analog D-sub connectors, dual head support SATA disk 80GB, 160GB, or 250GB, SATA300 7200 rpm Serial ATA, 300MB/sec SATA300, integrated in ICH7
One SATA cable (one 1-drop to disk), 2 SATA connectors on planar
Some: 48X-20X4 CD-ROM SATA controller SATA cables EIDE CD Some: 16X-48X Max⁴ DVD-ROM, single-layer Some: 48X/32X/48X/16X Max¹¹ CD-RW/DVD-ROM Combo EIDE DVD EIDE Combo EIDE DVD±RW Some: DVD and CD burner, Super Multi-Burner DL (41N5581) Enhanced IDE, ATA-100, integrated in I/O Controller Hub (ICH7) One 2-drop EIDE • Power-on password EIDE controller cable to optical, 2 EIDE connectors on planar FIDF cables Diskette drive None Media reader Some: 9-in-1 media reader, occupies diskette drive bay, internal USB 2.0 Chipset Intel 946GZ Express Chipset, 82946GZ Graphics Memory Controller Hub (GMCH), 82801GB I/O Controller Hub (ICH7) for SATA300, ATA-100 EIDE, PCI Express x1 PCI 2.3 bus, USB, Low Pin Count interface / ITE Tech® IT8718 Super I/O

(up to 256MB), 400MHz, one 15-pin analog D-sub connector, supports optional ADD2 adapter but not dual independent display

SECURITY

- · One lock to secure both cover and entire system to fixed object:
- Padlock loop (in rear for opt padlock)
 No security slot (in rear for optional Kensington Microsaver cable)
- No keylock
- Administrator password
- Boot sequence control
- Boot without keyboard, mouse, diskette Unattended start mode
- Hard disk I/O control
- Serial port I/O control
- Parallel port I/O control

Front ports Two USB 2.0, microphone (mono, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0, one 9-pin serial, parallel (25-pin), keyboard (PS/2), Rear ports mouse (PS/2), ethernet (RJ-45), monitor (DB-15)

Microphone-in (mono), line-in (stereo), line-out (stereo) [all 3.5mm] High Definition (HD) Áudio, AD1986A codec, SoundMÁX® software Some: desktop speakers, 2-piece, 6 watts (3 watts each), black, Lenovo logo One internal beeper

Beeper Ethernet Gigabit ethernet on systemboard, Broadcom® BCM5786 (PHY/MAC), PCIe x1 Some: 56K10 V.90 data/fax soft modem, PCI adapter Modem

[Pref] 104-key Preferred Pro USB Keyboard, black Keyboard

(one of following) Enhanced Performance USB Keyboard, 2-port USB 2.0 hub, black Optical Wheel Mouse (USB only), 400 dpi, black Mouse Power supply 250 watts, universal, manual switch

Preload with Windows XP Home¹²

Microsoft® Windows® XP Home Edition

Preload with Windows XP Professional¹² Microsoft Windows XP Professional

Preloaded⁵ (all OSes; some listed)

Lenovo CàreSM tools

Rear audio ports

External speakers

Audio

- Rescue and Recovery™
- System Update
- Password Manager
- Norton Internet Security™ (90 days of virus definitions)
 • PC-Doctor™ (diagnostics)

- · Google Desktop
- Diskeeper® Lite
- Corel® Small Business Center™ with WordPerfect® Office 12
- Corel Photo Album Starter™ 6
- AOL and EarthLink (XP Home models only)
 Roxio Digital Media LE (combo, DVD±RW)
 InterVideo WinDVD (DVD, combo, DVD±RW)
- InterVideo WinDVD Creator (DVD±RW)

License - CD not included (all OSes) - Lotus® SmartSuite® Millennium and

Lotus Notes® Stand-alone Client (Notes client not supported on XP Home)

LIMITED WARRANTY¹

- 1-year parts and labor
- International Warranty Service9
- Customer Replaceable Unit (CRU) parts are available with onsite service3, . 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time
- Onsite service upgrade options (in eligible locations):7
- 2-year LOR 9x5, Next Business Day (Lenovo CareSM part number 41K0541) **3-year LOR 9x5, Next Business Day**
- (Lenovo Care part number 41K0542)
- Post-warranty maintenance services:6

 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543)

 2-year LOR 9x5, Next Business Day
- (Lenovo Care part number 41K0544)

 ⇒ Lenovo Care services at
- http://lenovo.com/warranty 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ 800-IBM-SERV (426-7378)

Slot x	Intel	L2		Manage	SATA	EIDE	O		External	Vista	Vista	Avail	
7393-F1U 4x4 Pe 7393-G1U 4x4 Pe 7393-G2U 4x4 Pe 7393-GDU 4x4 Pe 7393-GDU 4x4 Pe 7393-GBU 4x4 Pe 7393-5BU 4x4 Pe 7393-5DU 4x4 Pe 7393-5DU 4x4 Pe 7393-5GU 4x4 Pe 7393-6GU 4x4 Pe 7393-6GU 4x4 Pe 7393-6HU 4x4 Pe 7393-8JU 4x4 Ce 7393-8JU 4x4 Ce 7393-8NU 4x4 Ce	entium 4 641 entium 4 641 entium D 915 entium D 915 entium D 925 entium D 925 entium D 925 entium D 925 entium D 945	3.00 2MB 3.20 2MB 3.20 2MB 3.20 2MB 2.80 2x2M 2.80 2x2M 3.00 2x2M 3.00 2x2M 3.00 2x2M 3.40 2x2M	Single Single Single B Dual B Dual B Dual B Dual B Dual B Dual B Dual B Dual B Dual	1GB 1GB 1GB 1GB 1GB 1GB	9-in-1 9-in-1 9-in-1 9-in-1	80GB 80GB 160GB 80GB 160GB 250GB 160GB 160GB 250GB 80GB 250GB 80GB 250GB 80GB 250GB	DVD Combo DVD±F Combo DVD±F Combo DVD±F DVD±F Combo DVD±F Combo DVD±F Combo DVD±F Combo	RW GMA O GMA RW GMA O GMA O GMA RW GMA RW GMA RW GMA RW GMA RW GMA RW GMA	Yes Yes Yes Yes	Spkrs H	preload Business Business Business Business Home Basic Business Home Basic Business Home Premiur Home Basic Business Home Premiur Home Premiur Business Home Premiur Business	Basic Premium Premium Premium	Jan 07 Jan 07 Jan 07 Jan 07 Jan 07 Jan 07 Jan 07 Jan 07 May 07 Jan 07 Jan 07 Jan 07 Jan 07
Positioning Processor	Excellent performintel® Pentium® Intel 64 Technolo Execute Disable Inte Pentium D Intel 64 Technolo 800MHz system Intel Core™ 2 D Intel 64 Technolo 800MHz system	4 Processory, Hyper-Tobbet, 800MH Processory, Execute bus, and 20 uo Processory, Execute bus, and 20 us, and 2	or 631 or hreading z system 315, 925 Disable 2MB L2 or E430 Disable 1B share	641 with g technol bus, and, or 945 Bit, EIS cache or 0 with du Bit, EIS	logy, d 2MB I with du T, r ual-core T, che	L2 cache lal-core, e,	or	7.1" W X180mm20.1 to 2Handle 6	(17.5 W X 4 22.5 lb on top crew t	" D X 15. 45mm D o (9.1 to o front for remov	X 392mm H	nts C	otical ② ③ isk
Implementation Memory - std/max Memory Graphics	PC2-4200 533M dual-channel cap Some: standarc (italics) s Intel Graphics I integrated graph (up to 256MB) /	5", 1.6 ", 1" ", 1" If-leng If-leng	high, n th,full-he th,full-he th,full-he	access, ope access, opt	diskette or or opt medi disk ress x16 (7 ress x1 CI 2.3 (5v)								
SATA disk SATA controller SATA cables EIDE DVD EIDE Combo EIDE DVD±RW EIDE controller EIDE cables Diskette drive Media reader Chipset	supports optional 80GB, 160GB, of Serial ATA / 300l One SATA cable Some: 16X-48X Some: 48X/32X Some: DVD but Enhanced IDE / One 2-drop EIDE None Some: 9-in-1 m	* modem i	in slot	One loc entire s - Padlo - No se Kensi - No ke	SECUR ck to secure to be system to fixed loop (in reaccurity slot (in ngton Microsa	ITY th cover ar object: r for opt pa rear for optiver cable)	dlock)						
Front ports Rear ports Rear audio ports Audio External speakers Beeper Ethernet Modem Keyboard Mouse	One internal bee Gigabit ethernet Some: 56K ¹⁰ V. 104-key Preferre	entroller Hubb B, Low Pin (icrophone (rone 9-pin ser thernet (RJ- nono), line-i HD) Audio / speakers, 2 eper on systemb 90 data/fax index of the pin systemb	m) novo logo	X1,	Boot wi Unatter Hard di Serial p Parallel	equence control ithout keyboar ided start mod sk I/O control oort I/O control port I/O control port I/O control port I/O control parts and lab ational Warran mer Replaceal are available wi 5 pm, Mon - F ling holidays,	d, mouse, cole ol RRANTY¹ or ty Service³ ole Unit (CR th onsite servicese)	₽U) rvice³,					
Power supply Preloaded oper - Some: Micros Home Basic E - Some: Micros Home Premiui - Some: Micros Business Editi Preloaded appl listed) • Lenovo Care - Rescue and - System Upd - Password Mi • Norton Interne	104-key Preferred Pro USB Keyboard, black USB only), 400 dpi, black Ver supply 250 watts / universal / manual switch 104-key Preferred Pro USB Keyboard, black Ver Supply 250 watts / universal / manual switch 105-key Preferred Pro USB Keyboard, black Ver Supply 250 watts / universal / manual switch 106-key Preferred Pro USB Keyboard, black Ver Supply 250 watts / universal / manual switch 107-key Preferred Pro USB Keyboard, black Ver Supply 250 watts / universal / manual switch 108-key Preferred Pro USB Keyboard, black Ver Supply 250 watts / universal / manual switch 108-key Preferred Pro USB Keyboard, black Ver Supply 250 watts / universal / manual switch 108-key Preferred Pro USB Keyboard, black Ver Supply 250 watts / universal / manual switch 108-key Preferred Pro USB Keyboard, black Ver Supply 250 watts / universal / manual switch 108-key Preferred Pro USB Keyboard, black Ver Supply 250 watts / universal / manual switch 108-key Preferred Pro USB Keyboard, black Ver Supply 250 watts / universal / manual switch 108-key Preferred Pro USB Keyboard, black Ver Supply 250 watts / universal / manual switch 108-key Preferred Pro USB Keyboard, black Ver Supply 250 watts / universal / manual switch 108-key Preferred Pro USB Keyboard, black Ver Supply 250 watts / universal / manual switch 108-key Preferred Pro USB Keyboard, black Ver Supply 250 watts / universal / manual switch 108-key Preferred Pro USB keyboard, black 108-key Prefer Pro USB k											esponse timede options part Busines number 4116 ext Busines number 4166 enance ser ext Busines number 4166 ext Busines number 4166 ext Busines number 4166 ext Busines number 4166 ext Busines number 4766 ext Busines number 4776 ext Busines ext Bu	s Day (K0541) s Day ()542) vices: ⁶ ss Day ()543) ss Day ()544)

Slot x Type-mod bay	AMD Processor	GHz	L2 cache	Core	Memory	Media reader			EIDE ptical			External speakers		Preload	Avail date
7387-24U 4x4 At 7387-26U 4x4 At 7387-27U 4x4 At 7387-3BU 4x4 At 7387-41U 4x4 At 7387-44U 4x4 At		2.00 2 2.00 2 2.00 2 2.10 2 2.20 2 2.20 2 2.30 2	12KB xx512KB xx512KB xx512KB xx512KB xx512KB xx512KB xx512KB xx512KB	Single Dual Dual Dual Dual Dual Dual Dual Dual	512MB 1GB 1GB 512MB 512MB 1GB 512MB	9-in-1	80GB 160GB 160GB 160GB 250GB 250GB 80GB 160GB 250GB 80GB	Co DV DV DV Co	mbo mbo D±RW D±RW D mbo D±RW	NVIDIA NVIDIA NVIDIA	Yes Yes	Spkrs Spkrs Spkrs	EP Pref Pref Pref Pref Pref	XP Pro XP Pro XP Pro XP Home XP Home XP Pro XP Pro XP Pro XP Pro XP Pro	May 07 May 07 Sep 06 Sep 06 Sep 06 Sep 06 May 07 Sep 06 Sep 06 May 07
Positioning	Excellent performa		-						Tower	r					
Processor	AMD® Athlon™ 6AMD64, integrated virtualization technical AMD Athlon 64 X integrated L1/L2 c virtualization technical AMD Athlon 64 X integrated AMD Athlon 64	4 3500+ d DDR2 hology c 2 3800+ ache, A hology	with sing memory or +, 4000 +, MD64, in	gle-cor contro , 4200 - ntegrate	re, integr oller, and +, or 440 ed DDR2	0+ with control	h dual-c e	ore,	• 7.1" • 180r • 20.1 • Han	W X 17. nm W X to 22.5 dle on to	5" D X 445mn b (9.1 p front	n D X 392 to 10.2 kg	2mm H g)	ents di	pptical ② skette □□□
Implementation Memory - std/max	Processor in 940-			e III 30	CKEL AIVI				• Tool	less entr	y				
Memory	PC2-4200 533MH: dual-channel capa 512MB models: 1GB model 44U: 1GB models 26U/2	Bay 2	5.25",	1.6" hiç	gh, access gh, access , access	s, o _l	d optical cen d or opt dis media rea								
Graphics	NVIDIA® GF 6100 uses main memor optional PCI Expre	y / 425N	e 15-pi	n analog		Slot 1:	: half-len	gth,full	, no acc -height, F -height, F	ess, st PCI Exp	d disk press x16 (7				
SATA disk SATA controller SATA cables EIDE DVD EIDE Combo EIDE DVD±RW EIDE controller	80GB, 160GB, or Serial ATA / 300M One SATA cable (Some: 16X-48X I Some: 48X/32X/4 Some: DVD burne Enhanced IDE / A south bridge One 2-drop EIDE	nar	Slot 3: Slot 4:	: half-len : half-len em in slo	gth,full gth,full ot in so • One entire - Pa	-height, 3 -height, 3 me mode lock to see system dlock loop	32-bit P 32-bit P Is SECUR ecure b to fixed	CI 2.3 (5v) CI 2.3 (5v) CITY oth cover a dobject: ar for opt pa	nd adlock)						
Diskette drive Media reader	None Some: 9-in-1 med		· .					al I I	SB 2 0					rear for opt aver cable)	ional
Chipset	NVIDIA GeForce® support for PCI Ex NVIDIA MCP51 so	6100 C cpress x outh brid	51g chip 1 slot, Podge for S	pset / (CI Exp ATA30(C51g inc ress x16 0, ATA-1	ludes (slot, F 33 EID	graphics PCI 2.3 sl E, USB,	con	troller,		 No Powe Adm Boot 	keylock er-on pas inistrator sequenc	sword password e contr	ord	diskette
Front ports Rear ports Rear audio ports Audio External speakers Beeper Ethernet Modem	support for PCI Express x1 slot, PCI Express x16 slot, PCI 2.3 slot NVIDIA MCP51 south bridge for SATA300, ATA-133 EIDE, USB, Low Pin Count interface / Winbond® W83627EHG Super I/O Tront ports Rear ports Rear audio ports Audio Rear audio ports Audio Rear speakers Some: desktop speakers, 2-piece, 6 watts (3 watts each), black, Low Din Event (BJ-45), black, Low Din Event (BJ-45), black, Low Din Event (BJ-45), monitor (DB-15) Microphone-in (mono), line-in (stereo), line-out (stereo) [all 3.5mm High Definition (HD) Audio / AD1986A codec / SoundMAX® softwater (BJ-45), black, Low Din Event (BJ-45), bla										HardSeria	tended st disk I/O al port I/O llel port I/	control contro	ol	
Keyboard (one of following) Mouse Power supply	[Pref] 104-key Pre [EP] Enhanced Pe Optical Wheel Mo 250 watts / univers	erforman use (US	nce USB B only),	Keybo 400 dp	ard, 2-po	k ort USE	3 2.0 hub	, bla	ack			ear parts	and lab	RRANTY ¹ oor nty Service ⁹	
Preload with Windows XP Home 12 Microsoft® Windows® XP Home Edition - Disk-to-Disk Recovery (in hidden protected area) Preload with Windows XP Professional - Disk-to-Disk Recovery (in hidden protected area) Microsoft Windows XP Professional - Disk-to-Disk Recovery (in hidden protected area) Preloaded⁵ (all OSes) • Lenovo Care® tools - Rescue and Recovery™ - System Update - Password Manager • Norton Internet Security™ (90 days of virus definitions) • PC-Doctor™ (diagnostics) • Adobe® Reader • Google Toolbar • Google Desktop • Picasa from Google • Diskeeper® Lite • Corel® Small Business Center WordPerfect® Office 12 • Corel Photo Album Starter™ 6 • AOL and EarthLink (XP Home Roxio Digital Media LE (combe InterVideo WinDVD (DVD, core InterVideo WinDVD (DVD,									lels only D±RW DVD±R RW) I I Iotes	y)) w)	pari 8 ar exc nex Ons (in a 2- (L - 2- (L - 2- (L - 2- 24x issue))	is are avai m - 5 pm, luding ho to businessite service ligible lo year LOR enovo Care year LOR enovo Care enovo Care ovo Care covo Care covo Care covo Care covo Care covo Care	lable w Mon - I lidays, s day r c day r c e upgr cations 9x5, N res part y main R 9x5, N re part R 9x5, N re part C 9x5, N re	ext Busines t number 41k ext Busines number 41k tenance sei lext Busine number 41k lext Busine number 41k es at arranty oort for wari arranty per	rvice ³ , e eness ss Day K0541) ss Day 0542) vices: ⁶ ss Day 0543) ss Day 0544)

Class															A ! !
Type-mod bay	Processor	GHz		Core	Memory										date
7387-2JU 4x4 A 7387-2KU 4x4 A 7387-2MU4x4 A 7387-48U 4x4 A 7387-49U 4x4 A	empron 3400+ empron 3400+ thlon 64 X2 3800+ thlon 3800+ thlon 3800+ thlon 3800+ thlon 64 X2 4200+ thlon 64 X2 4200+ thlon 64 X2 4200+	1.80 1.80 2.00 2.40 2.40 2.20 2.20 2.20	512KB 512KB 512KB 512KB 2x512KE 2x512KE 2x512KE	Single Single B Dual Single Single Single B Dual B Dual B Dual	1GB 512MB 512MB 1GB 1GB 1GB 1GB 1GB	9-in-1 9-in-1	80GB 80GB 160GB 80GB 160GB 80GB 160GB	DVD Comb Comb Comb B DVD± Comb B DVD±	bo bo bo ±RW ±RW bo ±RW	NVIDIA NVIDIA NVIDIA NVIDIA NVIDIA NVIDIA NVIDIA	Yes Yes	Spkrs Spkrs	Home Basi Business Home Basi Home Basi Business Business Business Business Home Basi	Premiun c Basic c Basic Premiun Premiun Premiun Basic Basic	Jan 07 n Jan 07 Jan 07 Jan 07 n Jan 07 n Jan 07 Jan 07 Jan 07
	These models														
Positioning Processor	Excellent perform AMD® Sempron AMD64, and inte AMD Athlon™ 6 AMD64, integrate virtualization tecl AMD Athlon 64 L1/L2 cache, AM virtualization tecl Processor in 940	™ 3400 grated 4 3800 ed DDF hnology X2 380 ID64, ir	D+ with sind DDR2 memore the with sind B2 memore the with sind B2 memore the with th	ngle-con ngle-corn ngle-corn ory contr 00+ with DDR2	re, integrecontroller e, integrecoller, and n dual-controlle	r or ated L1 d ore, into r, and	/L2 cacl	he, ne,	7.118020.HaiThu	siness blands W X 17 Omm W X 1 to 22.5 Indle on to	.5" D (445r lb (9 op fro w for i	X 15.4" nm D X .1 to 10. nt	392mm H		optical ② iskette disk
Memory - std/ma	rry - std/max ⁸ 512MB or 1GB std / 4GB max BC2 4200 532MHz DDB2 / pop pority / CAS leteney 4 / upbuffered / Bay ① 5.25",													L d optical	
Memory	hory C2-4200 333MHz DDR2 / non-parity / CAS latency 4 / unbuffered / dual-channel capable / two 240-pin DIMM sockets / 512MB models: models 48U/49U/4AU: one socket used (1GB per socket); models 9GU/2JU/2KU/2MU: two sockets used (512MB per socket) NVIDIA® GF 6100 / integrated graphics controller in C51g chipset / uses main memory / 425MHz / one 15-pin analog D-sub connector / Slot 3: half-length, f														skette ider
Graphics	ics NVIDIA® GF 6100 / integrated graphics controller in C51g chipset / uses main memory / 425MHz / one 15-pin analog D-sub connector / optional PCI Express x16 adapter can support two monitors disk 80GB, 160GB, or 250GB / SATA300 7200 rpm * model*												nt, PCI Exp	ress x1 Cl 2.3 (5v)	
SATA disk SATA controller SATA cables EIDE DVD EIDE Combo EIDE DVD±RW EIDE controller EIDE cables Diskette drive Media reader	optional PCI Expréss x16 adapter can support two monitors disk controller cables DVD Combo DVD±RW controller cables DVD burner / Super Multi-Burner DL Drive (41N5581) Enhanced IDE / ATA-133 / integrated in NVIDIA MCP51 south bridge One 2-drop EIDE cable to optical / 2 EIDE connectors on planar None Some: 9-in-1 media reader / occupies diskette drive by NVIDIA GeForce® 6100 C51g chipset / C51g includes graphics controller,												SECUR o secure bo em to fixed loop (in rea rity slot (in r on Microsa	oth cover a object: r for opt pa ear for op	adlock)
Chipset	NVIDIA GeForce support for PCI E NVIDIA MCP51 : Low Pin Count in	Express south b	s x1 slot, oridge for	PCI Exp SATA30	oress x10 00, ATA-1	6 slot, F 33 EID	PCI 2.3 s DE, USB	slots /	oller,	,	AcBcBc	lministra ot sequ ot witho	password ator passwo ence contro out keyboard d start mod	ol d, mouse,	diskette
Front ports Rear ports Rear audio ports Audio External speaker	Two USB 2.0, mi Four USB 2.0, or mouse (PS/2), et Microphone-in (n High Definition (h s Some: desktops	ne 9-pii thernet nono), HD) Au	n serial, ¡ (RJ-45), line-in (s dio / AD1	oarallel (monitor tereo), li 1986A c	(25-pin), r (DB-15 ne-out (s odec / S	keyboa) stereo) oundM/	ird (PS/2 [all 3.5n AX® soft	2), nm] ware		000	• Se	rial port	I/O control I/O control ort I/O control		
Beeper Ethernet	One internal bee Gigabit ethernet	per on plar	nar / Broa	adcom®	BCM578	88 / PCI	, .			Ŭ	- 4		MITED WAR		
Modem Keyboard Mouse Power supply	et Gigabit ethernet on planar / Broadcom® BCM5788 / PCI 2.3 / Wake on LAN® Some: 56K¹º V.90 data/fax soft modem / PCI adapter rd 104-key Preferred Pro USB Keyboard, black Optical Wheel Mouse (USB only), 400 dpi, black											iternatio ustome arts are	rts and labo onal Warran r Replaceat available wit om, Mon - Fi	ty Service ble Unit (C thonsitese	RU) ervice ³ ,
Preloaded ope - Some: Micro Home Basic I - Some: Micro Business Edit Preloaded app • Lenovo Care - Rescue and - System Upd - Password N • Norton Intern (90 days of vi • PC-Doctor™ (• Adobe® Read • Picasa from C • Diskeeper® H	ct® Offinancial Link (Vi t include uite® Mi tand-al D-J sheel lenovo	Center ista Hon ed (all C illenniun one Clie	ne Bas OSes) n and ent	ories		e. n O (i P P L h P 2 is	xcluding ext busi nsite se n eligibl 2-year L (Lenovo 3-year L (Lenovo cost-war 1-year I (Lenovo 2-year l (Lenovo cttp://len 4x7 ¹⁴ tol ssues du	n holidays, ness day reservice upgrate locations. LOR 9x5, Nector part nor anty maint. LOR 9x5, Nector part nor anty maint. LOR 9x5, Nector part not lore service lore lore lore lore lore lore lore lor	esponse til ide option j:7 ext Busine: number 41k ext Busine: umber 41k ext Busine: umber 41k ext Busine umber 41k ext Busine umber 47k ext Busine; umber 47k ext Busine;	me s ss Day 1K0541) ss Day (0542) rvices: ⁶ ss Day (0543) ss Day (0544)					

Slot x Type-mod bay	AMD L: Processor GHz cad	? he Core Memory	Media reader	SATA disk	EIDE optica	Integrated I graphics				Vista logo	Avail date
7387-3CU 4x4 Atl 7387-3DU 4x4 Atl 7387-3EU 4x4 Atl 7387-59U 4x4 Atl 7387-5AU 4x4 Atl 7387-63U 4x4 Atl 7387-64U 4x4 Atl	nlon 64 X2 4400+ 2.30 2x5 nlon 64 X2 4000+ 2.10 2x5 nlon 64 X2 4000+ 2.10 2x5 nlon 64 X2 4000+ 2.10 2x5 nlon 64 X2 4400+ 2.30 2x5 nlon 64 X2 4400+ 2.30 2x5 nlon 64 X2 4800+ 2.50 2x5 nlon 64 X2 4800+ 2.50 2x5 nlon 64 X2 4800+ 2.50 2x5	12KB Dual 1GB 12KB Dual 1GB	9-in-1 9-in-1	250GB 160GB 250GB 80GB 160GB	Combo DVD±R' DVD±R' Combo DVD±R' Combo DVD±R'	W NVIDIA NVIDIA W NVIDIA W NVIDIA NVIDIA NVIDIA W NVIDIA W NVIDIA W NVIDIA	Yes	Spkrs	Home Prem Business Business Home Prem Business Business Business Home Prem	Basic Basic Basic Basic Basic Basic Basic	May 07 May 07 May 07 May 07 May 07 May 07 May 07
Positioning					-	F					
Positioning Processor Implementation Memory - std/max Memory		o+, '4400+, 'or 480 integrated DDR2 of package in Socke non-parity / CAS	t AM2 latency 4 ckets /	r, and	re, fered /	• Business b • 7.1" W X 17 • 180mm W 2 • 20.1 to 22.9 • Handle on • Thumbscre • Toolless en	7.5" D X 445 5 lb (9 top fro w for	X 15.4' mm D X 9.1 to 10 ont	H 392mm H .2 kg)	L [i	optical ② diskette o o = = = disk
Graphics		ckets used (512M			ncot /	Pov (1) F 25"	1 6"	high or	anno ata	Lontinal	
	NVIDIA® GF 6100 / integra uses main memory / 425M optional PCI Express x16 a	Hz / one 15-pin ar	nalog D-s	sub con	nector /	Bay ① 5.25", Bay ② 5.25", Bay ③ 3.5",	, 1.6"	high, ac	cess, op	or opt o	
SATA disk SATA controller SATA cables EIDE Combo EIDE DVD±RW EIDE controller EIDE cables Diskette drive Media reader	80GB, 160GB, or 250GB / Serial ATA / 300MB/sec SA One SATA cable (one 1-dro Some: 48X/32X/48X/16X Some: DVD burner / Supe Enhanced IDE / ATA-133 / One 2-drop EIDE cable to None Some: 9-in-1 media reade	TA300 / integrated pt to disk) / 2 SAT, Max ¹¹ CD-RW/DV r Multi-Burner DL integrated in NVIC optical / 2 EIDE co	planar) n bridge nar	Bay ④ 3.5", Slot 1: half-le Slot 2: half-le Slot 3: half-le * modem in s	ength, ength, ength, ength,	full-heig full-heig full-heig full-heig	access, sto ht, PCI Exp ht, PCI Exp ht, 32-bit PC ht, 32-bit PC nodels	ress x16 ress x1 Cl 2.3 (5) Cl 2.3 (5)	(75w max) v)		
Chipset	NVIDIA GeForce® 6100 Cs support for PCI Express x1 NVIDIA MCP51 south brid, Low Pin Count interface / N	ics contr .3 slots /		er -	ntire sys Padlock	secure bo tem to fixed loop (in rear rity slot (in re	th cover object: for opt p	oadlock)			
Front ports Rear ports	Two USB 2.0, microphone Four USB 2.0, one 9-pin se mouse (PS/2), ethernet (R	rial, parallel (25-p		n)	-	Kensing No keylo	ton Microsav	er cable)		
Rear audio ports Audio External speakers Beeper Ethernet Modem	Microphone-in (mono), line High Definition (HD) Audio Some: desktop speakers, One internal beeper Gigabit ethernet on planar Some: 56K ¹⁰ V.90 data/fax	/ AĎ1986Á codec 2-piece, 6 watts (3 / Broadcom® BCM	/ Sound watts e 15788 / F	IMAX® s ach), bla PCI 2.3 /	oftware ack, Lenc	_	Bo Bo Ui Hi Se	oot sequot oot withon nattende ard disk erial por	ator password ence controput keyboard ed start mod I/O control t I/O control ort I/O control	l I, mouse e	, diskette
Keyboard Mouse Power supply	104-key Preferred Pro USE Optical Wheel Mouse (USE 250 watts / universal / man	3 only), 400 dpi, bl	ack					LII	MITED WAR	RANTY	1
Home Premiur - Some: Micros Business Edition	oft® Windows® Vista™ n Edition (32-bit) oft Windows Vista on (32-bit) cations⁵ (all OSes) Tools Recovery™ ate anager edia Center t Security™ us definitions) liagnostics) str	Corel® Smawith WordF QuickBook AOL and E only) License - CD Lotus® Note DVD (all) Windows A upgrade to Accessories Accessories Acc Guide in Others at http	Perfect® (S Finance arthLink O not includes® Stan Invitime Undifferent On O-J s pdf lence	Office 12 ial Cent (Home uded (a id-alone Jpgrade t Vista vo heet	er Premium II OSes) Client DVD incersions for	luded for or a fee oriesguide		nternation custome warts are a cam - 5 pt accluding the cast business of	onal Warrant r Replaceab available wit om, Mon - Fr g holidays, ness day re ervice upgra le locations)OR 9x5, Ne o Care part no ranty mainte LOR 9x5, Ne o Care part no Lore service ovo.com/wa il-free suppor uring the wa SERV (426-7	y Service le Unit (I honsite: i coveral sponse i de optio : Toveral stranger ext Busin number 41 mance sext Busin umber 42 tst Busin umber 43 s at rrranty port for warranty port for warranty port for warranty port sext Busin umber 44 s at sext Busin umber 45 s at granty port for warranty port for wa	cRU) service ³ , ge time ns ess Day 41K0541) ess Day K0542) ervices: ⁶ sess Day 1K0543) sess Day K0544)

Lenovo™ 3000 J100, J105, J110, J115 Accessories

Partial list of accessories supported on Lenovo 3000 J100 Lenovo 3000 J105 Lenovo 3000 J110 Lenovo 3000 J115			
Memory SiS or VIA chipset types 8253, 8258 only: 512MB PC3200 CL3 NP DDR1 UDIMM 1GB PC3200 CL3 NP DDR1 UDIMM	73P2686 22P9272	Power and Cables Belkin 7-Outlet Surge Protector Data/Video Projectors	31P7657
Intel or NVIDIA chipset types 8255, 7387, 738 512MB PC2-5300 CL5 NP DDR2 UDIMM 1GB PC2-5300 CL5 NP DDR2 UDIMM	03 only: 73P4983 ann 06/28/05 73P4984 ann 06/28/05	Lenovo M500 Projector Security USB GemPlus GemPC Smart Card Reader	0037A05 ann 02/28/06 41N3040 ann 02/21/06
Optical 16X Max ⁴ DVD-ROM (black) 48X/32X/48X/16X Max ¹¹ CD-RW/DVD-ROM Combo drive (black) Super Multi-Burner DL DVD±RW EIDE Drive Storage and removable storage 40GB Serial ATA150 Disk (7200 rpm) 80GB Serial ATA300 Disk (7200 rpm) 160GB Serial ATA300 Disk (7200 rpm) 500GB Serial ATA300 Disk (7200 rpm) 500GB Serial ATA300 Disk (7200 rpm) 500GB Serial ATA300 Disk (7200 rpm) USB Portable Diskette Drive USB 2.0 Essential Memory Key 1GB USB 2.0 Essential Memory Key 1GB USB 2.0 Security Memory Key 1GB USB 2.0 Security Memory Key 2GB USB 2.0 Security Memory Key 4GB USB 2.0 CD-RW/DVD-ROM Combo II Drive USB 2.0 Portable 80GB Hard Disk USB 2.0 Portable 120GB Hard Disk USB 2.0 Super Multi-Burner Drive Graphics J110 and J115 Tower models support up to 78 None	22P7185 09N4253 ann 05/19/03 09N4254 ann 05/19/03 41N3015 ann 01/24/06 43R1990 ann 11/06/07 05K9276 ann 06/05/00 41U4940 ann 01/23/07 41U5118 ann 07/17/07 41U5119 ann 07/17/07 41U5119 ann 07/17/07 40Y8637 ann 01/05/06 41N8378 ann 04/17/07 41N5565 ann 01/23/07	ThinkVision L171p 17" LCD Monitor ThinkVision L190x 19" LCD Monitor ThinkVision L193p 19" LCD Monitor ThinkVision L194 Wide 19" LCD Monitor ThinkVision L220x Wide 22" LCD Monitor Monitor Accessories ⁴⁶ ThinkVision USB Soundbar Kensington® Cable Lock from Lenovo Radial Arm 46 Compatible on selected Lenovo and Thin Other accessories at http://lenovo.com/acce	essories ssoriesguide d by Lenovo? See
Keyboard Preferred Pro USB Keyboard Preferred Pro Full Size PS/2 Keyboard Enh Perf Wireless Keyboard and Mouse Mouse USB Optical Wheel Mouse Optical 3-Button ScrollPoint® Mouse Lenovo Laser Mouse (USB, PS/2) Multimedia USB 2.0 Lenovo Multimedia Headset USB 2.0 Lenovo Webcam	73P5220 ann 06/21/05 31P7415 ann 06/04/02 73P4067 ann 12/06/04 06P4069 ann 05/21/03 31P7405 ann 08/27/02 41U3074 ann 01/23/07 40Y8518 ann 06/27/06 40Y8519 ann 08/29/06	2-year Lenovo Onsite Repair 9x5, Next Busi 3-year Lenovo Onsite Repair 9x5, Next Busi Post-warranty maintenance services: ⁶ 1-year Lenovo Onsite Repair 9x5, Next Busi 2-year Lenovo Onsite Repair 9x5, Next Busi	ness Day 41K0541 ness Day 41K0542 ness Day 41K0543 ness Day 41K0544

Slot x	Intel		1.2			Madia	CATA	^			Cuternal		Avail	
Type-mod bay	Intel Processor	GHz	L2 cache	Core	Memory ⁸	Media reader	SATA disk	SATA optica		Graphi	cs Modem	External speakers	Preload	Avail date
9690-03U 4x4 Ce 9690-5GU 4x4 Pe 9690-01U 4x4 Pe 9690-02U 4x4 Pe 9690-6EU 4x4 Pe 9690-7NU 4x4 Co 9690-27U 4x4 Co 9690-28U 4x4 Co 9690-29U 4x4 Co	ntium E2140 ntium E2140 ntium E2140 ntium E2160 re 2 Duo E4400 re 2 Duo E4500 re 2 Duo E4500	1.60 1.60 1.60 1.80 2.00 2.20 2.20	512KB 1MB 1MB 1MB 1MB 2MB 2MB 2MB 2MB 2MB	Single Dual Dual Dual Dual Dual Dual Dual Dual	512MB 512MB 1GB 1GB 512MB 512MB 512MB 1GB 1GB	None None None None None None None	80GB ² 80GB 80GB 160GB 80GB 80GB 80GB 80GB 160GB	DVD DVD DVD Com	ibo b±RW	GMA GMA GMA	None None None None None None None	None None None None None None None None	XP Pro XP Pro XP Pro XP Pro XP Pro XP Pro XP Pro XP Pro XP Pro	Oct 07 July 07 Oct 07 Oct 07 July 07 July 07 Nov 07 Nov 07 Nov 07
Positioning Processor Implementation Memory	Excellent perforintel® Celeron® Intel 64 Technol and 512KB L2 contel Pentium® dual-core, Intel 800MHz system Intel Core™ 2 Core dual-core, Intel 800MHz system Processor and Int	Proces ogy, Excache or Dual-C 64 Tecl or bus, and Duo Pro 64 Tecl or bus, and L2 cach std / 20	ssor 42i ecute D r ore Pro hnology nd 1MB ocessor hnology nd 2MB e in FC-	o with so isable Execusions Execu	E2140 o te Disable I L2 cache or E4500 te Disable I L2 cache n LGA773	dz bus, r E2160 e Bit, EIS e or l with e Bit, EIS e s socket MHz DE	ST, ST, DR2,		6.9"W 175m 22.0 I Hand Toolle Toolle optica Toolle	V X 16.0 X X X X X X X X X X X X X X X X X X X	ack and silve 7" D X 16.14 424mm D X 0 kg) op front er removal k, diskette di removal apter retentio 1.6" high, ac	1"H < 410mm H rive, on	1 L	optical ② 9-in-1 disk 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Graphics SATA disk	non-parity, dual- Non-italics: sta Intel Graphics integrated graph one 15-pin anal supports option 80GB or 160GE	-channe andard r Media nics in 9 og D-su al ADD2	el capab memory Acceler 945GC, ib conne 2 adapte	le, two in one rator 95 uses mater ector, er but ne	240-pin D socket; or 60 (GMA S ain memo	ay ② ay ③ ay ④ lot 1: lot 2: lot 3:	5.25", 3.5", 3.5", half-ler half-ler	1.6" high, ac 1" high, ac	ccess, ccess, co ccess, co access, so ght, PCI Ex ght, PCI Ex ght, 32-bit I	open opt 9-in-1/d standard di spress x16 spress x1 PCI 2.3 (5)	liskette sk (75w max) /)			
SATA controller SATA DVD SATA Combo SATA DVD±RW EIDE controller Diskette drive Media reader	Serial ATA, 300l four SATA conn. Some: DVD-RC Some: CPRW. Some: Super N Enhanced IDE, 1 EIDE connect None None	MB/sec ectors DM DL S /DVD-Ri fulti-Bur ATA-10 or on pl	SATA30 SATA150 OM Cor rner DL 0, integri lanar	00, integ 0 16-48 nbo SA DVD±R rated in	X Max⁴ D TA150 Dr W SATA1 ICH7,			 Padlock Security Kensing Administr Boot sequ Boot with 	tem to fixe loop (in real slot (in real ston® Micro ator passwuence cont out keyboa	ooth cover d object: ar for opt p ar for optio saver® cab ord rol rd, mouse	oadlock) nal lle)			
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Ethernet	Internal mono s	i00 EID 18 Supe nicropho one 9-pi ethernet mono), (HD) au peaker	E, PCI I er I/O one (mo n serial, t (RJ-45 line-in (idio, AD	no, 3.5r , paralle), monit stereo) 1988A	mm), head mm), head el (25-pin) tor (15-pir , line-out codec)		Serial por Parallel p 1-year p Internati Custome	Limited Warts and la	rol /arranty¹ bor nty Servic				
Modem Keyboard Mouse Power supply	10/100 ethernet, Realtek® RTL8101E, PCle x1 None 104-key Preferred Pro USB Keyboard, black Optical Wheel Mouse (USB only), 400 dpi, black 280 watts, universal, manual switch										parts are 8 am - 5 excludin next bus	available v pm, Mon - ig holidays siness day	vith onsites Fri covera , response t	service³, ge time
Microsoft® Windo Preloaded⁵ • Lenovo Care⁵ • Rescue and - System Upda - Password Ma • Norton Interne (90 days of viru • PC-Doctor™ (0 • Adobe® Reade • Windows Live⁵ • Windows Live⁵	elload with Windows XP Professional elloaded⁵ Lenovo Cares™ Tools - Rescue and Recovery™ - System Update - Password Manager Borton Internet Security™ 90 days of virus definitions) PC-Doctor™ (diagnostics) • Diskeeper® Home • Corel® Small Business Center™ with WordPerfect® Office 12 • Corel Photo Album Starter™ 6 • Microsoft Office 2007 Trial • InterVideo WinDVD (combo, DVD, DVD±RW)										• 2-year (Lenov • 3-year (Lenov • 7-year (Lenov • 2-year (Lenov • 2-year (Lenov • 24-hour during the	ble location LOR 9x5, to Cares part to Care part rranty mair LOR 9x5, to Care part to Care part LOR 9x5, to Care part care part	Next Busin Alext Busin Alext Busin In number 4' Intenance s Next Busin In number 4' Next Busin In number 4' Ses at Evarranty	dess Day 41K0541) dess Day 1K0542) ervices: ⁶ dess Day 1K0543) dess Day 1K0544)

See footnotes for important warranty information
US models announced July 3, September 25, October 9, or November 6, 2007
US models withdrawn effective March 2008

Type-mod	Slot > bay	Intel Processor	GHz	L2 cache	Core	Memory		SATA disk	SATA optical	Graphics	Mo- External dem speakers		Vista logo	Avail date
9690-85U 9690-58U	4x4 4x4	Celeron 420 Celeron 420 Pentium E2140 Pentium E2140	1.60 1.60			512MB 512MB 1GB 1GB	9-in-1	80GB 80GB 80GB 160GB	DVD Combo Combo DVD+RW	GMA	Mod Spkrs	Home Basic Home Basic Business 32 Business 32	Basic Basic Basic Basic	July 07 July 07 July 07 July 07
9690-63U	4x4	Pentium E2140 Pentium E2160	1.80	1MB 1MB	Dual Dual	1GB 1GB	9-in-1	160GB	DVD±RW Combo	GMA	Mod Spkrs	Home Premium Business 32	Basic	July 07 July 07
9690-23U 9690-7JU 9690-7RU	4x4 4x4 4x4	Pentium E2160 Core 2 Duo E4300 Core 2 Duo E4400 Core 2 Duo E4400 Core 2 Duo E4400	1.80 2.00 2.00	1MB 2MB 2MB 2MB 2MB	Dual Dual Dual Dual Dual	1GB 1GB 1GB 1GB 1GB	9-in-1 9-in-1 9-in-1	160GB 80GB 160GB	DVD±RW Combo Combo DVD±RW DVD±RW	NVIDI GMA / GMA	A	Home Premium Business 32 Business 32 Business 32 Home Premium	Premium Basic Basic	July 07 July 07 Nov 07

Positioning Processor	Excellent performance at competitive prices Intel® Celeron® Processor 420 with single-core, Intel 64 Tech, Execute Disable Bit, 800MHz bus, and 512KB L2 cache or Intel Pentium® Dual-Core Processor E2140 or E2160 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB shared L2 cache or Intel Core™ 2 Duo Processor E4300 or E4400 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB shared L2 cache Processor and L2 cache in FC-LGA6 in LGA775 socket	Tower Business black and silver bezel 6.9"W X 16.7" D X 16.14"H 175mm W X 424mm D X 410mm H 22.0 lb (10.0 kg) Handle on top front Toolless cover removal Toolless disk, diskette drive, optical drive removal Tolless adapter retention
Memory	512MB or 1GB std / 2GB max ⁸ / PC2-4200 533MHz DDR2 , non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; one socket available	Bay ① 5.25", 1.6" high, access. standard optical
Graphics (one of following)	Intel Graphics Media Accelerator 950 (GMA 950), integrated graphics in 945GC, uses main memory (up to 256MB), one 15-pin analog D-sub connector, supports optional ADD2 adapter but not dual independent display NVIDIA® GeForce 7300LE, PCI Express x16 adapter, 128MB DDR2 memory, one DMS-59 connector for dongle with 15-pin analog D-sub and DVI-I connector, S-Video out for TV-out, dual head support	Bay 3.5", 1" high, no access, standard disk Slot 1: half-length, full-height, PCI Express x16 (75w max) Slot 2: half-length, full-height, PCI Express x1

	adal floda dapport
SATA disk SATA controller SATA DVD SATA Combo SATA DVD±RW EIDE controller Diskette drive Media reader	80GB, 160GB, or 320GB, SATA300, 7200 rpm Serial ATA, 300MB/sec SATA300, integrated in ICH7, four SATA connectors Some: DVD-ROM DL SATA150 16-48X Max ⁴ Drive (41N5618) Some: CD-RW/DVD-ROM Combo SATA150 Drive (41N5619) Some: Super Multi-Burner DL DVD±RW SATA150 Drive (41N5620) Enhanced IDE, ATA-100, integrated in ICH7, 1 EIDE connector on planar None Some: 9-in-1 media reader, occupies diskette drive bay, internal USB 2.0
Chipset	Intel 945GC Express Chipset; I/O Controller Hub 7 (ICH7) for SATA300, ATA-100 EIDE, PCI Express x1, PCI 2.3, USB, LPC bus / ITE Tech® IT8718 Super I/O
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Ethernet Modem	Two USB 2.0, microphone (mono, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0, one 9-pin serial, parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (15-pin) Microphone-in (mono), line-in (stereo), line-out (stereo) [all 3.5mm] High Definition (HD) audio, AD1988A codec Some: desktop speakers, 2-piece, 6 watts (3 watts each), black, Lenovo logo Internal mono speaker 10/100 ethernet, Realtek® RTL8101E, PCle x1 Some: 56K ¹⁰ V.90 data/fax soft modem, PCl adapter
Keyboard Mouse Power supply	104-key Preferred Pro USB Keyboard, black Optical Wheel Mouse (USB only), 400 dpi, black 280 watts, universal, manual switch
Preloaded opera	ating system ²⁰ • Network Magic TM

- Preloaded operating system²⁰
 Some: Microsoft® Windows® Vista
 - Home Basic Edition (32-bit)
- Some: Microsoft Windows Vista
- Home Premium Edition (32-bit) Some: Microsoft Windows Vista
- - Business Edition (32-bit)

Preloaded applications⁵ (all OSes) • Lenovo Care⁵™ Tools - Rescue and Recovery™

- System Update

 Password Manager

 Lenovo Multimedia Center

 Norton Internet SecurityTM

 Control Internet SecurityTM
- (90 days of virus definitions) PC-Doctor™ (diagnostics)

- Network Magic™
 Adobe® Reader
 Windows Live™ Toolbar
- Windows Live Search
- Picasa from Google
- Diskeeper® Home
 Except Model 23U: Corel® Small Business Center™ with WordPerfect® Office 12
 QuickBooks Financial Center
- Microsoft Office 2007 Trial
- EarthLink Trial (Vista Home Basic, Vista Home Premium)

Security

- One lock to secure both cover and entire system to fixed object:
- Padlock loop (in rear for opt padlock)
 Security slot (in rear for optional Kensington® Microsaver® cable)
- Administrator password · Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O control
- Parallel port I/O control

Limited Warranty¹

- 1-year parts and labor
- ✓ International Warranty Service⁹
 ✓ Customer Replaceable Unit (CRU) Customer Replaceable Unit (LRU) parts are available with onsite service³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time Onsite service upgrade options (in plinible locations).⁷
- - (in eligible locations):7

 2-year LOR 9x5, Next Business Day
 (Lenovo CareSM part number 41K0541)

 3-year LOR 9x5, Next Business Day
 - (Lenovo Care part number 41K0542)
- Post-warranty maintenance services:6
 - 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543)
 - 2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544)
- Lenovo Care services at http://lenovo.com/warranty
- 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378

ovo™ 3000 J	J205 (9686) -	· XF	Pro -	with	drawn						Person	al Systems	Reference	e (PSREI
Slot x Type-mod bay	AMD Processor	GHz	L2 cache	Core	Memory ⁸	Media reader	SATA disk	SATA optical	Integrated graphics			External speakers	Preload	Avail date
9686-4AU 4x4 At 9686-4BU 4x4 At 9686-59U 4x4 At 9686-54U 4x4 At 9686-56U 4x4 At 9686-65U 4x4 At		2.4 2.1 2.1 2.3 2.3 2.3 2.5	2x512KB 2x512KB 2x512KB 2x512KB 2x512KB 2x512KB 2x512KB	Dual Dual Dual Dual Dual Dual	1GB 1GB	None None None None None None None	80GB 80GB 160GB 80GB 160GB	DVD Combo DVD±RV DVD	X1250 X1250 X1250 X1250 X1250 X1250 X1250 X1250 X1250 X1250 X1250	Yes Yes Yes Yes Yes Yes Yes Yes Yes	None None None None None None None None	None None None None None None None None	XP Pro XP Pro XP Pro XP Pro XP Pro XP Pro XP Pro XP Pro XP Pro XP Pro	Aug 07
Positioning Processor mplementation	AMD® Athlon™ 64 3800+ with single-core, integrated L1/L2 cache, AMD64, integrated DDR2 memory controller, and virtualization technology or AMD Athlon 64 X2 4000+, 4400+, or 4800+ with dual-core, integrated L1/L2 cache, AMD64, integrated DDR2 controller, and virtualization technology Processor in 940-pin PGA package in Socket AM2 AMD® Athlon™ 64 3800+ with single-core, integrated L1/L2 cache, AMD64, integrated L1/L2 cache, AMD64, integrated L1/L2 cache, AMD64 integrated L1/L2 cache, AMD64 integrated L1/L2 cache, AMD64 integrated L1/L2 cache, AMD64 integrated DR2 controller, and virtualization technology Processor in 940-pin PGA package in Socket AM2									9-	ptical ② in-1 isk			
Memory	512MB or 1GB st non-parity, dual-ch Non-italics: stand	nánne	el capable,	four 24	0-pin DIN	1M sock	ets;	opti	Toolless disk, diskette drive, optical drive removal Toolless adapter retention					0 0
Graphics	ATI™ Radeon™ X1250, integrated graphics in RS690, uses main memory, one 15-pin analog D-sub connector, optional PCI Express x16 adapter can support two monitors							Bay @	5.25", 1. 3.5", 1	25", 1.6" high, access, standard optical 25", 1.6" high, access, open 5", 1" high, access, opt 9-in-1/diskette 5", 1" high, no access, standard disk				
SATA disk SATA controller SATA DVD	80GB, 160GB or Serial ATA, 300MB four SATA connec Some: DVD-ROM	3/sec tors	SATA300,	, integra	ted in SB		Ū	e, Slot 2 Slot 3	: half-leng : half-leng	length,full-height, PCI Express x16 (75w max) length,full-height, PCI Express x1 length,full-height, 32-bit PCI 2.3 (5v) length,full-height, 32-bit PCI 2.3 (5v)				
SATA Combo SATA DVD±RW EIDE controller Diskette drive Media reader	SATA Combo SATA Combo SATA Combo SATA Combo SATA DVD±RW SOme: CD-RW/DVD-ROM Combo SATA150 Drive (41N5619) Some: Super Multi-Burner DL DVD±RW SATA150 Drv (41N5620) Enhanced IDE, ATA-133, integrated in SB600, 1 EIDE connector on planar None None None Chipset AMD 690G Chipset; I/O Controller Hub SB600 for SATA300, ATA-133 EIDE, PCI Express x1, PCI Express x16, PCI 2.3, USB, LPC bus / Kensii									Security • Security chip (see information on left) • One lock to secure both cover and entire system to fixed object:				
Chipset								urity slot sington®	t (Ìn rear fo Microsav	or optiona	al [′]			
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Ethernet	Winbond® W83627DHG Super I/O Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0, one serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (15-pin) Microphone-in (stereo), line-in (stereo), line-out (stereo) [all 3.5mm] High Definition (HD) audio, ALC888 codec • Power-on password • Administrator password • Boot sequence control • Boot without keyboard, mouse, of unattended start mode • Serial port I/O control								liskette					

Preloaded operating system²⁰

- Microsoft® Windows® XP Professional

Preloaded applications⁵ (only some listed)

Kevboard Mouse Power supply

- Lenovo CaresM Tools
 − Rescue and RecoveryTM
 System Linds
 - System Update Password Manager
- Norton Internet Security™
- (90 days of virus definitions)
 PC-Doctor™ (diagnostics)
 Adobe® Reader
 Windows Live™ Toolbar

- Picasa from Google
- Diskeeper® Home Corel® Small Business Center™ with WordPerfect® Office 12
- Corel Photo Album Starter™ 6
- Microsoft Office 2007 Trial
- InterVideo WinDVD (combo, DVD, DVD±RW)

Accessories

104-key Preferred Pro USB Keyboard, black Optical Wheel Mouse (USB only), 400 dpi, black

280 watts, universal, manual switch

1GB PC2-5300 DDR2 UDIMM (TopSeller) 43R2001 2GB PC2-5300 DDR2 UDIMM (TopSeller) 43R2002 Super Multi-Burner DL DVD±RW SATA Drive 41N5620 160GB Serial ATA300 Disk (7200 rpm) 09N4254 250GB Serial ATA300 Disk (7200 rpm) 41N3015 500GB Serial ATA300 Disk (7200 rpm) 43R1990 USB Portable Diskette Drive 05K9276 USB 2.0 Essential Memory Key 2GB 41U4944 USB 2.0 Security Memory Key 2GB 41U5110 USB 2.0 Security Memory Key 4GB 41U5120 USB 2.0 Portable 80GB Hard Disk 41N8378 USB 2.0 Portable 120GB Hard Disk 41N8378 USB 2.0 Super Multi-Burner Drive-LS 41N5565 Preferred Pro Full Size PS/2 Keyboard 40Y8518 USB 2.0 Lenovo Multimedia Headset 40Y8518 USB 2.0 Lenovo Webcam 40Y8518 ThinkVision* L194 Wide 19" LCD Monitor 433HB2 ThinkVision L194 Wide 19" LCD Monitor 4434HB2 ThinkVision L220x Wide 22" LCD Monitor 4433HB2 ATI Radeon HD 2400 XT 256MB 43R1962 Other accessories at http://lenovo.com/accessories

Limited Warranty¹

1-year parts and labor
International Warranty Service⁹
Customer Replaceable Unit (CRU)
parts are available with onsite service³,
8 am - 5 pm, Mon - Fri coverage
excluding holidays, next business day response time

Onsite service upgrade options (in eligible locations):7

2-year LOR 9x5, Next Business Day (Lenovo CareSM part number 41K0541) 3-year LOR 9x5, Next Business Day

(Lenovo Care part number 41K0542)

 Post-warranty maintenance services:6
 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543)

2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544)

Lenovo Care services at http://lenovo.com/warranty

24 hour x 7 day¹⁴ toll-free support during the warranty period via 800-426-7378

Slot x Type-mod bay	AMD Processor	GHz	L2 cache	Core N	lemory	Media 8 reader		Integrated graphics		External speakers		Avail date
	hlon 64 X2 4400+							X1250	Yes			Nov 07
	hlon 64 X2 4000+ hlon 64 X2 4400+										Home Premium	
	hlon 64 X2 4400+										Home Premium Home Premium	

Positioning Processor	Excellent performance at competitive prices AMD® Athlon™ 64 X2 4000+, 4400+, or 4800+ with dual-core, integrated L1/L2 cache, AMD64, integrated DDR2 controller, and virtualization technology Processor in 940-pin PGA package in Socket AM2	Tower ■ Business black and silver bezel ■ 6.9" W X 16.7" D X 16.1" H ■ 175mm W X 424mm D X 410mm H ■ 22.0 lb (10.0 kg) □ optical □ ② □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □				
Memory	1GB std, 8GB max ⁸ , PC2-5300 667MHz DDR2, non-parity, dual-channel capable, four 240-pin DIMM sockets; <i>Italics</i> : standard memory in 2 sockets; 2 sockets available	22.0 lb (10.0 kg) Handle on top front Toolless cover removal Toolless disk, diskette drive,				
Graphics	ATI™ Radeon™ X1250, integrated graphics in RS690, uses main memory, one 15-pin analog D-sub connector, optional PCI Express x16 adapter can support two monitors	optical drive removal • Toolless adapter retention Bay ① 5.25", 1.6" high, access, standard optical				
SATA disk SATA controller SATA Combo SATA DVD±RW EIDE controller Diskette drive Media reader	160GB or 320GB, SATA300, 7200 rpm Serial ATA, 300MB/sec SATA300, integrated in SB600 south bridge, four SATA connectors Some: CD-RW/DVD-ROM Combo SATA150 Drive (41N5619) Some: Super Multi-Burner DL DVD±RW SATA150 Drive (41N5620) Enhanced IDE, ATA-133, integrated in SB600, 1 EIDE connector on planar None 9-in-1 media reader, occupies diskette drive bay, internal USB 2.0	Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, access, std or opt 9-in-1/dstr Bay ④ 3.5", 1" high, no access, standard disk Slot 1: half-length,full-height, PCI Express x16 (75w max Slot 2: half-length,full-height, PCI Express x1 Slot 3: half-length,full-height, 32-bit PCI 2.3 (5v) Slot 4: half-length,full-height, 32-bit PCI 2.3 (5v)* * modem in slot in some models				
Chipset	AMD 690G Chipset; I/O Controller Hub SB600 for SATA300, ATA-13 PCI Express x1, PCI Express x16, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O	33 EIDE, Security Security chip (see information on left) One lock to secure both cover and				
Front ports Rear ports Rear audio ports Audio	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5m Four USB 2.0, one serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (15-pin) Microphone-in (stereo), line-in (stereo), line-out (stereo) [all 3.5mm] High Definition (HD) audio, ALC888 codec	mm) entire system to fixed object: - Padlock loop (in rear for opt padlock) - Security slot (in rear for optional				

Preloaded operating system²⁰
- Some: Microsoft® Windows® Vista
Home Premium Edition (32-bit) Some: Microsoft Windows Vista Business Edition (32-bit) All models: Vista Premium logo

Preloaded applications⁵ (all OSes)

- Lenovo CaresM Tools

 Rescue and Recovery[™]
- System Update

Internal speaker

Security chip

Ethernet

Keyboard

Mouse Power supply

Modem

- Password Manager Lenovo Multimedia Center
- Norton Internet Security™
- (90 days of virus definitions)
 PC-Doctor™ (diagnostics)
 Network Magic™
 Adobe® Reader

- Windows Live™ Toolbar Windows Live Search

- windows Live Search
 Picasa from Google
 Diskeeper® Home
 Corel® Small Business Center™ with
 WordPerfect® Office 12
- QuickBooks Financial Center Microsoft Office 2007 Trial
- EarthLink Trial (Vista Home Premium)

Accessories

Gigabit ethernet on planar, Marvell® 88E8071, PCIe x1, Wake on LAN® Some: 56K¹⁰ V.90 data/fax soft modem, PCI adapter Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant

External speakers Desktop speakers, 2-piece, 6 watts (3 watts each), black, Lenovo logo

104-key Preferred Pro USB Keyboard, black Optical Wheel Mouse (USB only), 400 dpi, black

280 watts, universal, manual switch

Internal mono speaker

1GB PC2-5300 DDR2 UDIMM (TopSeller)	43R2001
2GB PC2-5300 DDR2 UDIMM (TopSeller)	43R2002
Super Multi-Burner DL DVD±RW SATA Drive	41N5620
160GB Serial ATA300 Disk (7200 rpm)	09N4254
250GB Serial ATA300 Disk (7200 rpm)	41N3015
500GB Serial ATA300 Disk (7200 rpm)	43R1990
USB Portable Diskette Drive	05K9276
USB 2.0 Essential Memory Key 1GB	41U4940
USB 2.0 Essential Memory Key 2GB	41U4944
USB 2.0 Security Memory Key 1GB	41U5118
USB 2.0 Security Memory Key 2GB	41U5119
USB 2.0 Security Memory Key 4GB	41U5120
USB 2.0 Portable 80GB Hard Disk	41N8378
USB 2.0 Portable 120GB Hard Disk	41N8379
USB 2.0 Super Multi-Burner Drive-LS	41N5565
Preferred Pro Full Size PS/2 Keyboard	31P7415
Wireless Kbd & Opt Wheel Mouse (via USB)	73P4067
USB 2.0 Lenovo Multimedia Headset	40Y8518
USB 2.0 Lenovo Webcam	40Y8519
ThinkVision® L190x 19" LCD Monitor	4439HB2
ThinkVision L193p 19" LCD Monitor	4431HB2
ThinkVision L194 Wide 19" LCD Monitor	4434HB6
ThinkVision L220x Wide 22" LCD Monitor	4433HB2
ATI Radeon HD 2400 XT 256MB	43R1962
Acc Guide in pdf lenovo.com/accessoriesgu	
Other accessories at http://lenovo.com/acce	ssories

- Administrator password
- Boot sequence control
- · Boot without keyboard, mouse, diskette
- Unattended start mode
- Serial port I/O control Parallel port I/O control

Limited Warranty¹

- 1-year parts and labor
- ✓ International Warranty Service⁹
 ✓ Customer Replaceable Unit (CRU)
- parts are available with onsite service³, 8 am 5 pm, Mon Fri coverage excluding holidays, next business day response time
- Onsite service upgrade options (in eligible locations):7
 - 2-year LOR 9x5, Next Business Day (Lenovo CareSM part number 41K0541) **3-year LOR 9x5, Next Business Day**
- (Lenovo Care part number 41K0542) Post-warranty maintenance services:6
 - 1-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0543)
 - 2-year LOR 9x5, Next Business Day (Lenovo Care part number 41K0544)
- Lenovo Care services at http://lenovo.com/warranty
- 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378

Lenovo™ 3000 J200, J205 Accessories

Partial list of accessories supported on • Lenovo 3000 J200 with 945GC chipset • Lenovo 3000 J205 with 690G chipset		
Memory 512MB PC2-5300 CL5 NP DDR2 UDIMM 1GB PC2-5300 DDR2 UDIMM (TopSeller) 1GB PC2-5300 CL5 NP DDR2 UDIMM 2GB PC2-5300 DDR2 UDIMM (TopSeller) 2GB PC2-5300 CL5 NP DDR2 UDIMM Optical DVD-ROM DL SATA150 16X-48X Max ⁴ Drive CD-RW/DVD-ROM Combo SATA150 Drive Super Multi-Burner DL DVD±RW SATA Drive Storage and removable storage 80GB Serial ATA300 Disk (7200 rpm) 160GB Serial ATA300 Disk (7200 rpm) 250GB Serial ATA300 Disk (7200 rpm) USB Portable Diskette Drive USB 2.0 Essential Memory Key 1GB USB 2.0 Security Memory Key 2GB USB 2.0 Security Memory Key 4GB USB 2.0 Security Memory Key 4GB USB 2.0 Security Memory Key 4GB USB 2.0 CD-RW/DVD-ROM Combo II Drive USB 2.0 Portable 80GB Hard Disk USB 2.0 Portable 120GB Hard Disk USB 2.0 Super Multi-Burner Drive	73P4983	Security Kensington® Cable Lock from Lenovo USB GemPlus GemPC Smart Card Reader Monitors Lenovo E75 17" CRT Monitor (16.0" vis) Lenovo E75 17" CRT Monitor (16.0" vis) Lenovo E75 17" CRT Monitor (16.0" vis) ChinkVision® L151 15" LCD Monitor (16.0" vis) ThinkVision L171 17" LCD Monitor (16.0" vis) ThinkVision L171 17" LCD Monitor (17.0" vis) ThinkVision L190x 19" LCD Monitor (17.0" vis) ThinkVision L193p 19" LCD Monitor (17.0" vis) ThinkVision L190x 19" LCD Monitor (17.0" vis) ThinkVision L190x 19" LCD Monitor (17.0" vis) ThinkVision L171 17" LCD Monit
Graphics J200 Tower 9690 with 945GC models support ATI™ Radeon™ HD 2400 XT 256MB	up to 75 watt max: 43R1962 ann 11/06/07	
J205 Tower 9686 with 690G models support up ATI Radeon HD 2400 XT 256MB	o to 75 watt max: 43R1962 ann 11/06/07	Other accessories at http://lenovo.com/accessories Accessories Guide at pdf lenovo.com/accessoriesguide
Keyboard Preferred Pro USB Keyboard Preferred Pro Full Size PS/2 Keyboard Wireless Kbd & Opt Wheel Mouse (via USB)	73P5220 ann 06/21/05 31P7415 ann 06/04/02 73P4067 ann 12/06/04	Need to buy accessories no longer marketed by Lenovo? See www.itxchange.com/lenovo for the Options Continuation Program.
Mouse Optical Wheel Mouse (USB) Optical ScrollPoint® Mouse (USB, PS/2) Laser Tilt Wheel Mouse (USB, PS/2)	06P4069 ann 05/21/03 31P7405 ann 08/27/02 41U3074 ann 01/23/07	Lenovo Care SM maintenance services Onsite service upgrade options (in eligible locations): ⁷ 2-year Lenovo Onsite Repair 9x5, Next Business Day 3-year Lenovo Onsite Repair 9x5, Next Business Day 41K0541 41K0542
Multimedia USB 2.0 Lenovo Multimedia Headset USB 2.0 Lenovo Webcam	40Y8518 ann 06/27/06 40Y8519 ann 08/29/06	Post-warranty maintenance services: ⁶ 1-year Lenovo Onsite Repair 9x5, Next Business Day 2-year Lenovo Onsite Repair 9x5, Next Business Day 41K0543 41K0544
Power and Cables Belkin 7-Outlet Surge Protector	31P7657	Lenovo Care maintenance services at http://lenovo.com/warranty

Part number	Slot x bay	Processor	GHz	L2 cache	Core I	/lemory ⁸	Media reader		SATA optical (Remote control		Avail date
57-061308	4x5 C		2.33	4MB	Dual	2GB	8-in-1	500GB	DVD±RW DVD±RW DVD±RW	/ GMA	Viiv Viiv	Mod Mod	TV	Pwr	Remote	Home Prem Home Prem Home Prem	Oct 07

· Power Dial on front to adjust power and energy for three modes (cool, auto, and turbo)

Processor Implementation	Intel® Pentium® Dual-Core Processor E2140 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB shared L2 cache or Intel Core™ 2 Duo Processor E6550 with dual-core, Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, TXT, and 1333MHz system bus with 4MB shared L2 cache or Intel Core 2 Quad Processor Q6600 with quad-core (dual-core on dual-die), Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, and 1066MHz system bus with 4MB shared L2 cache on each die Processor in FC-LGA6 package in LGA775 socket	Tower Black and s 7.1" W X 17 180mm W 2 28.8 lb (13. Handle on t Toolless cot Toolless ad Bay ① 5.25",			
Memory	2GB or 3GB std, 8GB max ⁸ (Vista only supports 3.2GB max), PC2-5300 667MHz DDR2, non-parity, dual-channel capable, four 240-pin DIMM sockets Italics: standard memory in two sockets; 2 sockets available; standard memory in three sockets; 1 socket available	Bay ② 5.25", Bay ③ 3.25", Bay ④ 3.5", Bay ⑤ 3.5", Slot 1: half-le			
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100), integrated graphics in G33, uses main memory, one 15-pin analog D-sub connector				
SATA disk SATA controller	320GB or 500GB , SATA 3.0Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in ICH9R, supports RAID 0, 1, 5, 10	* TV tuner of two transfers of two transfers of two transfers of the trans			
SATA DVD±RW SATA cables EIDE controller Diskette drive Media reader	Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), four SATA connectors None None 8-in-1 media reader, internal USB 2.0				
Chipset	Intel G33 Express Chipset; I/O Controller Hub 9 RAID (ICH9R) for SATA 3.0Gb/s with RAID 0/1/5/10 support, PCI Express x1, ethernet PCI 2.3, USB, LPC bus / SMSC® SCH5617 Super I/O for serial, para hardware monitoring (temperature, voltage, fan speed)				
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Ethernet Modem Security chip	Two USB 2.0, microphone (mono, 3.5mm), headphone (stereo, 3.5m Four USB 2.0, one serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (15-pin) Microphone-in, line-in, line-out, CEN/LFE-out, surround-out, SPDIF-High Definition (HD) audio, ADI1988 codec None None 10/100 ethernet on planar, Intel 82566DC (PHY/MAC) <i>Some</i> : 56K ¹⁰ V.90 data/fax soft modem, PCI adapter None	,			
Intel Viiv TV tuner Remote control Ira receiver Power dial	Some: Intel Viiv™ technology for the home Some: dual tuner high definition ATSC/QAM digital TV plus analog T Hauppauge WinTV-HVR-1800, PCle x1 Philips Vista MCE remote control (40-button) Philips Vista MCE Ira receiver Power dial (with breathing lights) to adjust power and energy for thre (green light for cool mode, blue light for auto mode, and red light for	e modes			
Keyboard Mouse Power supply	104-key anti-bacterial keyboard (PS/2) Optical Wheel Mouse (USB), 400 dpi 280 watts, universal, manual switch				
Droloaded energ	oting ovetem?0				

- Preloaded operating system²⁰
 Microsoft® Windows® Vista®
 Home Premium Edition (32-bit) *All models:* Vista Premium logo
- Preloaded applications⁵
- Lenovo Rescue System
 - OneKey Antivirus
 - File Management

- File Management
 OneKey Recovery
 Driver & Application Installation
 Lenovo Power Dial
 Trend Micro™ PC-cillin™ Internet Security 2007
 EarthLink®

- Windows Live™ Toolbar
 Microsoft Office 2007 Trial (60-day)
 InterVideo WinDVD (DVD±RW)
- CyberLink Power2Go (DVD±RW)

- silver bezel
- 7.9" D X 15.0" H
- X 455mm D X 380mm H
- .1 kg)
- top front
- ver removal
- sk, optical drive removal
- dapter retention

", 1.6" high, access, ", 1.6" high, access, ", 1" high, access, standard optical open

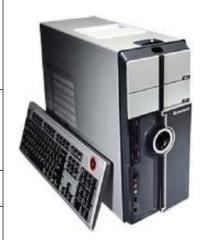
8-in-1 media reader 1" high, no access, standard disk 1" high, no access, opt disk

ength,full-height, PCI Express x16 Ver 1.1 ength,full-height, PCI Express x1 Ver 1.1 ength,full-height, PCI Express x1 Ver 1.1* ength,full-height, 32-bit PCI Ver 2.3 **

- card in slot in some models
 - n slot in some models

Security

Chassis lock



Limited Warranty¹

- 1-year parts and labor
- International Warranty Service⁹
- Customer Replaceable Unit (CRU)
 parts are available with onsite service³,
 8 am 5 pm, Mon Fri coverage
 excluding holidays,
 next business day response time
 Lenovo Care services at
- http://lenovo.com/warranty 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 1-877-453-6686

standard optical

media reader*

Part number	Slot x bay	Processor	GHz	L2 cache	Cores	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	Modem	Monitor	Camera	Preload	Avail date
57091128 57099437	1x4 1x4	Atom 230 Atom 230				1GB 1GB	16-in-1		DVD±RW DVD±RW					Home Basic	Jan 09 Mar 09
57098978	1x4	Atom 230				1GB			DVD±RW			DIOSTIL		XP Home	Apr 09

· Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Processor Implementation	Intel® Atom™ Processor 230 with single-core, Hyper-Threading technology, Intel 64 Technology, Execute Disable Bit, 533MHz system bus, and 512KB L2 cache Processor in Micro-FCBGA package in BGA437 socket	Tower • Black bezel with glossy finish • 6.9" W X 16.1" D X 14.2" H • 175mm W X 409mm D X 360mm H
Memory	1GB std, 2GB max ⁸ , one 240-pin DIMM socket 57091128: PC2-5300 667MHz DDR2, non-parity; others: PC2-6400 800MHz DDR2, non-parity	20.1 lb (9.1 kg) in max configuration Bay ① 5.25", 1.6" high, access, standard opti
Graphics	Intel Graphics Media Accelerator 950 (GMA 950), integrated graphics in 945GC, uses main memory, one 15-pin analog VGA DB-15 connector	Bay ② 3.0", 1" high, access, media readel Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk * 16-in-1 media reader in some models
SATA disk SATA controller SATA DVD±RW SATA cables EIDE controller EIDE cables Diskette drive	160GB, SATA 3.0Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in ICH7 Multi-Burner DL DVD±RW SATA 3.0Gb/s Drive Two SATA cables (each 1-drop to device), two SATA connectors None None None	Slot 1: half-length,full-height, 32-bit PCI Ver 2.3
Media reader Chipset	Some: 16-in-1 media reader Intel 945GC Express Chipset, I/O Controller Hub 7 [ICH7] (SATA 3 ethernet MAC, PCI 2.3, USB, LPC bus), ITE Tech® IT8718 Super I/O	
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Ethernet Modem Security chip	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5r Four USB 2.0, one serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo High Definition (HD) audio, ALC662 codec; None None 10/100 ethernet on planar, Realtek® RTL8102E None None	
TV tuner Camera	None None	
Keyboard Mouse Power supply	104-key standard keyboard (PS/2 connector) Optical Wheel Mouse (USB connector), 400 dpi 280 watts, universal, manual switch	
Preloaded opera	ating system ²⁰ Preloaded applications ⁵	



Preloaded operating system

Some: Genuine Windows® XP Home Edition

Some: Genuine Windows Vista® Home Basic 32

♦ Vista model: Vista Basic logo

Preloaded applications

- Lenovo® Rescue System
- Driver and Application Installation
 Trend Micro™ PC-cillin™ Internet Security 2008
 Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- (Vista model only) Corel® WinDVD® (DVD±RW)
- CyberLink Power2Go (DVD±RW)

Available at these retailers

- Newegg® TigerDirect

Limited Warranty¹

1-year parts and labor

 Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)

Service upgrade options (in eligible locations):9

3-year Lenovo Onsite Repair 9x5 Next Business Day (43R8882) 24x7¹⁴ toll-free support for warranty

issues during the warranty period1 via 877-453-6686

standard optical opt 16-in-1 reader

Type-model	Slot x bay	Processor	GHz	L2 cache	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	Modem	Monitor	Preload	Avail date
5357-1FU	1x4	Atom 230	1.60	512KB	1GB PC2-5300	16-in-1	160GB	DVD	GMA 950	None		Home Basic	Jan 09
5357-ANU	1x4	Atom 230	1.60	512KB	1GB PC2-6400		160GB	DVD ±RW	GMA 950	None		XP Home	Dec 09
5357-1VU	1x4	Atom 230	1.60	512KB	1GB PC2-6400		160GB ²	DVD±RW	GMA 950	None		XP Home	Mar 09
5357-1WU	1x4	Atom 230	1.60	512KB	1GB PC2-6400		160GB	DVD±RW	GMA 950	None		XP Home	Mar 09
5357-1XU	1x4	Atom 230	1.60	512KB	1GB PC2-6400		160GB	DVD±RW	GMA 950	None	D185	XP Home	Sep 09
5357-1KU	1x4	Atom 230	1.60	512KB	2GB PC2-5300		1TB	DVD±RW	GMA 950	None		Home Basic	Mar 09
5357-1CU	1x4	Atom 230	1.60	512KB	2GB PC2-5300		320GB	DVD±RW	GMA 950	None		Home Basic	Sep 09
5357-1GU	1x4	Atom 230	1.60	512KB	2GB PC2-5300	16-in-1	320GB	DVD±RW	GMA 950	None		Home Basic	Jan 09
5357-ACU	1x4	Atom 230	1.60	512KB	2GB PC2-6400		320GB	DVD±RW	GMA 950	None	D185	Home Basic	Sep 09

· Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Processor Implementation	Intel® Atom™ processor 230 with single-core, Hyper-Threading technology, Intel 64 Technology, Execute Disable Bit, 533MHz system bus, and 512KB L2 cache Processor in Micro-FCBGA package in BGA437 socket	nology, Intel 64 Technology, 33MHz system bus, and 512KB L2 cache BGA package in BGA437 socket max ⁸ , one 240-pin DIMM socket; • Black bezel with glossy finish • 6.9" W X 16.1" D X 14.2" H • 175mm W X 409mm D X 360r • 20.1 lb (9.1 kg) in max configu	6.1" D X 14.2" H
Memory	1GB or 2GB std, 2GB max ⁸ , one 240-pin DIMM socket; Some: PC2-6400 800MHz DDR2, non-parity; PC2-5300 667MHz DDR2, non-parity	• 20.1 lb (9.1 Bay ① 5.25",	kg) in max configuration , 1.6" high, access, standard optic
Graphics	Intel Graphics Media Accelerator 950 (GMA 950), integrated graphics in 945GC, uses main memory, one 15-pin analog VGA DB-15 connector	1	1" high, access, opt 16-in-1 re 1" high, no access, standard disk 1" high, no access, optional disk ength,full-height, 32-bit PCI Ver 2.3
SATA disk SATA controller SATA DVD SATA DVD±RW SATA cables EIDE controller EIDE cables Diskette drive Media reader	160GB, 320GB, or 1TB, SATA 3.0Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in ICH7 Some: DVD-ROM DL SATA 1.5Gb/s 16X-48X Max Some: Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), two SATA connectors None None None Some: 16-in-1 media reader	Old 1. Hall-le	angui, tuir-rieigni, 52-bit i 61 vei 2.5
Chipset	Intel 945GC Express Chipset, I/O Controller Hub 7 [ICH7] (SATA 3 ethernet MAC, PCI 2.3, USB, LPC bus), ITE Tech® IT8718 Super I/O		Jones
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Ethernet Modem Security chip	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5neour USB 2.0, one serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo High Definition (HD) audio, ALC662 codec None None 10/100 ethernet on planar, Realtek® RTL8102E None None	,	ment of closes
Monitor TV tuner Camera	Some: D185 Wide Flat Panel Monitor None None		
Keyboard Mouse Power supply	104-key standard keyboard (PS/2 connector) Optical Wheel Mouse (USB connector), 400 dpi 280 watts, universal, manual switch		
Preloaded opera	ating system ²⁰ Preloaded applications ⁵ (only some	listed)	Available at these retailers



- Some: Genuine Windows® XP Home Edition
- Some: Genuine Windows Vista® Home Basic 32
- ♦ Vista models: Vista Basic logo

- Lenovo® Rescue System
- Driver and Application Installation Trend Micro™ PC-cillin™ Internet Security 2008
- Windows Live[™] Toolbar
- Microsoft® Office 2007 Trial (60-day)
- (Vista models only)
 Corel® WinDVD® (DVD±RW)
- CyberLink PowerŻGo (DVD±RW)

- Lenovo.com
- Fry's

Limited Warranty¹

- 1-year parts and laborCustomer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
- Service upgrade options (in eligible locations):9
 - 3-year Lenovo Onsite Repair 9x5 Next Business Day (43R8882) 24x7¹⁴ toll-free support for warranty
- issues during the warranty period1 via 877-453-6686

See footnotes for important warranty information US models announced Jan 13, March 17, September 10, or December 17, 2009; US models withdrawn effective April 2010

Slot x Part number bay	Processor	GHz	L2 cache	Cores	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	Modem	Cam- era	Vista preload	Avail date
	Pentium E2200 Pentium E2200		1MB 1MB	2	2GB 4GB	16-in-1	500GB ² 640GB	DVD±RW DVD+RW	GMA 3100 GMA 3100		None None	Prem 32 Prem 32	Oct 08 Oct 08
57094408 4x4	Pentium E2220	2.40	1MB	2	3GB	10-111-1	320GB	DVD±RW	GMA 3100	None	None	Prem 32	Jan 09
57088774 4x4	Pentium E5200 Core 2 Duo E7200 Core 2 Duo E7400		2MB 3MB 3MB	2 2 2	4GB 4GB 4GB	16-in-1 16-in-1	640GB 640GB 640GB	DVD±RW DVD±RW DVD±RW	GMA 3100 GMA 3100 GMA 3100	None	None None None	Prem 64 Prem 32 Prem 64	Mar 09 Oct 08 Mar 09

· Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Processor Implementation Memory	Intel® Pentium® Processor E2200, E2220, or E5200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, E2200/E2220: 1MB L2 cache; E5200: 2MB L2 cache or Intel Core™ 2 Duo Processor E7200 or E7400 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, and 1066MHz system bus with 3MB L2 cache Processor in FC-LGA6 or FC-LGA8 package in LGA775 socket 2GB, 3GB, or 4GB std, 4GB max®, two 240-pin DIMM sockets; Italics: standard memory in both sockets; no sockets available; 57098966/57098997: PC2-6400 800MHz DDR2, non-parity, dual-channel capable; Others: PC2-5300 667MHz DDR2, non-parity, dual-channel capable	Black bezel with glossy finish 6.9" W X 16.1" D X 14.2" H 175mm W X 409mm D X 360mm H 20.1 lb (9.1 kg) in max configuration ay ② 5.25", 1.6" high, access, standard optical ay ② 3.0", 1" high, access, media reader * ay ③ 3.5", 1" high, no access, standard disk ay ④ 3.5", 1" high, no access, optional disk 16-in-1 media reader in some models lot 1: half-length,full-height, PCI Express x1 Ver 1.1 lot 3: half-length,full-height, PCI Express x1 Ver 1.1			
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100), integrated graphics in G31, uses main memory, one 15-pin analog D-sub connector	Slot 4: half-length, full-height, 32-bit PCI Ver 2.3			
SATA disk SATA controller SATA DVD±RW SATA cables EIDE controller EIDE cables Diskette drive Media reader Chipset	320GB, 500GB, or 640GB, SATA 3.0Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in ICH7 Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), four SATA connectors None None None Some: 16-in-1 media reader Intel G31 Express Chipset (PCI Express® x16), I/O Controller Hub	7 [ICH7]			
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Ethernet Modem Security chip	(SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC be Winbond® W83627DHG or ITE Tech® IT8718F Super I/O Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5m Four USB 2.0, one serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo High Definition (HD) audio, ALC662 codec None None None None None	nm) ereo, 3.5mm)			
TV tuner Camera	None None	Available at these retailers Newegg® TigerDirect			
Keyboard Mouse Power supply	104-key standard keyboard (PS/2 connector) Optical Wheel Mouse (USB connector), 400 dpi 280 watts, universal, manual switch	Limited Warranty¹			
Home - Some: Genuir	ne Windows® Vista® Premium 32 ne Windows Vista Premium 64 • Lenovo® Rescue System • Lenovo Healthcare Software (Premium 32-bit models only) • Driver and Application Installation	Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) Service upgrade options (in eligible locations):9			

See footnotes for important warranty information
US models announced October 22, 2008 or Jan 13 or March 17, 2009;
US models withdrawn effective April 2010

Slot x Type-model bay	Processor	GHz	L2 cache	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	Modem	Monitor	Vista preload	Avail date
5355-1EU 4x4 5355-1FU 4x4 5355-ADU 4x4 5355-ADU 4x4 5355-AEU 4x4 5355-2JU 4x4 5355-2JU 4x4 5355-2OU 4x4 5355-2DU 4x4 5355-2DU 4x4 5355-2DU 4x4 5355-2DU 4x4 5355-2HU 4x4 5355-3HU 4x4 5355-3HU 4x4 5355-3UU 4x4	Pentium E2200 Pentium E2200 Pentium E2220 Pentium E2220 Pentium E2220 Pentium E5200 Core 2 Duo E7400 Core 2 Duo E7500 Core 2 Duo E7500	2.20							D185	Prem 32 Prem 32 Prem 32 Prem 32 Prem 32 Prem 32 Prem 64 Prem 64 Prem 64 Prem 32 Prem 64 Prem 32 Prem 64 Prem 64 Prem 64	Oct 08 Nov 08 Jan 09 Jan 09 Jan 09 Jan 09 Sep 09 Sep 09 Nov 08 Mar 09 Feb 09 Sep 09	
	Lenovo Rescue	e Syste	m prov	rides OneKey rec	overy an	nd OneKey	Antivirus v	vithout booti	ng into l	Vindows		
Processor Implementation	Intel® Pentium® I with dual-core, It 800MHz system I E2200/E2220: 1I Intel Core™ 2 Du Intel 64 Technolog 1066MHz system Processor in FC-	ntel 64 ⁻ ous, MB L2 o IO Proc gy, Exe o bus, a	Techno cache; cessor cute Di nd 3MI	blogy, Execute Dis E5200/E5300: 2 E7400 or E7500 isable Bit, EIST, B L2 cache	• 6.9" W • 175mn • 20.1 lb	Dezel with glo X 16.1" D X n W X 409mr (9.1 kg) in m 5.25", 1.6" hig 8.0", 1" high	14.2" H n D X 36 nax conf nh, acces	60mm H iguration ss, sta	andard opti edia reader			
Memory	2GB, 3GB, or 4G Italics: stand Non-italics: stand	in both sockets; r	Bay 3 3 Bay 4 3	8.5", 1" high 8.5", 1" high 1 media reac	, no ac	ccess, sta	andard disk itional disk					

Slot 4: half-length, full-height, 32-bit PCI Ver 2.3 Graphics Intel Graphics Media Accelerator 3100 (GMA 3100). integrated graphics in G31, uses main memory, one 15-pin analog D-sub connector

dual-channel capable;

dual-channel capable

PC2-6400 800MHz DDR2, non-parity,

PC2-5300 667MHz DDR2, non-parity,

250GB, 320GB, 500GB, 640GB, or 1TB, SATA 3.0Gb/s, 7200 rpm SATA disk Serial ATA, SATA 3.0Gb/s, integrated in ICH7 Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive SATA controller SATA DVD±RW SATA cables Two SATA cables (each 1-drop to device), four SATA connectors EIDE controller None EIDE cables None Diskette drive None Media reader Some: 16-in-1 media reader

Intel G31 Express Chipset (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), Chipset Winbond® W83627DHG or ITE Tech® IT8718F Super I/O

Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0, one serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15) Front ports Rear ports

Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) High Definition (HD) audio, ALC662 codec Rear audio ports Audio

External speakers None Internal speaker None

10/100 ethernet on planar, Intel 82562GZ (PHY/MAC) Ethernet

Modem None Security chip None TV tuner None

Camera None 104-key standard keyboard (PS/2 connector) Optical Wheel Mouse (USB connector), 400 dpi Keyboard Mouse

Power supply 280 watts, universal, manual switch

Preloaded operating system²⁰ Some: Genuine Windows® Vista® Home Premium 32

Some: Genuine Windows Vista Home Premium 64

♦ Vista Basic logo

Preloaded applications⁵

- Lenovo® Rescue System Lenovo Healthcare Software (Premium 32-bit models only)
- Driver and Application Installation
 Trend Micro™ PC-cillin™ Internet Security
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- VeriFace™
- (Premium 32-bit models only) Corel® WinDVD® (DVD±RW)
- CyberLink Power2Go (DVD±RW)



Slot 1: half-length,full-height, PCI Express x16 Ver 1.1

Slot 2: half-length, full-height, PCI Express x1 Ver 1.1 Slot 3: half-length, full-height, PCI Express x1 Ver 1.1

Available at these retailers

- lenovo.com
- Fry's

Limited Warranty¹

1-year parts and labor

 Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts3, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)

Service upgrade options (in eligible locations):9

- 3-year Lenovo Onsite Repair 9x5 Next Business Day (43R8882) 24x7¹⁴ toll-free support for warranty
- issues during the warranty period via 877-453-6686

Slot x Type-model bay	Processor	GHz	L2 cache	Cores	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	TV tuner	Power supply	Win7 preload	Avail date
0893-1EU 4x4 0893-1FU 4x4				2 2	2GBx1 2GBx2	16-in-1 16-in-1			Radeon 3000 Radeon 3000				

- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
 These systems are Microsoft[®] Office 2010 Product Key Ready (O10PKR)

Processor Implementation	AMD® Athlon™ II X2 Processor 240 with dual-core, 4000MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 technology, integrated DDR3 memory controller, and 2MB L2 cache (1MB per core) Processor in Socket AM3	Tower • Black bezel with glossy finish • 6.9" W X 16.2" D X 14.2" H • 175mm W X 412mm D X 360mm H • 17.6 lb (8.0 kg), weight may vary by configuration
Memory	2GB or 4GB std, 4GB max ⁸ , dual-channel capable, PC3-8500 1066MHz DDR3, non-parity, two 240-pin DIMM sockets	Bay ① 5.25", 1.6" high, access, standard optical Bay ② N/A, N/A, N/A, media reader*
Graphics	ATI™ Radeon™ 3000, integrated graphics in 760G, uses main memory, DirectX® 10, ATI Avivo™, one analog VGA DB-15 connector, one HDMI connector, HDCP	Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk * Only for optional 16-in-1 media reader
SATA disk SATA controller SATA DVD±RW SATA cables EIDE controller EIDE cables Diskette drive Media reader	320GB or 1TB, SATA 3.0Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in SB710 Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), four SATA connectors None None None 16-in-1 media reader	Slot 1: half-length, full-height, PCI Express x16 Ver 2.0 Slot 2: half-length, full-height, PCI Express x1 Ver 2.0 Slot 3: half-length, full-height, PCI Express x1 Ver 20 Slot 4: half-length, full-height, 32-bit PCI Ver 2.3
Chipset	AMD 760G Chipset with HyperTransport 3.0 and PCI Express® 2.0 SB710 south bridge	support;
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Ethernet Modem Security chip	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5r Four USB 2.0, keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, HDMI) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) (HD) audio, Realtek® ALC662 codec None None 10/100 ethernet on planar, Realtek 8103EL None None	lanew
TV tuner Camera	None None	
Keyboard Mouse Power supply	104-key standard keyboard (PS/2 connector) Optical Wheel Mouse (USB connector) 180 watts, universal, manual switch	Limited Warranty¹ ⇒ 1-year parts and labor
- Some: Genuir	ne Windows® 7 Premium 32 • Lenovo® Rescue System • Driver and Application Installation	Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm) Service upgrade options (in eligible locations):³ • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) • 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686

Slot x Type-model bay	Pro- cessor	GHz	L2 cache	Memory ⁸ DIMI capac		SATA disk	SATA optical	Graphics	802.11 wireless	Modem	Power supply	Win7 preload	Avail date
3022-1AU 4x4	E5300	2.60	2MB	4GB (2, 2)	16-in-1	320GB ²	DVD±RW	GMA X4500		None	180w	Prem 64	Oct 09
3022-1BU 4x4	E5300	2.60	2MB	4GB (2, 2)	16-in-1	1TB	DVD ±RW	GMA X4500		None	180w	Prem 64	Oct 09
3022-1CU 4x4	E7500	2.93	3MB	4GB (2, 2)	16-in-1	500GB	DVD ±RW	GMA X4500		None	180w	Prem 64	Oct 09
3022-1KU 4x4	E7500	2.93	3MB	6GB (2, 2, 2	?) 16-in-1	640GB	DVD ±RW	GMA X4500		None	180w	Prem 64	Oct 09
3022-1DU 4x4	E7500	2.93	3MB	6GB (2, 2, 2	() 16-in-1	640GB	DVD ±RW	GMA X4500	11b/g ¹¹	None	180w	Prem 64	Oct 09
3022-1EU 4x4	Q8300	2.50	4MB	4GB (2, 2)	16-in-1	500GB	DVD ±RW	GMA X4500	Ü	None	280w	Prem 64	Oct 09
3022-1FU 4x4	Q8300	2.50	4MB	6GB (2, 2, 2	?) 16-in-1	640GB	DVD±RW	GMA X4500	11b/g	None	280w	Prem 64	Oct 09

• Lenovo Rescue System provides OneKey recovery without booting into Windows

Processor Implementation	Intel® Pentium® Processor E5300 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB L2 cache or Intel Core 2 Duo™ Processor E7500 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 1066MHz system bus, and 3MB L2 cache or Intel Core 2 Quad Processor Q8300 with quad-core (dual-core on dual-die), Intel 64 Technology, Execute Disable Bit, EIST, 1333MHz system bus, and 4MB L2 cache Processor in FC-LGA6 package in LGA775 socket	• 6.9" W X 16. • 175mm W X • 20.1 lb (9.1 k Bay ① 5.25", 1 Bay ② 3.0", Bay ③ 3.5",	with glossy finish 1" D X 14.2" H 409mm D X 360mm H cg) in max configuration 1.6" high, access, standard optical 1" high, access, 16-in-1 media reader 1" high, no access, standard disk 1" high, no access, optional disk
Memory	4GB or 6GB std, 8GB max ⁸ , PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, four 240-pin DIMM sockets	Slot 1: half-len	gth,full-height, PCI Express x16 Ver 2.0 gth,full-height, PCI Express x1 Ver 2.0*
Graphics	Intel Graphics Media Accelerator X4500 (GMA X4500), integrated graphics in G43, uses main memory, DirectX® 10, one 15-pin analog VGA DB-15 connector	Slot 3: half-len Slot 4: half-len	gth, full-height, PCI Express x1 Ver 2.0 gth, full-height, 32-bit PCI Ver 2.3 pter in slot in some models
SATA disk SATA controller SATA DVD±RW SATA cables EIDE controller EIDE cables Diskette drive Media reader Chipset	320GB, 500GB, 640GB, or 1TB, SATA 3.0Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in ICH10R Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), five SATA connectors None None None 16-in-1 media reader Intel G43 Express Chipset (PCI Express® 2.0 x16), I/O Controller I [ICH10R] (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, U		Jenev:
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Wireless Ethernet Modem Security chip	bus), SMSC® SCH5147-NW Super I/O Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5ix USB 2.0, one serial (9-pin), keyboard (PS/2), mouse (PS/2), eth monitor (DB-15) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stringh Definition (HD) audio, ALC662 codec None None None Some: 11b/g wireless⁴, Broadcom BCM4312, PCIe x1 adapter 10/100 ethernet on planar, Realtek® RTL8102E None None	ernet (RJ-45),	The state of the s
TV tuner Camera	None None		Limited Warranty¹
Keyboard Mouse Power supply	Full-size keyboard (PS/2 connector), Fn keys, black Optical Wheel Mouse (USB connector), 1000 dpi, black Some: 180 watts, universal, manual switch Some: 280 watts, universal, manual switch		 Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
Preloaded opera - Genuine Windo Home Premiun	ows® 7 • Lenovo® OneKey Recovery		 ⇒ Service upgrade options (in eligible locations):⁹ 3-year Lenovo Onsite Repair 9x5 Next Business Day (43R8882) ≥ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686

See footnotes for important warranty information US models announced October 23, 2009; US models withdrawn effective April 2010

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Slot x Type-model bay	Pro- cessor	GHz	Cache	Memory	/ ⁸ DIMM capacity	Media reader	SATA disk	SATA optical	Graphics	802.11 wireless	Modem	Power supply	Win7 preload	Avail date
4041-1BU 2x3	i3-540	3.06	4MB	4GB	(2, 2)	8-in-1	500GB ²	DVD±RW	Intel HD	11b/g/n ²⁸	None	180W	Prem 64	Jun 10
4041-1CU 2x3	i3-540	3.06			(2, 2, 2)	8-in-1	640GB	DVD±RW	Intel HD	11b/g/n	None	180W	Prem 64	Jun 10
4041-1DU 2x3	i3-550	3.20	4MB	4GB	(2, 2)	8-in-1	1TB	DVD±RW	Intel HD	11b/g/n	None	180W	Prem 64	Aug 10
4041-1JU 2x3	i3-550	3.20	4MB	4GB	(2, 2)	8-in-1	1TB	DVD±RW	Intel HD	11b/g/n	None	180W	Prem 64	Mar 11

- Lenovo Rescue System provides OneKey recovery without booting into Windows
- These systems are Microsoft Office 2010 Product Key Ready (O10PKR)

Processor Implementation	Intel® Core™ i3 Processor i3-540 or i3-550 with dual-core, Intel 64, Hyper-Threading Technology, integrated 1333MHz DDR3 memory controller, 4MB cache Processor in LGA1156 socket	• 3.9" W X 15	Factor with glossy finish 5.7" D X 11.5" H X 400mm D X 293mm H
Memory	4GB or 6GB std , 8GB max ⁸ , PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, four 240-pin DIMM sockets	• 21.5 lb (9.7	5 kg) vary by configuration
Graphics	Intel HD Graphics, integrated graphics in processor, uses main memory, DirectX® 10, one 15-pin analog VGA DB-15 connector, one HDMI connector, HDCP	Bay ② 3.3", Bay ③ 3.5",	1.6" high, access, standard optical 0.6" high, access, 8-in-1 media reader 1" high, no access, standard disk
SATA disk SATA controller SATA DVD±RW SATA cables EIDE controller EIDE cables Diskette drive Media reader	500GB, 640GB or 1TB, SATA 3.0Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in chipset Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), two SATA connectors None None None 8-in-1 media reader	Slot 2: half-le	ength, Low Profile, PCI Express x16 Ver 2.0 ength, Low Profile, PCI Express x1 Ver 2.0* lapter in slot in some models
Chipset	Intel H55 Express Chipset		
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Wireless Ethernet Modem Security chip TV tuner	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5r Four USB 2.0, keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15, HDMI) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (sterligh Definition (HD) audio, ALC662 codec None None 11b/g/n wireless ⁴ , PCle x1 adapter Gigabit ethernet on planar, intel 82578DC None None None	,	
Camera	None		
Keyboard Mouse Power supply	Full-size keyboard (PS/2 connector), Fn keys, black Optical Wheel Mouse (USB connector), black 180 watts, universal, manual switch		Limited Warranty¹
Preloaded oper: - Genuine Wind: Home Premiur	ows® 7 * Lenovo® OneKey Recovery	m	parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) Service upgrade options (in eligible locations): • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686

See footnotes for important warranty information US models announced June 11 or August 25, 2010 or March 23, 2011 US models withdrawn effective November 2011

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(RD1-1) November 2011

Slot x Type-model bay	GHz	Max turbo (GHz)	Memory	/ ⁸ DIMM capacity	SATA disk	SATA optical	Graphics	802.11 wireless	Modem	Power supply	Win7 preload	Avail date
4041-1EU 2x3 4041-1FU 2x3		3.46	4GB 6GB		500GB ² 640GB	DVD±RW Blu-ray	Intel HD GeForce 310	None None	None None		Prem 64 Prem 64	

• Lenovo Rescue System provides OneKey recovery without booting into Windows

Processor Implementation	Intel® Core™ i3 Processor i3-540 with dual-core, Intel 64, Hyper-Threading Technology, integrated 1333MHz DDR3 memory controller, 4MB cache or Intel Core i5 processor i5-650 with dual-core, intel 64, Hyper-Threading Technology, Turbo Boost Technology, TXT, integrated 1333MHz DDR3 memory controller, and 4MB cache Processor in LGA1156 socket		th glossy finish D X 11.5" H 00mm D X 293mm H g) vary by configuration
Memory	4GB or 6GB std, 8GB max ⁸ , PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, four 240-pin DIMM sockets	Bay 2 3.3", 0.0	
Graphics	Some: Intel HD Graphics, integrated graphics in processor, uses main memory, DirectX® 10, one 15-pin analog VGA DB-15 connector, one HDMI connector, HDCP Some: NVIDIA® GeForce® 310, PCI Express® x16, 512MB, DirectX 10.1, NVIDIA PureVideo®, NVIDIA CUDA™, one analog VGA DB-15 connector, one HDMI connector, HDCP	Slot 2: half-lengt * Wireless adap	th, Low Profile, PCI Express x16 Ver 2.0** th, Low Profile, PCI Express x1 Ver 2.0* pter in slot in some models ter in slot in some models
SATA disk SATA controller SATA optical	500GB or 640GB, SATA 3.0Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in chipset Some: Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Some: Blu-ray™ Disc reader (no Blu-ray media burning), BD-ROM, DVD and CD recordable Two SATA cables (each 1-drop to device), two SATA connectors		arm.
EIDE controller EIDE cables Diskette drive Media reader	None None None None None 8-in-1 media reader		
Chipset	Intel H55 Express Chipset		
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Wireless Ethernet Modem Security chip	None None Gigabit ethernet on planar, Intel 82578DC None None		
TV tuner Camera	None None		Limited Warranty ¹
Keyboard Mouse Power supply	Full-size keyboard (PS/2 connector), Fn keys, black Optical Wheel Mouse (USB connector), black Some: 180 watts, universal, manual switch Some: 250 watts, universal, auto-sensing		1-year parts and labor Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts ³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays,
Preloaded opera - Genuine Windo Home Premiun	ows® 7 • Lenovo® OneKey Recovery) ~	next business day response time) Service upgrade options (in eligible locations): • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686

Slot Type-model bay	x Pro- / cessor	GHz	Max turbo (GHz)	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	802.11 wireless	USB3.0	Power supply		Win7 preload	Avail date
7780-1PU 2x:		3.10 2.60		2GBx2				Intel HD Graphics Intel HD Graphics						
7780-1NU 2x	3 G620	2.60		2GBx2	8-in-1	1TB	$DVD\pm RW$	Intel HD Graphics	11b/g/n	None	180W	PS/2 / USB	Prem 64	Jul 11
7780-4FU 2x: 7780-3FU 2x:								Intel HD Graphics Intel HD Graphics						
7780-5PU 2x: 7780-5QU 2x:			3.30	4GBx1 4+2GB				Intel HD Graphics Intel HD Graphics						

- Lenovo Rescue System provides OneKey recovery without booting into Windows
 These systems are Microsoft[®] Office 2010 Product Key Ready (O10PKR)

Processor	Intel® Pentium® G620 Processor (2 cores / 2 threads, 2.60 GHz, 3M Cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Intel Core™ i3-2100 Processor (2 cores / 4 threads, 3.10 GHz, 3M Cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller Intel Core i3-2120 Processor (2 cores / 4 threads, 3.30 GHz, 3M Cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller Intel Core i5-2320 Processor (4 cores / 4 threads, 3.00 GHz, 6M Cache), Turbo Boost Technology 2.0 (up to 3.30 GHz), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller Processor in LGA1155 socket	Small Form Factor • Black bezel with glossy finish • 3.9" W X 15.7" D X 11.5" H • 100mm W X 400mm D X 293mm H • 21.5 lb (9.75 kg) vary by configuration Bay ① 5.25", 1.6" high, access, standard optical Bay ② 3.3", 0.6" high, access, 8-in-1 media reader Bay ③ 3.5", 1" high, no access, standard disk Slot 1: half-length, Low Profile, PCI Express x16 Ver 2.0** * Wireless adapter in slot in some models ** Graphics adapter in slot in some models
Memory	8GB max ⁸ , PC3-10600 1333MHz DDR3 *, non-parity, dual-channel capable, two 240-pin DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller	
Graphics	Intel HD Graphics, integrated graphics in processor, uses main memory, DirectX® 10, one analog VGA DB-15 connector, one HDMI connector, HDCP-compliant (only for i3/i5/i7 models)	
SATA disk SATA controller SATA optical SATA cables EIDE controller EIDE cables Diskette drive Media reader	500GB, 1TB, or 1.5TB, SATA 3.0Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in chipset Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), two SATA connectors None None None 8-in-1 media reader	
Chipset	Intel H61 Express Chipset	75 X
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Wireless Ethernet Modem Security chip	None 11b/g/n wireless ⁴ , PCIe x1 adapter Gigabit ethernet on planar, Intel 82579V None None	3.5mm)
TV tuner Camera	None None	Limited Warranty ¹
Mouse Power supply Preloaded opera - Genuine Windo Home Premium Preloaded appli • Lenovo® OneK • Driver and App • McAfee® Virus& (60 days of viru	 Lenovo Eye Distance System Cyberlink PowerDVD (DVD±RW) CyberLink Power2Go (DVD±RW) Windows Live Essentials Microsoft® Office 2010 preloaded; purchase product key to activate 	 2 1-year parts and labor Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) Service upgrade options (in eligible locations):³ 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686

Slot x Type-model bay	GHz	Max turbo (GHz)	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	802.11 wireless	USB3.0	Keyboard/ Mouse	Win7 preload	Avail date
7780-1HU 2x3 7780-1JU 2x3		3.70	4GBx2 4+2GB		1TB ² 500GB	Blu-ray DVD±RW	Radeon HD 6450 Intel HD Graphics			PS/2 / USB PS/2 / USB		Jun 11 Jun 11
7780-4JU 2x3			4GBx1	8-in-1	1TB		Intel HD Graphics					
7780-4KU 2x3		3.30	4GBx2		2TB	Blu-ray	Radeon HD 6570					
7780-4LU 2x3 7780-4MU 2x3		3.30 3.70	4GBx2 4GBx2		2TB 2TB	DVD±RW Blu-ray	Intel HD Graphics Radeon HD 6570					

- Lenovo Rescue System provides OneKey recovery without booting into Windows
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Intel® Core™ i3-2120 Processor (2 cores / 4 threads, 3.30 GHz, 3MB Cache), integrated Intel HD Graphics 2000, Processor integrated 1333MHz dual-channel DDR3 memory controller Intel Core i5-2320 Processor (4 cores / 4 threads, 3.00 GHz, 6M Cache), Turbo Boost Technology 2.0 (up to 3.30 GHz), integrated Intel HD Graphics 2000 integrated 1333MHz dual-channel DDR3 memory controller Intel Core i5-2500 Processor (4 cores / 4 threads, 3.30 GHz, 6MB Cache), Turbo Boost Technology 2.0 (up to 3.70 GHz), integrated Intel HD Graphics 2000. integrated 1333MHz dual-channel DDR3 memory controller Intel Core i7-2600 Processor (4 cores / 8 threads, 3.40 GHz, 8M Cache), Turbo Boost Technology 2.0 (up to 3.80 GHz), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller Processor in LGA1155 socket

Small Form Factor

- Black bezel with glossy finish
- 3.9" W X 15.7" D X 11.5" H 100mm W X 400mm D X 293mm H
- 21.5 lb (9.75 kg) vary by configuration

standard optical 8-in-1 media reader

Slot 1: half-length, Low Profile, PCI Express x16 Ver 2.0** Slot 2: half-length, Low Profile, PCI Express x1 Ver 2.0*

- Wireless adapter in slot in some models
- Graphics adapter in slot in some models



Full-size keyboard (PS/2 connector), Fn keys, black Full-size keyboard (USB connector), Fn keys, black

Optical Wheel Mouse (USB connector), black

Some: 250 watts, universal, auto-sensing

180 watts, universal, manual switch



Preloaded operating system²⁰ - Genuine Windows® 7

None

Some:

Some:

Some:

Home Premium 64

Camera

Mouse

Keyboard

Power supply

Preloaded applications⁵

- Lenovo® OneKey Recovery
- Driver and Application Installation McAfee® VirusScan® Plus (60 days of virus definitions)
- Lenovo Dynamic Brightness System
- Lenovo Eye Distance System
- Cyberlink PowerDVD (DVD±RW, Blu-ray)
- CyberLink Power2Go (DVD±RW, Blu-ray)
- Windows Live Essentials
 Microsoft® Office 2010 preloaded; purchase product key to activate

- 1-year parts and labor
- Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts3, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) Service upgrade options
- (in eligible locations):
 - 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552)
 - 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553)
- 24x7¹⁴ toll-free support for warranty issues during the warranty period via 877-453-6686



Lenovo C340/C440



Lenovo C340/C440



Lenovo C340/C440



Lenovo C340/C440



Lenovo C340/C440

			Wide-							PCle Mini						
Part number	Processor	Memory	screen display	Touch screen			SATA disk	Color	TV tuner	Card 802.11	Remote control		USB3.0	HDMI-out	Keyboard/ Mouse	Win8 preload
57311576	i5-3330S	4GBx2	20.0" HD+	None	720p	HD 2500	1TB	Black	None	11b/g/n ²⁸	None	120W	USB3.0	HDMI-out	USB/Black	Win8 64
57311577	G540	4GBx1	20.0" HD+	None	720p	Intel HD	1TB	White	None	11b/g/n	None	120W	USB3.0	HDMI-out	USB/White	Win8 64
57311578	G540	4GBx1	20.0" HD+	None	720p	Intel HD	500GB	Black	None	11b/g/n	None	120W	USB3.0	HDMI-out	USB/Black	Win8 64
57311574	i3-3220	4+2GB	20.0" HD+	None	720p	HD 2500	1TB	Black	None	11b/g/n	None	120W	USB3.0	HDMI-out	USB/Black	Win8 64

- All-In-One design with 20.0" 16:9 wide screen
- Stereo speakers supporting Dolby Advanced Audio V2
- Share media on any device from anywhere through Lenovo Cloud
 Stable full-metal stand with 5° forward / 25° backward viewing angle adjustment

Processor	Intel® Celeron® G540 processor (2 cores / 2 threads, 2.50GHz, 2MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Intel Core™ i3-3220 processor (2 cores / 4 threads, 3.30GHz, 3MB cache), integrated Intel HD Graphics 2500, DDR3 memory controller (up to 1600MHz) Intel Core i5-3330S processor (4 cores / 4 threads, 2.70GHz, 6MB cache), integrated Intel HD Graphics 2500, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz)	Preloaded operating system ²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) - Traditional Desktop apps • Lenovo® Rescue System • Lenovo Cloud Storage by SugarSync • Driver and Application Installation
Memory	8GB max ⁷ / non-parity, PC3-12800 1600MHz DDR3 *, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller	Lenovo Dynamic Brightness System Lenovo Eye Distance System
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 500GB (7200 rpm) or 1TB (7200 rpm), SATA 3.0Gb/s, 3.5" wide	McAfee® Internet Security (30-Day Trial)
Widescreen display Multi-touch Camera Controls	20.0" (508mm) HD+ (1600x900) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio None HD720p Camera on top of screen, 1.0-megapixel, fixed focus Power on/off, menu, left, right, and display on/off buttons	Adobe® Reader® Nitro PDF CyberLink YouCam CyberLink PowerDVD (DVD±RW) CyberLink Power2Go (DVD±RW) Dolby Advanced Audio V2
Graphics	Intel HD Graphics or Intel HD Graphics 2500, integrated graphics in processor, uses main memory	Microsoft Office preloaded; purchase product key to activate
Chipset Multicard reader Ports	Intel H61 Express Chipset 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity, Secure Digital Extended Capacity) Rear: Four USB 2.0, ethernet (RJ-45), optional TV tuner connector on models equipped with TV tuner, optional HDMI-out	Education Portal Windows Store apps (Metro-style) Lenovo Support AccuWeather eBay Foreste
PCIe Mini Card 11b/g/n ²⁸	Side: Two USB 2.0 or optional USB 3.0 Two PCIe Mini Card slots (one full size and one half size) 11b/g/n wireless ⁴ , PCIe half Mini Card, Broadcom® BCM94313, Realtek® RTL8188CE, or Atheros® AR9485	Evernote Amazon Kindle Rara Streaming Lenovo Companion
TV tuner Bluetooth™ Modem Ethernet	None None None Gigabit ethernet on planar, Realtek RTL8111F	120-watt AC adapter ENERGY STAR® qualified RoHS-compliant
Audio support	High Definition (HD) Audio, Realtek ALC272 codec / Dolby® Advanced Audio™ v2 certified / two stereo speakers (3 watt x 2) / internal mono microphone, audio-in/microphone jack (3.5 mm), headphone jack (3.5 mm)	Limited Warranty¹²
Security Keyboard	Power-on password, administrator password, security lockhole Some: USB full-size keyboard, black	parts only (with limited onsite service for selected parts ²³ ,
Mouse	Some: USB full-size keyboard, white Some: USB Optical Wheel Mouse, black Some: USB Optical Wheel Mouse, white	8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
Remote control	None	⇒ Service upgrade options
Dimensions ³ Weight ² Chassis Stand	(WxHxD) including stand: 19.65" x 15.63" x 7.72"; 499.0mm x 397.0mm x 196.0mm From 13.1lb (5.94kg), vary by configuration Front bezel: black color; back bezel: black color Easily adjustable stand (5° forward / 25° backward viewing angle adjustment)	(in eligible locations):9 • 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1553) ≈ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

Part number	Pro- cessor	Memory	Wide- screen display	Touch screen		Graphics	SATA disk	SATA optical	Color	TV tuner	PCIe Mini Card 802.11	USB3.0	HDMI-out	Keyboard/ Mouse	Win8 preload
57308750	E2-1800	4GBx1	20.0" HD+	None	720p	HD 7340	500GB	DVD±RW	Black	None	11b/g/n ²⁸	USB3.0	HDMI-out	USB/Black	Win8 64
57312396	E2-1800	4GBx1	20.0" HD+	None	720p	HD 7340	1TB	DVD±RW	Black	None	11b/g/n	USB3.0	HDMI-out	USB/Black	Win8 64

- All-In-One design with 20.0" 16:9 wide screen

- Stereo speakers supporting Dolby Advanced Audio V2
 Share media on any device from anywhere through Lenovo Cloud
 Stable full-metal stand with 5° forward / 25° backward viewing angle adjustment

Processor	AMD Accelerated Processor E2-1800 (2 cores, 1.70GHz, 1MB L2 cache), integrated AMD Radeon HD 7340 Graphics, integrated DDR3 memory controller (up to 1333MHz)	Preloaded operating system ²⁰ - Windows® 8 64-bit - Preloaded applications¹⁴ (only some
Memory	8GB max ⁷ / non-parity, PC3-12800 1600MHz DDR3 *, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	listed) Lenovo® Rescue System
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 500GB (7200 rpm) or 1TB (7200 rpm), SATA 6.0Gb/s, 3.5" wide	Lenovo Cloud Storage by SugarSyncDriver and Application Installation
Widescreen display Multi-touch Camera Controls	20.0" (508mm) HD+ (1600x900) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio None HD720p Camera on top of screen, 1.0-megapixel, fixed focus Power on/off, menu, left, right, and display on/off buttons	Lenovo Dynamic Brightness System Lenovo Eye Distance System McAfee® Internet Security (30-Day Trial) Adobe® Reader® Nitro PDF
Graphics	AMD Radeon HD 7340 graphics, integrated graphics in processor, uses main memory, DirectX [®] 11	CyberLink YouCamCyberLink PowerDVD (DVD±RW)
Chipset Multicard reader Ports	AMD A68 FCH 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity, Secure Digital Extended Capacity) Rear: Four USB 2.0, ethernet (RJ-45), optional TV tuner connector on models equipped with TV tuner, optional HDMI-out Side: Two USB 3.0	CyberLink Power2Go (DVD±RW) Dolby Advanced Audio V2 Microsoft Office preloaded; purchase product key to activate Education Portal Lenovo Support
PCIe Mini Card 11b/g/n²8 TV tuner Bluetooth™ Modem	Two PCIe Mini Card slots (one full size and one half size) 11b/g/n wireless ⁴ , PCIe half Mini Card, Broadcom® BCM94313, Realtek® RTL8188CE, or Atheros® AR9485 None None None	AccuWeather eBay Evernote Amazon Kindle Rara Streaming Lenovo Companion
Ethernet Audio support	Gigabit ethernet on planar, Realtek RTL8111F High Definition (HD) Audio, Realtek ALC272 codec / Dolby® Advanced Audio™ v2 certified / two stereo speakers (3 watt x 2) / internal mono microphone, audio-in/microphone jack (3.5 mm), headphone jack (3.5 mm)	90-watt AC adapter ENERGY STAR® qualified RoHS-compliant
Security Keyboard Mouse Remote control	Power-on password, administrator password, security lockhole USB full-size keyboard, black USB Optical Wheel Mouse, black None	Limited Warranty ¹²
Dimensions ³ Weight ² Chassis Stand	(WxHxD) including stand: 19.65" x 15.63" x 7.72"; 499.0mm x 397.0mm x 196.0mm From 10.78lb (4.89kg), vary by configuration Front bezel: black or white color; back bezel: black or white color Easily adjustable stand (5° forward / 25° backward viewing angle adjustment)	service for selected parts ²³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) Service upgrade options (in eligible locations): ³ • 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1553) Service 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686

			Wide-							PCIe Mini						
Part number	Drocesso	r Memory	screen			Graphics	SATA	Color	TV	Card 802 11	Remote		IISB3 0	HDMI-out	Keyboard/ Mouse	Win8 preload
- art mannoci	11000330	i incinci	alopiay	00.00	Cia	Grapinos	u.o.c	00101	turior	002.11	COILLIOI	adapter	0000.0	TIDIMI OUL	WIOUSE	preioau
57309182	G645	4GBx1	21.5" FHD	None	720p	Intel HD	500GB8	Black	None	11b/g/n ²⁸	None	120W	None	HDMI-out	USB/Black	Win8 64
57310067	G645	4GBx1	21.5" FHD	None	720p	Intel HD	1TB	Black	None	11b/g/n ²⁸	None	120W	None	HDMI-out	USB/Black	Win8 64

- All-In-One design with 21.5" 16:9 wide screen

- Stereo speakers supporting Dolby Advanced Audio V2
 Share media on any device from anywhere through Lenovo Cloud
 Stable full-metal stand with 5° forward / 25° backward viewing angle adjustment

Processor	Intel® Pentium® G645 processor (2 cores / 2 threads, 2.90GHz, 3MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller	Preloaded operating system ²⁰ - Windows® 8 64-bit
Memory	8GB max ⁷ / non-parity, PC3-12800 1600MHz DDR3 *, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller	Preloaded applications ¹⁴ (only some listed) - Traditional Desktop apps
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 500GB (7200 rpm) or 1TB (7200 rpm), SATA 3.0Gb/s, 3.5" wide	Lenovo® Rescue System Lenovo Cloud Storage by SugarSync
Widescreen display Multi-touch Camera Controls	21.5" (546.1mm) Full HD (1920x1080 WUXGA) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio None HD720p Camera on top of screen, 1.0-megapixel, fixed focus Power on/off, menu, left, right, and display on/off buttons	 Driver and Application Installation Lenovo Dynamic Brightness System Lenovo Eye Distance System McAfee® Internet Security (30-Day Trial) Adobe® Reader®
Integrated graphics	Intel HD Graphics in processor, DirectX® 10, uses main memory	Nitro PDF CyberLink YouCam
Chipset Multicard reader Ports	Intel H61 Express Chipset 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity, Secure Digital Extended Capacity) Rear: Four USB 2.0, ethernet (RJ-45), optional TV tuner connector on models equipped with TV tuner, optional HDMI-out	CyberLink PowerDVD (DVD±RW) CyberLink Power2Go (DVD±RW) Microsoft Office preloaded; purchase product key to activate Education Portal
PCle Mini Card 11b/g/n²8 TV tuner Bluetooth™ Modem Ethernet	Side: Two USB 2.0 or optional USB 3.0 Two PCIe Mini Card slots (one full size and one half size) 11b/g/n wireless ⁴ , PCIe half Mini Card, Broadcom® BCM94313, Realtek® RTL8188CE, or Atheros® AR9485 None None None Gigabit ethernet on planar, Realtek RTL8111F	- Windows Store apps (Metro-style) • Lenovo Support • AccuWeather • eBay • Evernote • Amazon Kindle • Rara Streaming • Lenovo Companion
Audio support Security	High Definition (HD) Audio, Realtek ALC272 codec / Dolby® Advanced Audio™ v2 certified / two stereo speakers (3 watt x 2) / internal mono microphone, audio-in/microphone jack (3.5 mm), headphone jack (3.5 mm) Power-on password, administrator password, security lockhole	120-watt AC adapter ENERGY STAR® qualified RoHS-compliant
Keyboard Mouse Remote control	USB full-size keyboard, black USB Optical Wheel Mouse, black None	Limited Warranty¹²
Dimensions ³ Weight ² Chassis Stand	(WxHxD) including stand: 20.95" x 16.02" x 7.72"; 532.0mm x 407.0mm x 196.0mm From 14.2lb (6.44kg), vary by configuration Front bezel: black color; back bezel: black color Easily adjustable stand (5° forward / 25° backward viewing angle adjustment)	Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts ²³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) Service upgrade options (in eligible locations): • 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1553) ≈ 24x7¹⁵ toll-free support for warranty issues during the warranty period¹² yia 877-453-6686

			Wide-							PCIe Mini						
Part _.	Pro-		screen	Touch	Cam-		SATA		TV	Card	Remote	AC			Keyboard/	Win8
number	cessor	Memory	display	screen	era	Graphics	disk	Color	tuner	802.11	control	adapter	USB3.0	HDMI-out	Mouse	preload
57312695	G2020	4GBx1	23" FHD	None	720p	Intel HD	1TB ⁸	Black	None	11b/g/n ²⁸	None	120W	None	HDMI-out	USB/Black	Win8 64

- All-In-One design with 23" 16:9 wide screen
- Dolby Advanced Audio v2 certified audio system with stereo speakers (3 watt x 2)
 Share media on any device from anywhere through Lenovo Cloud
- Stable full-metal stand with 5° forward / 25° backward viewing angle adjustment

Processor	Intel® Pentium® G2020 processor (2 cores / 2 threads, 2.90GHz, 3MB cache), integrated Intel HD Graphics, DDR3 memory controller (up to 1333MHz)	Preloaded operating system ²⁰ - Windows® 8 64-bit
Memory	8GB max ⁷ / non-parity, PC3-12800 1600MHz DDR3 *, two 204-pin SO-DIMM sockets, dual-channel capable * System automatically clocks down for processors with 1333MHz DDR3 memory controller	Preloaded applications ¹⁴ (only some listed) - Traditional Desktop apps
SATA DVD±RW SATA disk SATA controller	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 1TB (7200 rpm), SATA 6.0Gb/s, 3.5" wide Serial ATA, SATA 3.0Gb/s support, integrated in chipset	Lenovo® Rescue System Lenovo Cloud Storage by SugarSync Driver and Application Installation
Widescreen display Multi-touch Camera Controls	23.0" (584.2mm) Full HD (1920x1080 WUXGA) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio None HD720p Camera on top of screen, fixed focus Power on/off, menu, left, right, and display on/off buttons	Lenovo Dynamic Brightness System Lenovo Eye Distance System McAfee® Internet Security (30-Day Trial) Adobe® Reader® Nitro PDF
Graphics	Intel HD Graphics in processor, DirectX® 10.1, uses main memory	CyberLink YouCam
Chipset Multicard reader Ports	Intel H61 Express Chipset 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity, Secure Digital Extended Capacity) Rear: Four USB 2.0, ethernet (RJ-45), optional TV tuner connector on models equipped with TV tuner, optional HDMI-out Side: Two USB 2.0 (Two USB 3.0 on some models)	CyberLink PowerDVD (DVD±RW) CyberLink Power2Go (DVD±RW) Microsoft Office preloaded; purchase product key to activate Education Portal Windows Store apps (Metro-style) Lenovo Support
PCIe Mini Card 11b/g/n² ⁸ TV tuner Bluetooth™ Modem Ethernet Audio support	Two PCIe Mini Card slots (one full size and one half size) 11b/g/n wireless⁴, PCIe half Mini Card, Realtek® RTL8188CE or Atheros® AR9485 None None None Gigabit ethernet on planar, Realtek RTL8111F High Definition (HD) Audio, Realtek ALC272 codec / Dolby® Advanced Audio™ v2 certified / two stereo speakers (3 watt x 2) / internal mono microphone, audio-in/microphone jack (3.5 mm)	AccuWeather eBay Evernote Amazon Kindle Rara Streaming Lenovo Companion
Security	mm), headphone jack (3.5 mm) Power-on password, administrator password, security lockhole	120-watt AC adapter ENERGY STAR® qualified
Keyboard	USB full-size keyboard, black	RoHS-compliant
Mouse Remote control Touchpad	USB Optical Wheel Mouse, black None None	Limited Warranty¹²
Dimensions ³ Weight ² Chassis Stand	(WxHxD) including stand: 22.28" x 16.81" x 7.76"; 566mm x 427mm x 197mm From 15.9lb (7.23kg), vary by configuration Front bezel: black or white color; back bezel: black or white color, matches front color Easily adjustable stand (5° forward / 25° backward viewing angle adjustment)	Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts²³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) Service upgrade options (in eligible locations):³ ¹ ²-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552) ³-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1553) ² ² ² ² ² ² ² ² ² ² ² ² ² ² ² ² ² ² 3 4 3 4 3 3 3 3 3 3 3 3 3 3 4 3 4 3

Wide-							PCle Mini									
Part number	Pro- cessor	Memory	screen display	Touch screen		Graphics	SATA disk	Color	TV tuner	Card 802.11	Remote control	AC adapter	USB3.0	HDMI-out	Keyboard/ Mouse	Win8 preload
57313093	i3-3220	4+2GB	23" FHD	None	720p	Intel HD 2500	1TB ⁸	Black	TV	11b/g/n ²⁸	Remote	120W	USB3.0	HDMI-out	USB/Black	Win8 64
57313703	i3-3220	4+2GB	23" FHD	None	720p	Intel HD 2500	1TB	Black		11b/g/n		120W	USB3.0	HDMI-out	USB/Black	Win8 64
57313699	i5-3330S	4GBx2	23" FHD	None	720p	Intel HD 2500	2TB	Black		11b/g/n		120W	USB3.0	HDMI-out	USB/Black	Win8 64

- All-In-One design with 23" 16:9 wide screen
 Dolby Advanced Audio v2 certified audio system with stereo speakers (3 watt x 2)
 Share media on any device from anywhere through Lenovo Cloud
- Stable full-metal stand with 5° forward / 25° backward viewing angle adjustment

Processor	Intel® Core™ i3-3220 processor (2 cores / 4 threads, 3.30GHz, 3MB cache), integrated Intel HD Graphics 2500, DDR3 memory controller (up to 1600MHz)	Preloaded operating system ²⁰ - Windows® 8 64-bit
	Intel Core i5-3330S processor (4 cores / 4 threads, 2.70GHz, 6MB cache), Turbo Boost Technology 2.0 (up to 3.20 GHz), integrated Intel HD Graphics 2500, DDR3 memory controller (up to 1600MHz)	Preloaded applications ¹⁴ (only some listed) - Traditional Desktop apps
Memory	8GB max ⁷ / non-parity, PC3-12800 1600MHz DDR3 *, two 204-pin SO-DIMM sockets, dual-channel capable * System automatically clocks down for processors with 1333MHz DDR3 memory controller	Lenovo® Rescue System Lenovo Cloud Storage by SugarSync Driver and Application Installation
SATA DVD±RW SATA disk SATA controller	DVD burner, dual-layer support, fixed, removable, 12.7mm, tray-in 1TB (7200 rpm) or 2TB (7200 rpm), SATA 6.0Gb/s, 3.5" wide Serial ATA, SATA 3.0Gb/s support, integrated in chipset	Lenovo Dynamic Brightness System Lenovo Eye Distance System McAfee® Internet Security
Widescreen display Multi-touch Camera Controls	23.0" (584.2mm) Full HD (1920x1080 WUXGA) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio None HD720p Camera on top of screen, fixed focus Power on/off, menu, left, right, and display on/off buttons	(30-Day Trial) • Adobe® Reader® • Nitro PDF • CyberLink YouCam • CyberLink PowerDVD (DVD±RW) • CyberLink Power2Go (DVD±RW)
Graphics	Intel HD Graphics 2500 in processor, DirectX® 11, uses main memory	Microsoft Office preloaded;
Chipset Multicard reader Ports	Intel H61 Express Chipset 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity, Secure Digital Extended Capacity) Rear: Four USB 2.0, ethernet (RJ-45), optional TV tuner connector on models equipped with TV tuner, optional HDMI-out Side: Two USB 2.0 (Two USB 3.0 on some models)	purchase product key to activate
PCIe Mini Card 11b/g/n ²⁸ TV tuner Bluetooth™	Two PCIe Mini Card slots (one full size and one half size) 11b/g/n wireless ⁴ , PCIe half Mini Card, Realtek® RTL8188CE or Atheros® AR9485 Some: ATSC TV tuner, PCIe Mini Card None	EvernoteAmazon KindleRara StreamingLenovo Companion
Modem Ethernet Audio support	None Gigabit ethernet on planar, Realtek RTL8111F High Definition (HD) Audio, Realtek ALC272 codec / Dolby® Advanced Audio™ v2 certified / two stereo speakers (3 watt x 2) / internal mono microphone, audio-in/microphone jack (3.5	120-watt AC adapter ENERGY STAR® qualified RoHS-compliant
Security	mm), headphone jack (3.5 mm) Power-on password, administrator password, security lockhole	Limited Warranty ¹²
Keyboard Mouse Remote control Touchpad	USB full-size keyboard, black USB Optical Wheel Mouse, black Some: Remote control, via IR, black None	Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts ²³ , 8 am - 5 pm, Mon - Fri coverage
Dimensions ³ Weight ² Chassis Stand	(WxHxD) including stand: 22.28" x 16.81" x 7.76"; 566mm x 427mm x 197mm From 15.9lb (7.23kg), vary by configuration Front bezel: black or white color; back bezel: black or white color, matches front color Easily adjustable stand (5° forward / 25° backward viewing angle adjustment)	excluding holidays, next business day response time) Service upgrade options (in eligible locations): 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552) 3-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1553) 24x7¹6 toll-free support for warranty issues during the warranty period¹² via 877-453-6686

Type-model	Slot x bay	Processor	GHz	L2 cache	Cores	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	TV tuner	Power supply	Win7 preload	Avail date
7723-1AU	4x4	Athlon II X2 255	3.10	2MB	2	2GBx1	6-in-1	500GB ²	DVD±RW	Radeon 3000	None	180W	Prem 64	Jan 11
7723-1CU	4x4	Athlon II X4 645	3.10	2MB	4	2GBx2	6-in-1	1TB	DVD±RW	Radeon 3000	None	280W	Prem 64	Jan 11
7723-1DU	4x4	Athlon II X4 645	3.10	2MB	4	2+4GB	6-in-1	1TB	DVD±RW	Radeon 3000	None	280W	Prem 64	Jan 11
7723-1EU	4x4	Athlon II X2 255	3.10	2MB	2	2GBx2	6-in-1	500GB	DVD±RW	Radeon 3000	None	180W	Prem 64	Jan 11
7723-1FU	4x4	Athlon II X2 255	3.10	2MB	2	1+2GB	6-in-1	500GB	DVD±RW	Radeon 3000	None	180W	Prem 64	Jan 11

- · Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Processor Implementation Memory	AMD® Athlon™ II X2 Processor 255 with dual-core, 4000MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 technology, integrated 1066MHz DDR3 memory controller, and 2MB L2 cache (1MB per core) AMD Athlon II X4 Processor 645 with quad-core, 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 technology, integrated 1333MHz DDR3 memory controller, and 2MB L2 cache (512kB per core) Processor in Socket AM3 2GB, 3GB, 4GB, or 6GB std, 8GB max ⁸ , dual-channel capable, PC3-10600 1333MHz DDR3, non-parity, two 240-pin DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller	6.9" W X 16 175mm W X 17.6 lb (8.0 Bay ① 5.25", Bay ② N/A, Bay ③ 3.5", * Only for opti Slot 1: half-le Slot 3: half-le Slot 3: half-le	1" high, no access, standard disk 1" high, no access, optional disk ional 6-in-1 media reader ngth, full-height, PCI Express x16 Ver 2.0 ngth, full-height, PCI Express x1 Ver 2.0 ngth, full-height, PCI Express x1 Ver 2.0
Graphics	ATI™ Radeon™ 3000, integrated graphics in 760G, uses main memory, DirectX® 10, ATI Avivo™, one analog VGA DB-15 connector, one HDMI connector, HDCP-com		ngth,full-height, 32-bit PCI Ver 2.3
SATA disk SATA controller SATA DVD±RW SATA cables EIDE controller EIDE cables Diskette drive Media reader	500GB or 1TB, SATA 3.0Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in SB710 Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), four SATA connectors None None None 6-in-1 media reader		mentales.
Chipset	AMD 760G Chipset with HyperTransport 3.0 and PCI Express® 2.0 SB710 south bridge	support;	ienovo
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Ethernet Modem Security chip	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5r Four USB 2.0, keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, HDMI) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 10 Definition (HD) audio, Realtek® ALC662 codec None None 10/100 ethernet on planar, Realtek 8103EL None None	,	
TV tuner Camera	None None		
Keyboard Mouse Power supply	104-key standard keyboard (PS/2 connector), black Optical Wheel Mouse (USB connector), black Some: 180 watts, universal, manual switch Some: 280 watts, universal, manual switch		Limited Warranty¹ ⇒ 1-year parts and labor ⇒ Customer Replaceable Unit (CRU) parts only (with limited onsite service
Preloaded opera	ating system ²⁰ • Microsoft Office 2010 preloaded;		for selected parts³, 8 am - 5 pm)

Genuine Windows® 7
Home Premium 64

Preloaded applications⁵

- Lenovo® Rescue System
 Driver and Application Installation McAfee® VirusScan® Plus
- (60 days of virus definitions)
- Windows Live™ Essential

- purchase product key to activate
 CyberLink Power2Go (DVD±RW)

- Lenovo Dynamic Brightness System*
 Lenovo Eye Distance System*
 Only applicable for optional Lenovo L2362p monitors
- Service upgrade options (in eligible locations):9
- (in eligible locations):³
 2-year Lenovo Onsite Repair
 9x5 Next Business Day (78Y1552)
 3-year Lenovo Onsite Repair
 9x5 Next Business Day (78Y1553)
 24x7¹⁴ toll-free support for warranty
 issues during the warranty period¹
 via 877-453-6686

Type-model	Slot x e-model bay Process		rocessor GHz		Cores	Memory ⁸	Media SATA reader disk		SATA optical Graphics		TV tuner	Power supply	Win7 preload	Avail date
7723-1MU	4x4	Athlon II X2 260	3.20	2MB	2	2GBx1	6-in-1	500GB ²	DVD±RW	Radeon 3000	None	280W	Prem 64	Jul 11
7723-1NU	4x4	Athlon II X2 260	3.20	2MB	2	2GBx2	6-in-1	500GB	DVD±RW	Radeon 3000	None	280W	Prem 64	Jul 11
7723-1KU	4x4	Athlon II X4 650	3.20	2MB	4	4+2GB	6-in-1	1TB	DVD±RW	Radeon 3000	None	280W	Prem 64	Jul 11
7723-1LU	4x4	Athlon II X4 650	3.20	2MB	4	2GBx2	6-in-1	1TB	DVD±RW	Radeon 3000	None	280W	Prem 64	Jul 11
7723-2CU	4x4	Athlon II X2 260	3.20	2MB	2	2GBx2	6-in-1	1TB	DVD±RW	Radeon 3000	None	280W	Prem 64	Dec 11
7723-2DU	4x4	Athlon II X4 650	3.20	2MB	4	4+2GB	6-in-1	1.5TB	DVD±RW	Radeon 3000	None	280W	Prem 64	Dec 11

- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
 These systems are Microsoft[®] Office 2010 Product Key Ready (O10PKR)

Processor Implementation	AMD® Athlon™ II X2 Processor 260 with dual-core, 4000MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 technology, integrated 1066MHz DDR3 memory controller, and 2MB L2 cache (1MB per core) AMD Athlon II X4 Processor 650 with quad-core, 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 technology, integrated 1333MHz DDR3 memory controller, and 2MB L2 cache (512KB per core) Processor in Socket AM3	Tower • Black bezel with glossy finish • 6.9" W X 16.9" D X 14.5" H • 175mm W X 430mm D X 368mm H • 17.6 lb (8.0 kg), weight may vary by configuration Bay ① 5.25", 1.6" high, access, standard optical may ② N/A, N/A, media reader* Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk * Only for optional 6-in-1 media reader
Memory	8GB max ⁸ , dual-channel capable, PC3-10600 1333MHz DDR3 , non-parity, two 240-pin DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller	Slot 1: half-length, full-height, PCI Express x16 Ver 2.0 Slot 2: half-length, full-height, PCI Express x1 Ver 2.0 Slot 3: half-length, full-height, PCI Express x1 Ver 2.0 Slot 4: half-length, full-height, 32-bit PCI Ver 2.3
Graphics	ATI™ Radeon™ 3000, integrated graphics in 760G, uses main memory, DirectX® 10, ATI Avivo™, one analog VGA DB-15 connector, one HDMI connector, HDCP-com	
SATA disk SATA controller SATA DVD±RW SATA cables EIDE controller EIDE cables Diskette drive Media reader	500GB, 1TB, or 1.5TB, SATA 3.0Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in SB710 Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), four SATA connectors None None None 6-in-1 media reader	Fenovo
Chipset	AMD 760G Chipset with HyperTransport 3.0 and PCI Express® 2.0 SB710 south bridge	support;
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Ethernet Modem Security chip	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5r Four USB 2.0, keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, HDMI) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo) High Definition (HD) audio, Realtek® ALC662 codec None None 10/100 ethernet on planar, Realtek 8103EL None None	
TV tuner Camera	None None	Limited Warranty ¹
Keyboard Mouse Power supply	104-key standard keyboard (PS/2 connector), black Optical Wheel Mouse (USB connector), black 280 watts, universal, manual switch	 □ 1-year parts and labor □ Customer Replaceable Unit (CRU) parts only (with limited onsite service)
Preloaded opera - Genuine Windo Home Premium Preloaded appli • Lenovo® Rescu • Driver and App • McAfee® Virus (60 days of viru • Windows Live™	purchase product key to activate CyberLink Power2Go (DVD±RW) Cations Lenovo Dynamic Brightness Syster Lenovo Eye Distance System* Only applicable for optional Lenovo monitors so definitions)	3-year Lenovo Onsite Repair

Type-model	Slot x bay	Processor	GHz	Cache (ores	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	TV tuner	802.11 wireless	Power supply	Keyboard / Mouse	Win7 preload
7752-1QU 7752-1RU		Pentium G620 Pentium G620		3MB 3MB	2	4GBx1 4GBx1	6-in-1 6-in-1	1TB ² 500GB	DVD±RW DVD±RW	Intel HD Intel HD				PS/2 / USB PS/2 / USB	
7752-1SU 7752-1TU		i3-2100 i3-2100		3MB 3MB	2	4GBx1 4+2GB	6-in-1 6-in-1	1TB 1TB	DVD±RW DVD±RW	Intel HD Intel HD			280W	PS/2 / USB PS/2 / USB	Prem 64
7752-2CU 7752-5GU	4x4	i3-2120 Pentium G630	2.70	3MB 3MB	2	2GBx2 4GBx1	6-in-1 6-in-1	1TB 500GB	DVD±RW DVD±RW	Intel HD Intel HD	None	J	180W	PS/2 / USB USB / USB	Prem 64
7752-5HU	4x4	i3-2120	3.30	3MB	2	4+2GB	6-in-1	500GB	DVD±RW	Intel HD	None		280W	USB / USB	Prem 64

- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
 These systems are Microsoft[®] Office 2010 Product Key Ready (O10PKR)

Processor	Intel® Pentium® G620 Processor (2 cores / 2 threads, 2.60 GHz, 3MB Cache) integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Intel® Pentium® G630 Processor (2 cores / 2 threads, 2.70 GHz, 3MB Cache) integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Intel Core™ i3-2100 Processor (2 cores / 4 threads, 3.10 GHz, 3MB Cache), integrated 1333MHz dual-channel DDR3 memory controller Intel Core i3-2120 Processor (2 cores / 4 threads, 3.30 GHz, 3MB Cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller Processor in LGA1155 socket	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications⁵ • Lenovo® Rescue System • Driver and Application Installation • McAfee® VirusScan® Plus (60 days of virus definitions) • Windows Live™ Essentials • Microsoft Office 2010 preloaded; purchase product key to activate • CyberLink Power2Go (DVD±RW) • Lenovo Dynamic Brightness System*
Memory	8GB max ⁸ , dual-channel capable, PC3-10600 1333MHz DDR3 *, non-parity, two 240-pin DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller	Lenovo Eye Distance System* * Only applicable for optional Lenovo L2362p monitors
Graphics	Intel HD Graphics, integrated graphics in processor, uses main memory, DirectX®10, one analog VGA DB-15 connector, one HDMI connector, HDCP-compliant (only for i3/i5/i7 models)	
SATA disk SATA controller SATA DVD±RW SATA cables EIDE controller EIDE cables Diskette drive Media reader	500GB or 1TB, SATA 3.0Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in chipset Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), four SATA connectors None None None 6-in-1 media reader	Terrorro
Chipset	Intel H61 Express Chipset	
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Wireless Ethernet Modem Security chip	None Some: 11b/g/n wireless ⁴ , PCIe x1 adapter Gigabit ethernet on planar, Intel 82579LM None None	kenovo
TV tuner Camera	None None	
Keyboard Mouse Power supply	Some: standard keyboard (PS/2 connector), black Some: standard keyboard (USB connector), black Optical Wheel Mouse (USB connector), black Some: 180 watts, universal, manual switch Some: 280 watts, universal, manual switch	
Mechanical	Tower ■ Black bezel with glossy finish ■ 6.9" W X 16.9" D X 14.5" H ■ 175mm W X 430mm D X 368mm H ■ 17.6 lb (8.0 kg), weight may vary by configuration Bay ① 5.25", 1.6" high, access, standard optical Bay ② N/A, N/A, M/A, media reader* Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk ▼ Only for optional 6-in-1 media reader Slot 1: half-length, full-height, PCI Express x16 Ver 2.0 Slot 2: half-length, full-height, PCI Express x1 Ver 2.0 Slot 3: half-length, full-height, PCI Express x1 Ver 2.0 Slot 4: half-length, full-height, PCI Express x1 Ver 2.0 * Wireless adapter in slot in some models	Limited Warranty¹ 1-year parts and labor Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm) Service upgrade options (in eligible locations):³ 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686

Type-model	Slot x bay	Processor	GHz	Cache	Cores	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	TV tuner	802.11 wireless	Power supply	Keyboard / Mouse	Win7 preload
2558-1PU	4x4	G640	2.80	змв	2	4GBx1	6-in-1	500GB ²	DVD±RW	Intel HD	None	None	180W	USB / USB	Prem 64
2558-1CU	4x4	i3-2120	3.30	3MB	2	4+2GB	6-in-1	1TB	DVD±RW	Intel HD 2000	None	None	280W	USB / USB	Prem 64
2558-1BU	4x4	i5-2320	3.00	6MB	4	4GBx2	6-in-1	1TB	DVD±RW	Intel HD 2000	None	None	280W	USB / USB	Prem 64

- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
 These systems are Microsoft[®] Office 2010 Product Key Ready (O10PKR)

Processor Implementation Memory	Intel® Pentium® G640 Processor (2 cores / 2 threads, 2.80 GHz, 3MB Cache) integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Intel Core™ i3-2120 Processor (2 cores / 4 threads, 3.30 GHz, 3MB Cache), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller Intel Core i5-2320 Processor (4 cores / 4 threads, 3.00 GHz, 6MB Cache), integrated Intel HD Graphics 2000, Turbo Boost Technology 2.0 (up to 3.30 GHz), integrated 1333MHz dual-channel DDR3 memory controller Processor in LGA1155 socket 8GB max ⁸ , dual-channel capable, PC3-10600 1333MHz DDR3*, non-parity,	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications⁵ (only some listed) • Lenovo® Rescue System • Driver and Application Installation • McAfee® VirusScan® Plus (60 days of virus definitions) • Windows Live™ Essentials • Microsoft Office 2010 preloaded:
Weller	two 240-pin DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller	purchase product key to activate • CyberLink Power2Go (DVD±RW)
Graphics	Intel HD Graphics or Intel HD Graphics 2000, integrated graphics in processor, uses main memory, one analog VGA DB-15 connector, one HDMI connector, HDCP-compliant (only for i3/i5/i7 models)	
SATA disk SATA controller SATA DVD±RW SATA cables EIDE controller EIDE cables Diskette drive Media reader	500GB or 1TB, SATA 3.0Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in chipset Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), four SATA connectors None None None 6-in-1 media reader	[efforto
Chipset	Intel H61 Express Chipset	lenovo
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Wireless Ethernet Modem Security chip	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, HDMI) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) High Definition (HD) audio, Realtek® ALC662 codec	
TV tuner Camera	None None	
Keyboard Mouse Power supply	Standard keyboard (USB connector), black Optical Wheel Mouse (USB connector), black Some: 180 watts, universal, manual switch Some: 280 watts, universal, manual switch	
Mechanical	• Black bezel with glossy finish • 6.9" W X 16.9" D X 14.5" H • 175mm W X 430mm D X 368mm H • 17.6 lb (8.0 kg), weight may vary by configuration Bay ① 5.25", 1.6" high, access, standard optical Bay ② N/A, N/A, media reader* Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk * Only for optional 6-in-1 media reader Slot 1: half-length, full-height, PCI Express x16 Ver 2.0* Slot 2: half-length, full-height, PCI Express x1 Ver 2.0* Slot 3: half-length, full-height, PCI Express x1 Ver 2.0* * TV tuner, USB 3.0 adapter, or wireless adapter in slot in some models ** Graphics adapter in slot in some models	Limited Warranty¹ 1-year parts and labor Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm) Service upgrade options (in eligible locations):³ 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686

Part number	Slot x bay	Processor	GHz	Cache	Cores	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	TV tuner	802.11 wireless	Power supply	Keyboard / Mouse	Win8 preload
57309109	4x4	G645	2.90	3MB	2	4GBx1, 1333	6-in-1	1TB ²	DVD±RW	Intel HD	None	None	180W	USB / USB	Win8 64
57310770	4x4	i3-2130	3.40	3MB	2	4+2GB, 1333	6-in-1	1TB	DVD±RW	Intel HD 2000	None	None	280W	USB / USB	Win8 64
57311432	4x4	i5-3330	3.00	6MB	4	4GBx2, 1600	6-in-1	1TB	DVD±RW	Intel HD 2500	None	None	280W	USB / USB	Win8 64
57312387	4x4	i3-3220	3.30	3MB	2	4+2GB, 1600	6-in-1	1TB	DVD±RW	Intel HD 2500	None	None	280W	USB / USB	Win8 64
57312709	4x4	G2020	2.90	3MB	2	4GBx1, 1333	6-in-1	1TB	DVD±RW	Intel HD	None	None	180W	USB / USB	Win8 64

· Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

		_
Processor	Intel® Pentium® G645 Processor (2 cores / 2 threads, 2.90 GHz, 3MB Cache) integrated Intel HD Graphics, DDR3 memory controller (up to 1066MHz) Intel Pentium G2020 Processor (2 cores / 2 threads, 2.90 GHz, 3MB Cache) integrated Intel HD Graphics, DDR3 memory controller (up to 1333MHz) Intel Core™ i3-2130 Processor (2 cores / 4 threads, 3.40 GHz, 3MB Cache), integrated Intel HD Graphics 2000, DDR3 memory controller (up to 1333MHz) Intel Core i3-3220 Processor (2 cores / 4 threads, 3.30 GHz, 3MB Cache), integrated Intel HD Graphics 2500, DDR3 memory controller (up to 1600MHz) Intel Core i5-3330 Processor (4 cores / 4 threads, 3.00 GHz, 6MB Cache), integrated Intel HD Graphics 2500, Turbo Boost Technology 2.0 (up to 3.20 GHz), DDR3 memory controller (up to 1600MHz) Processor in LGA1155 socket	
Memory	8GB max ⁸ , PC3-10600 1333MHz DDR3 or PC3-12800 1600MHz DDR3 *, non-parity, dual-channel capable, two 240-pin DIMM sockets * System automatically clocks down for processors with 1066MHz or 1333MHz DDR3 memory controller]
Graphics	Intel HD Graphics, Intel HD Graphics 2000, or Intel HD Graphics 2500, integrated graphics in processor, uses main memory, one analog VGA DB-15 connector, one HDMI connector, HDCP-compliant (only for i3/i5/i7 models)	
SATA disk SATA controller SATA DVD±RW SATA cables EIDE controller EIDE cables Diskette drive Media reader	1TB, SATA 3.0Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in chipset Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), four SATA connectors None None None 6-in-1 media reader	
Chipset	Intel H61 Express Chipset]
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Wireless Ethernet Modem Security chip	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, HDMI) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) High Definition (HD) audio, Realtek® ALC662 codec None None None Gigabit ethernet on planar, Intel 82579LM None None	
TV tuner Camera	None None	
Keyboard Mouse Power supply	Standard keyboard (USB connector), black Optical Wheel Mouse (USB connector), black Some: 180 watts, universal, manual switch Some: 280 watts, universal, manual switch	
	Tower • Black bezel with glossy finish • 6.9" W X 16.9" D X 14.5" H • 175mm W X 430mm D X 368mm H	4

Preloaded operating system²⁰ Windows® 8 64-bit

Preloaded applications¹⁴ (only some listed)

Lenovo® Rescue System

- Driver and Application Installation Lenovo Cloud Storage by SugarSync
- Lenovo Cloud Storage by SugarS McAfee® Internet Security (30-Day Trial)
 Adobe® Reader®
 Cyberlink PowerDVD (DVD±RW)
 Cyberlink Power2Go (DVD±RW)
 Microsoft Office preloaded;
 purchase product key to activate Intel Appl In®

- Intel AppUp®
- AccuWeather
- Evernote
- Kindle
- Lenovo Support
- Lenovo Companion



- 1-year parts and labor
- Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm)
 Service upgrade options
 (in eligible locations):⁹
 • 2-year Lenovo Onsite Repair

- 9x5 Next Business Day (78Y1552) 3-year Lenovo Onsite Repair
- 9x5 Next Business Day (78Y1553) 24x7¹⁴ toll-free support for warranty issues during the warranty period via 877-453-6686

Type-model	Slot x	Processor	GHz Ca	oroc	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	TV	802.11 wireless	Power		Win7 preload	Avail data
Type-Illouei	Day	1 10003301	GITZ CC	UIES	INICITIOT Y	reauer	uisk	ориош	Grapilics	turier	WIICICSS	Suppi	/ / WOUSE	preroud	uata
3099-1NU	4x4	A6-3600	2.10 4	1	4GBx1, 1333	6-in-1	500GB ²	DVD±RW	HD 6530D	None	None	180W	USB / USB	Prem 64	Apr 12
3099-1RU	4x4	A8-3800	2.40 4	4	2+4GB, 1333	6-in-1	500GB	DVD±RW	HD 6550D	None	None	280W	USB / USB	Prem 64	Apr 12
3099-1DU	4x4	E2-3200	2.40 2	2	4GBx1, 1333	6-in-1	500GB	DVD±RW	HD 6370D	None	None	180W	USB / USB	Prem 64	Aug12
3099-1VU	4x4	A4-3420	2.80 2	2	2+4GB, 1333	6-in-1	500GB	DVD±RW	HD 6410D	None	None	180W	USB / USB	Prem 64	Aug12
3099-1UU	4x4	A6-3620	2.20 4	1	2+4GB, 1600	6-in-1	1TB	DVD±RW	HD 6530D	None	None	280W	USB / USB	Prem 64	Aug12
3099-1TU	4x4	A8-3850	2.90 4	1	4GBx2, 1600	6-in-1	1TB	DVD±RW	HD 6550D	None	None	280W	USB / USB	Prem 64	Aug12
															•

- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
 These systems are Microsoft[®] Office 2010 Product Key Ready (O10PKR)

Processor AMD Accelerated Processor E2-3200 (dual-core, 2.40GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6370D Graphics, integrated DDR3 memory controller (up to 1600MHz) AMD Accelerated Processor A4-3420 (dual-core, 2.80GHz, 1MB L2 cache), integrated AMD Radeon HD 6410D Graphics integrated DDR3 memory controller (up to 1600MHz) AMD Accelerated Processor A6-3600 (quad-core, 2.10GHz, 4MB L2 cache), integrated AMD Radeon HD 6530D Graphics, AMD Turbo Core technology (up to 2.40GHz), integrated DDR3 memory controller (up to 1866MHz) AMD Accelerated Processor A6-3620 (quad-core, 2.20GHz, 4MB L2 cache), integrated AMD Radeon HD 6530D Graphics, AMD Turbo Core technology (up to 2.50GHz), integrated DDR3 memory controller (up to 1866MHz) AMD Accelerated Processor A8-3800 (quad-core, 2.40GHz, 4MB L2 cache), integrated AMD Radeon HD 6550D Graphics, AMD Turbo Core technology (up to 2.70GHz), integrated DDR3 memory controller (up to 1866MHz) AMD Accelerated Processor A8-3850 (quad-core, 2.90GHz, 4MB L2 cache), integrated AMD Radeon HD 6550D Graphics, integrated DDR3 memory controller (up to 1866MHz) Processor in FM1 socket Implementation 8GB max³, dual-channel capable, **PC3-10600 1333MHz DDR3** or **PC3-12800 1600MHz DDR3**, non-parity, two 240-pin DIMM sockets Memory **AMD Radeon HD Graphics**, integrated graphics in processor, uses main memory, DirectX® 11, one analog VGA DB-15 connector, Graphics one HDMI connector, HDCP-compliant SATA disk **500GB** or **1TB**, SATA 3.0Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in chipset Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive SATA controller SATA DVD±RW SATA cables Two SATA cables (each 1-drop to device), three SATA connectors EIDE controller None None FIDF cables Diskette drive None 6-in-1 media reader Media reader Chipset AMD A55 FCH Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, HDMI) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) High Definition (HD) audio, Realtek® ALC662 codec Front ports Rear ports Rear audio ports Audio External speakers None Internal speaker None Wireless None Ethernet Gigabit ethernet on planar, Realtek RTL8111E Modem None Security chip None TV tuner None None Camera Full-size keyboard (USB connector), Fn keys, black Keyboard Mouse Optical Wheel Mouse (USB connector), black Power supply 180 watts, universal, manual switch 280 watts, universal, manual switch Some: Tower Black bezel with glossy finish 6.9" W X 16.9" D X 14.5" H 175mm W X 430mm D X 368mm H

• 17.6 lb (8.0 kg), weight may vary by configuration Bay ① 5.25", 1.6" high, access, standard optica Bay ② N/A, N/A, N/A, media reader*

Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk * Only for optional 6-in-1 media reader

Slot 1: half-length, full-height, PCI Express x16 Ver 2.0 Slot 2: half-length, full-height, PCI Express x1 Ver 2.0** Slot 3: half-length, full-height, PCI Express x1 Ver 2.0

Slot 4: half-length, full-height, PCI Express x1 Ver 2.0
** Wireless adapter in slot in some models

standard optical

Preloaded operating system²⁰

Genuine Windows Home Premium 64

Preloaded applications⁵

- Lenovo® Rescue System
- Driver and Application Installation
- McAfee® Internet Security (30-Day Trial)
 Windows Live™ Essentials
- Microsoft Office 2010 preloaded; Microsoft Office 2010 predicated, purchase product key to activate
 CyberLink Power2Go (DVD±RW)
 Lenovo Dynamic Brightness System*
 Lenovo Eye Distance System*

- Only applicable for optional Lenovo L2362p monitors



Limited Warranty¹

- 1-year parts and labor
- Customer Replaceable Unit (CRU) Customer Heplaceable Unit (CHU)
 parts only (with limited onsite service
 for selected parts³, 8 am - 5 pm)
 Service upgrade options
 (in eligible locations):⁹
 • 2-year Lenovo Onsite Repair

via 877-453-6686

- 9x5 Next Business Day (78Y1552) 3-year Lenovo Onsite Repair
- 9x5 Next Business Day (78Y1553) 24x7¹⁴ toll-free support for warranty issues during the warranty period1

Mechanical

Preloaded operating system²⁰

• Lenovo® OneKey Recovery

McAfee® Internet Security (30-Day Trial)

Preloaded applications⁵ (only some

Driver and Application Installation
Lenovo Cloud Storage by SugarSync

(30-Day Trial)

Nitro PDF

Adobe® Reader®

Microsoft® Office preloaded; purchase product key to activate

Cyberlink PowerDVD (DVD±RW)

CyberLink Power2Go (DVD±RW)

Exent Games Portal

Intel Appl In®

- Windows® 8 64-bit

Intel AppUp®AccuWeather Evernote Kindle

listed)

Part number	Processor	GHz	Cores	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	TV tuner	802.11 wireless	Power supply		Win8 preload	Avail data (mm/yy)	
57308795	4x4	A4-3420	2.80	2	4GBx1, 1600	6-in-1	1TB ²	DVD±RW	HD 6410D	None	None	180W	USB / USB	Win8 64	11/12
57308959	4x4	A6-3650	2.60	4	4+2GB, 1600	6-in-1	1TB	DVD±RW	HD 6530D	None	None	280W	USB / USB	Win8 64	11/12
57308960	4x4	A8-3850	2.90	4	4GBx2, 1600	6-in-1	1TB	DVD ±RW	HD 6550D	None	None	280W	USB / USB	Win8 64	11/12
57308958	4x4	A8-3850	2.90	4	4GBx2, 1600	6-in-1	2TB	DVD±RW	HD 6550D	None	None	280W	USB / USB	Win8 64	11/12

· Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Processor Implementation	AMD Accelerated Processor A4-3420 (dual-core, 2.80GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6410D Graphics, integrated DDR3 memory controller (up to 1600MHz) AMD Accelerated Processor A6-3650 (quad-core, 2.60GHz, 4MB L2 cache), integrated AMD Radeon HD 6530D Graphics, integrated DDR3 memory controller (up to 1866MHz) AMD Accelerated Processor A8-3850 (quad-core, 2.90GHz, 4MB L2 cache), integrated AMD Radeon HD 6550D Graphics, integrated DDR3 memory controller (up to 1866MHz) Processor in FM1 socket
Memory	8GB max ⁸ , dual-channel capable, PC3-12800 1600MHz DDR3 , non-parity, two 240-pin DIMM sockets
Graphics	AMD Radeon HD Graphics, integrated graphics in processor, uses main memory, DirectX® 11, one analog VGA DB-15 connector, one HDMI connector, HDCP-compliant
SATA disk SATA controller SATA DVD±RW SATA cables EIDE controller EIDE cables Diskette drive Media reader	1TB or 2TB, SATA 3.0Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in chipset Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), three SATA connectors None None None 6-in-1 media reader
Chipset	AMD A55 FCH
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Wireless Ethernet Modem Security chip	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, HDMI) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) High Definition (HD) audio, Realtek® ALC662 codec None None None Gigabit ethernet on planar, Realtek RTL8111E None None
TV tuner Camera	None None
Keyboard Mouse Power supply	Full-size keyboard (USB connector), Fn keys, black Optical Wheel Mouse (USB connector), black Some: 180 watts, universal, manual switch Some: 280 watts, universal, manual switch
Mechanical	Tower • Black bezel with glossy finish • 6.9" W X 16.9" D X 14.5" H • 175mm W X 430mm D X 368mm H • 17.6 lb (8.0 kg), weight may vary by configuration Bay ① 5.25", 1.6" high, access, standard optical Bay ② N/A, N/A, N/A, media reader* Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk **Only for optional 6-in-1 media reader Slot 1: half-length, full-height, PCI Express x16 Ver 2.0 Slot 2: half-length, full-height, PCI Express x1 Ver 2.0** Slot 3: half-length, full-height, PCI Express x1 Ver 2.0 **Wireless adapter in slot in some models



- 1-year parts and labor
- parts only (with limited onsite service for selected parts³, 8 am - 5 pm)
- Service upgrade options (in eligible locations):9
 - 2-year Lenovo Onsite Repair
- 2-year Lenovo Onsite Repair
 9x5 Next Business Day (78Y1552)
 3-year Lenovo Onsite Repair
 9x5 Next Business Day (78Y1553)
 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686

Part number		Pro- cessor	GHz	Cores	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	802.11 wireless	TV tuner	Power adapter	Keyboard/ Mouse	Win8 preload	Avail date (mm/yy)
57308578	1x2	E2-1800	1.70	Dual	4GBx1	7-in-1	500GB ²	DVD±RW	Radeon HD 7340	None	None	65W	USB / USB	Win8 64	01/13
57312710	1x2	E2-1800	1.70	Dual	4GBx1	7-in-1	1TB	DVD±RW	Radeon HD 7340	None	None	65W	USB / USB	Win8 64	03/13

• Lenovo Rescue System provides OneKey recovery without booting into Windows

Processor Implementation		r E2-1800 (2 cores, 1.70GHz, MD Radeon HD 7340 Graphics, ntroller (up to 1333MHz)	• 4.1" L X 14.	Factor (11L) ck and brushed metal .2" D X 12.0" H X 360mm D X 305mm H
Memory	two 240-pin DIMM sockets	MHz DDR3*, non-parity, single-channel, down for processors with 1333MHz DDR3	• 11.0 lb (5.0 Bay ① 5.25", Bay ② 3.5",	kg) vary by configuration , 1.6" high, access, standard optical 1" high, no access, standard disk
Graphics	AMD Radeon HD 7340 grapuses main memory, DirectX® one HDMI connector, HDCP	hics, integrated in processor, 11, one analog VGA DB-15 connector,	Slot 1: half-le	ength, Low Profile, PCI Express x1 Ver 2.0
SATA disk SATA optical SATA controller SATA cables EIDE controller EIDE cables Diskette drive Multicard reader	None None None	NTA 1.5Gb/s Drive		A. A
Chipset	AMD A68 FCH			
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Wireless Ethernet Modem Security chip	Two USB 2.0, two USB 3.0, e Line-in (stereo, 3.5mm), line-t High Definition (HD) audio, Ro None None 10/100M ethernet on planar, l None None			
TV tuner Camera	None None			
Keyboard Mouse Power supply	Full-size keyboard (USB conr Optical Wheel Mouse (USB c 65 watts power adapter, ENE	onnector), black		Limited Warranty¹ ⇒ 1-year parts and labor
Preloaded operating system ²⁰ - Windows® 8 64-bit Preloaded applications ⁵ (only some listed) • Lenovo® OneKey Recovery • Driver and Application Installation • Lenovo Cloud Storage by SugarSync • McAfee® Internet Security (30-Day Trial) • Nitro PDF • Adobe® Reader® • Microsoft® Office preloaded; purchase product key to activate		Cyberlink PowerDVD (DVD±RW, Blu-ray CyberLink Power2Go (DVD±RW, Blu-ray Exent Games Portal Intel AppUp® AccuWeather Evernote Kindle Rara Streaming eBay Lenovo Support Lenovo Companion		 ✓ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ✓ Service upgrade options (in eligible locations):³ • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) ✓ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686

See footnotes for important warranty information US model(s) withdrawn effective March 2014

© Lenovo (CRET3-1) March 2013

Type-model	Slot x bay		GHz	Max turbo (GHz)	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	802.11 wireless	USB3.0	Power supply	Keyboard/ Mouse	Win7 preload	Avail date (mm/yy)
2561-2JU 2561-1SU 2561-1LU	2x2	i3-2120			4GBx1 4GBx1 4+2GB	7-in-1	1TB	DVD±RW	Intel HD Graphics Intel HD 2000 Intel HD 2000	11b/g/n	None	180W	USB / USB USB / USB USB / USB	Prem 64	08/12

- Lenovo Rescue System provides OneKey recovery without booting into Windows
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Intel® Pentium® G640 Processor (2 cores / 2 threads, 2.80 GHz, Processor 3MB Cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Intel Core™ i3-2120 Processor (2 cores / 4 threads, 3.30 GHz, 3MB Cache), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller Intel Core i5-2320 Processor (4 cores / 4 threads, 3.00 GHz, 6MB Cache), Turbo Boost Technology 2.0 (up to 3.30 GHz), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller Implementation Processor in LGA1155 socket 8GB max⁸, PC3-10600 1333MHz DDR3, non-parity, Memory dual-channel capable, two 240-pin DIMM sockets System automatically clocks down for processors with 1066MHz DDR3 memory controller **Intel HD Graphics** or **Intel HD Graphics 2000**, integrated in processor, uses main memory, one analog VGA DB-15 connector, one HDMI connector, HDCP Graphics 500GB or 1TB, SATA 3.0Gb/s, 7200 rpm SATA disk SATA controller Serial ATA, SATA 3.0Gb/s, integrated in chipset SATA optical Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive SATA cables Two SATA cables (each 1-drop to device), four SATA connectors EIDE controller None **EIDE** cables None Diskette drive None 7-in-1 reader (SD, SDHC, SDXC, MMC, MMC plus, MS, MS pro) Multicard reader Chipset **Intel H61 Express Chipset** Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, HDMI) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Front ports Rear ports Rear audio ports High Definition (HD) audio, ALC662 codec Audio External speakers None None Internal speaker 11b/g/n wireless4, PCIe Half Mini Card, Realtek® or Atheros® chip Wireless Gigabit ethernet on planar, Realtek RTL8111F **Ethernet** None Modem Security chip None TV tuner None Camera None Full-size keyboard (USB connector), Fn keys, black Keyboard Mouse Optical Wheel Mouse (USB connector), black Power supply Some: 180 watts, universal, manual switch Some: 240 watts, universal, auto-sensing

Preloaded operating system²⁰

Genuine Windows Home Premium 64

Preloaded applications⁵

- Lenovo® OneKey Recovery
 Driver and Application Installation
- McAfee® Anti̇̀Virus Plus (60 days of virus definitions)
- Power Setting
- Cyberlink PowerDVD (Blu-ray models)
 CyberLink Power2Go (DVD±RW, Blu-ray models)
- Windows Live Essentials
- Microsoft® Office 2010 preloaded; purchase product key to activate

Small Form Factor (11L)

- · Glossy black and brushed metal
- 4.1" L'X 14.2" D X 12.0" H
- 105mm W X 360mm D X 305mm H
- 17.4 lb (7.9 kg) vary by configuration

Bay ① 5.25", 1.6" high, access, standard optic Bay ② 3.5", 1" high, no access, standard disk standard optical

Slot 1: half-length, Low Profile, PCI Express x16 Ver 2.0* Slot 2: half-length, Low Profile, PCI Express x1 Ver 2.0*

- Graphics adapter in slot on some models
- ** TV tuner or USB 3.0 card in slot on some models



Limited Warranty¹

- 1-year parts and labor
- **Customer Replaceable Unit (CRU)** parts only (with limited onsite service for selected parts³, 8 am - 5 pm Mon - Fri coverage excluding holidays, next business day response time)
- Service upgrade options (in eligible locations):
 - 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552)
 - 3-year Lenovo Onsite Repair
- 9x5 Next Business Day (78Y1553) 24x7¹⁴ toll-free support for warranty issues during the warranty period1 via 877-453-6686

See footnotes for important warranty information US model(s) withdrawn effective March 2014

Part numbe	Slot x r bay		GHz	Max turbo (GHz)	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	802.11 wireless	USB3.0	Power supply	Keyboard/ Mouse	Win8 preload	Avail date (mm/yy)
57309119	2x2	G645	2.90		4GBx1	7-in-1	500GB ²	DVD±RW	Intel HD Graphics	11b/g/n ²⁸	None	180W	USB / USB	Win8 64	11/12
57311165	2x2	i3-2130	3.40		4GBx1	7-in-1	500GB	DVD±RW	Intel HD 2000	Ŭ	None	180W	USB / USB	Win8 64	11/12
57311128	2x2	i3-2130	3.40		4GBx1	7-in-1	1TB	DVD ±RW	Intel HD 2000	11b/g/n	None	180W	USB / USB	Win8 64	11/12
57311365	2x2	i5-3330	3.00	3.20	4+2GB	7-in-1	1TB	DVD±RW	Intel HD 2500	11b/g/n	None	240W	USB / USB	Win8 64	11/12
57312711	2x2	G2020	2.90		4GBx1	7-in-1	1TB	DVD ±RW	Intel HD Graphics	11b/g/n	None	180W	USB / USB	Win8 64	02/13
57312877	2x2	i3-3220	3.30		4GBx1	7-in-1	1TB	DVD±RW	Intel HD 2500	11b/g/n	None	180W	USB / USB	Win8 64	02/13

Lenovo Rescue System provides OneKey recovery without booting into Windows

Processor	Intel® Pentium® G645 Processor (2 cores / 2 threads, 2.90 GHz, 3MB Cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Intel Pentium G2020 Processor (2 cores / 2 threads, 2.90 GHz, 3MB Cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller Intel Core™ i3-2130 Processor (2 cores / 4 threads, 3.30 GHz, 3MB Cache), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller Intel Core i3-3220 Processor (2 cores / 4 threads, 3.30 GHz, 3MB Cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Intel Core i5-3330 Processor (4 cores / 4 threads, 3.00 GHz, 6MB Cache), Turbo Boost Technology 2.0 (up to 3.20 GHz), integrated Intel HD Graphics 2500,	• 4.1" L´X 14.2 • 105mm W X • 17.4 lb (7.9 l Bay ① 5.25", Bay ② 3.5", Slot 1: half-ler Slot 2: half-ler * Graphics a	Factor (11L) k and brushed metal 2" D X 12.0" H 360mm D X 305mm H kg) vary by configuration 1.6" high, access, standard optical 1" high, no access, standard disk ngth, Low Profile, PCI Express x16 Ver 2.0* ngth, Low Profile, PCI Express x1 Ver 2.0** dapter in slot on some models r USB 3.0 card in slot on some models
Implementation	integrated 1600MHz dual-channel DDR3 memory controller Processor in LGA1155 socket		
Memory	8GB max ⁸ , PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 240-pin DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller		
Graphics	Intel HD Graphics, Intel HD Graphics 2000, or Intel HD Graphics 2500 integrated in processor, uses main memory, one VGA connector, one HDM		No.
SATA disk SATA controller SATA optical SATA cables EIDE controller EIDE cables Diskette drive Multicard reader	500GB or 1TB, SATA 3.0Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in chipset Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), four SATA connectors None None None 7-in-1 reader (SD, SDHC, SDXC, MMC, MMC plus, MS, MS pro)		
Chipset	Intel H61 Express Chipset		
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Wireless Ethernet Modem Security chip	None Some: 11b/g/n wireless ⁴ , PCIe Half Mini Card, Realtek® or Atheros® chip Gigabit ethernet on planar, Realtek RTL8111F None None	,	
TV tuner Camera	None None		
Keyboard Mouse	Full-size keyboard (USB connector), Fn keys, black Optical Wheel Mouse (USB connector), black		Limited Warranty ¹



Limited Warranty¹

- 1-year parts and labor
- Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts3, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
- Service upgrade options (in eligible locations):9

via 877-453-6686

- 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) 3-year Lenovo Onsite Repair
- 9x5 Next Business Day (78Y1553)
- 24x7¹⁴ toll-free support for warranty issues during the warranty period1

Preloaded operating system²⁰ Windows® 8 64-bit

Preloaded applications⁵ (only some listed)

Some:

- Lenovo® OneKey Recovery
- Driver and Application Installation Lenovo Cloud Storage by SugarSync
- McAfee® Internet Security (30-Day Trial)
- Nitro PDF

Power supply

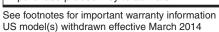
- Adobe® Reader®
- Microsoft® Office preloaded; purchase product key to activate

- Cyberlink PowerDVD (DVD±RW, Blu-ray models)
- CyberLink Power2Go (DVD±RW, Blu-ray models)
- Exent Games Portal
- Intel AppUp®
- AccuWeather
- Evernote

180 watts, universal, manual switch

Some: 240 watts, universal, auto-sensing

- Kindle
- Rara Streaming
- eBay
- Lenovo Support
- Lenovo Companion



Slot x Pr		Max turbo Hz (GHz)	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	802.11 wireless USB3.0	Power supply	Keyboard/ Mouse	Win7 preload	Avail date (mm/yy)
2561-5AU 2x2 i3-	-2130 3	.40	4+2GB	7-in-1	1TB ²	DVD±RW	Intel HD 2000	None USB3.0	180W	2.4G / 2.4G	Prem 64	08/12

- · Lenovo Rescue System provides OneKey recovery without booting into Windows
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Processor Implementation	Intel® Core™ i3-2130 Processor (2 cores / 4 threads, 3.40 GHz, 3MB Cache), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller Processor in LGA1155 socket	• Glossy blac • 4.1" L X 14. • 105mm W X
Memory	8GB max ⁸ , PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 240-pin DIMM sockets	• 17.4 lb (7.9
Graphics	Intel HD Graphics 2000, integrated in processor, uses main memory, one analog VGA DB-15 connector, one HDMI connector, HDCP	Bay ① 5.25", Bay ② 3.5", Slot 1: half-le
SATA disk SATA controller SATA optical SATA cables EIDE controller EIDE cables Diskette drive Multicard reader	1TB, SATA 3.0Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in chipset Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), four SATA connectors None None None 7-in-1 reader (SD, SDHC, SDXC, MMC, MMC plus, MS, MS pro)	Slot 1: Half-le Slot 2: half-le * Graphics a ** TV tuner o
Chipset	Intel H61 Express Chipset	
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Wireless Ethernet Modem Security chip	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0 and two USB 3.0 (Via USB 3.0 adding card on selected more thernet (RJ-45), monitor (VGA DB-15, HDMI) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mg) Definition (HD) audio, ALC662 codec None None None Gigabit ethernet on planar, Realtek RTL8111F None None	, .
TV tuner Camera	None None	
Keyboard Mouse Power supply	2.4G wireless Ultra Slim keyboard, 6-row, Fn keys, black 2.4G wireless Laser Wheel Mouse, black 180 watts, universal, manual switch	

Preloaded operating system²⁰

Genuine Windows® Home Premium 64

Preloaded applications⁵

- Lenovo® OneKey Recovery
- Driver and Application Installation
- McAfee® AntiVirus Plus (60 days of virus definitions)
- Power Setting
- Cyberlink PowerDVD (Blu-ray)
- CýberLink Power2Go (DVD±ŔW, Blu-ray)
- Windows Live Essentials
- Microsoft® Office 2010 preloaded; purchase product key to activate

Factor (11L)

- ck and brushed metal
- .2" D X 12.0" H
- X 360mm D X 305mm H
- kg) vary by configuration

1.6" high, access, standard optical 1" high, no access, standard disk

ength, Low Profile, PCI Express x16 Ver 2.0* ength, Low Profile, PCI Express x1 Ver 2.0**

- adapter in slot on some models
- or USB 3.0 card in slot on some models



- 1-year parts and labor
- Customer Replaceable Unit (CRU)
 parts only (with limited onsite service
 for selected parts³, 8 am 5 pm,
 Mon Fri coverage excluding holidays, next business day response time)
- Service upgrade options (in eligible locations):9
 - 2-year Lenovo Onsite Repair
 - 9x5 Next Business Day (78Y1552) 3-year Lenovo Onsite Repair
- 9x5 Next Business Day (78Y1553) 24x7¹⁴ toll-free support for warranty issues during the warranty period1 via 877-453-6686

Slot x Pro- Type-model bay cessor	Max turbo GHz (GHz)		SATA disk	SATA optical	Graphics	802.11 wireless	USB3.0	Power supply	Keyboard/ Mouse	Win7 preload	Avail date (mm/yy)
4746-1DU 2x2 i3-2120 4746-1FU 2x2 i7-3770 4746-1HU 2x2 i7-3770 4746-1KU 2x2 i7-3770 4746-1VU 2x2 i5-2320	3.40 3.90 3.40 3.90 3.40 3.90	4+2GB 7-in-1 4GBx2 7-in-1 4GBx2 7-in-1 4GBx2 7-in-1 4GBx2 7-in-1	1TB ² 2TB 2TB 2TB 1TB	DVD±RW DVD±RW BD burner BD burner DVD±RW	Radeon HD 7570 Intel HD 4000 GeForce GT 620 Radeon HD 7570 Intel HD 2000	None None None	USB3.0 USB3.0 USB3.0	240W 240W 240W	2.4G / 2.4 2.4G / 2.4 2.4G / 2.4	G Prem 64 G Prem 64 G Prem 64 G Prem 64 G Prem 64	06/12 06/12 06/12

- Lenovo Rescue System provides OneKey recovery without booting into Windows
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Processor Implementation	Intel® Core™ i3-2120 Processor (2 cores / 4 threads, 3.30 GHz, 3MB Cache), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller Intel Core i5-2320 Processor (4 cores / 4 threads, 3.00 GHz, 6MB Cache), Turbo Boost Technology 2.0 (up to 3.30 GHz), integrated Intel HD Graphics 2000, Intel Core i7-3770 Processor (4 cores / 8 threads, 3.40 GHz, 8MB Cache), Turbo Boost Technology 2.0 (up to 3.90 GHz), integrated Intel HD Graphics 4000, integrated 1600MHz dual-channel DDR3 memory controller Processor in LGA1155 socket	Small Form F Glossy black 4.1" L X 14.2 105mm W X 17.4 lb (7.9) Bay ① 5.25", Bay ② 3.5", Slot 1: half-ler Slot 2: half-ler
Memory	8GB max ⁸ , PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 240-pin DIMM sockets	* Graphics a ** TV tuner or
Graphics	Some: Intel HD Graphics 2000 or 4000, integrated in processor, uses main memory, one analog VGA DB-15 connector, one HDMI connector, HDCP Some: NVIDIA GeForce GT 620, PCI Express® x16, 1GB DDR3, DirectX 11, one analog VGA DB-15 connector, one HDMI connect Some: AMD Radeon™ HD 7570, PCI Express x16, 2GB DDR3, DirectX 11, one analog VGA DB-15 connector, one HDMI connect	
SATA disk SATA controller SATA optical SATA cables EIDE controller EIDE cables Diskette drive Multicard reader	1TB or 2TB, SATA 3.0Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in chipset Some: Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Some: Blu-ray™ burner, Blu-ray and DVD disk recordable Two SATA cables (each 1-drop to device), four SATA connectors None None None 7-in-1 reader (SD, SDHC, SDXC, MMC, MMC plus, MS, MS pro)	
Chipset	Intel H61 Express Chipset	
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Wireless Ethernet Modem	None None Gigabit ethernet on planar, Realtek RTL8111F None	
Security chip	None	
TV tuner Camera	None None	
Keyboard Mouse Power supply	2.4G wireless Ultra Slim keyboard, 6-row, Fn keys, black 2.4G wireless Laser Wheel Mouse, black 240 watts, universal, auto-sensing, 85% PSU, 80 PLUS® Bronze qualified	
Preloaded opera	ating system ²⁰ • Power Setting	

Preloaded operating system²⁰ - Genuine Windows® 7

Home Premium 64

- Preloaded applications⁵
 Lenovo® OneKey Recovery
 Driver and Application Installation
- McAfee® AntiVirus Plus (60 days of virus definitions)

- Power Setting
 Cyberlink PowerDVD (Blu-ray)
 CyberLink Power2Go (DVD±RW, Blu-ray)
 Windows Live Essentials
- Microsoft® Office 2010 preloaded; purchase product key to activate

Factor (11L)

- ck and brushed metal
- .2" D X 12.0" H
- X 360mm D X 305mm H
- kg) vary by configuration

1.6" high, access, standard optical 1" high, no access, standard disk

ength, Low Profile, PCI Express x16 Ver 2.0* ength, Low Profile, PCI Express x1 Ver 2.0**

- adapter in slot on some models
- or USB 3.0 card in slot on some models



- 1-year parts and labor Customer Replaceable Unit (CRU)
 - parts only (with limited onsite service for selected parts3, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
- Service upgrade options (in eligible locations):9
 - 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552)
- 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) 24x7¹⁴ toll-free support for warranty
- issues during the warranty period1 via 877-453-6686

Type-mode	Slot x I bay	Pro- cessor	GHz	Max turbo (GHz)	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	802.11 wireless	USB3.0	Power supply	Keyboard/ Mouse	Win8 preload	Avail date (mm/yy)
57310716	2x2	i3-2130	3.40		4GB	7-in-1	1TB ²	DVD±RW	Intel HD 2000	None	USB3.0	180W	USB / USB	Win8 64	12/12
57310714	2x2	i3-3220	3.30		4+2GB	7-in-1	2TB	DVD±RW	Intel HD 2500	None	USB3.0	180W	USB / USB	Win8 64	12/12
57310722	2x2	i7-3770	3.40	3.90	4GBx2	7-in-1	2TB	DVD ±RW	Intel HD 4000	None	USB3.0	240W	USB / USB	Win8 64	12/12
57310721	2x2	i7-3770	3.40	3.90	4GBx2	7-in-1	2TB	BD burner	GeForce GT 630	None	USB3.0	240W	USB / USB	Win8 64	12/12
57310718	2x2	i5-3330	3.00	3.20	4GBx2	7-in-1	1TB	DVD ±RW	Intel HD 2500	None	USB3.0	240W	USB / USB	Win8 64	02/13

Lenovo Rescue System provides OneKey recovery without booting into Windows

Processor	Intel® Core™ i3-2130 Processor (2 cores / 4 threads, 3.40 GHz, 3MB Cache), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller Intel Core i3-3220 Processor (2 cores / 4 threads, 3.30 GHz, 3MB Cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Intel Core i5-3330 Processor (4 cores / 4 threads, 3.00 GHz, 6M Cache), Turbo Boost Technology 2.0 (up to 3.20 GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Intel Core i7-3770 Processor (4 cores / 8 threads, 3.40 GHz, 8MB Cache), Turbo Boost Technology 2.0 (up to 3.90 GHz), integrated Intel HD Graphics 4000, integrated Intel HD Graphics 4000, integrated 1600MHz dual-channel DDR3 memory controller Processor in LGA1155 socket	• Glossy blac • 4.1" L X 14. • 105mm W 2 • 17.4 lb (7.9 Bay ① 5.25", Bay ② 3.5", Slot 1: half-le Slot 2: half-le * Graphics a ** TV tuner o
Memory	8GB max ⁸ , PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 240-pin DIMM sockets	
Graphics	Some: Intel HD Graphics 2000, 2500, or 4000, integrated in processor, uses main memory, one analog VGA DB-1 one HDMI connector, HDCP Some: NVIDIA GeForce GT 630, PCI Express® x16, 2GB DDR3, DirectX® 11, one analog VGA DB-15 connector, one HDMI connector.	
SATA disk SATA controller SATA optical SATA cables EIDE controller EIDE cables Diskette drive Multicard reader	1TB or 2TB, SATA 3.0Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in chipset Some: Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Some: Blu-ray [™] burner, Blu-ray and DVD disk recordable Two SATA cables (each 1-drop to device), four SATA connectors None None None 7-in-1 reader (SD, SDHC, SDXC, MMC, MMC plus, MS, MS pro)	
Chipset	Intel H61 Express Chipset	
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Wireless Ethernet Modem Security chip	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0 and two USB 3.0 (Via USB 3.0 adding card on selected modethernet (RJ-45), monitor (VGA DB-15, HDMI) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3 High Definition (HD) audio, ALC662 codec None None None Gigabit ethernet on planar, Realtek RTL8111F None None	
TV tuner Camera	None None	
Keyboard Mouse Power supply	Full-size keyboard (USB connector), Fn keys, black Optical Wheel Mouse (USB connector), black Some: 180 watts, universal, manual switch Some: 240 watts, universal, auto-sensing	
Preloaded opera	• Cyberlink PowerDVD (DVD±RW, Blu-ray r	models)

actor (11L)

- and brushed metal
- 2" D X 12.0" H
- 360mm D X 305mm H
- kg) vary by configuration

1.6" high, access, standard optical 1" high, no access, standard disk

ngth, Low Profile, PCI Express x16 Ver 2.0* ngth, Low Profile, PCI Express x1 Ver 2.0**

- dapter in slot on some models
- USB 3.0 card in slot on some models



Limited Warranty¹

- 1-year parts and labor
- Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts3, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
- Service upgrade options (in eligible locations):
 - 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) 3-year Lenovo Onsite Repair
- 9x5 Next Business Day (78Y1553) 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686

- Windows® 8 64-bit

Preloaded applications⁵ (only some listed)

- Lenovo® OneKey Recovery
- Driver and Application Installation
- Lenovo Cloud Storage by SugarSync
 McAfee® Internet Security
- (30-Day Trial)
- Nitro PDF
- Adobe® Reader®
- Microsoft® Office preloaded; purchase product key to activate

- CyberLink Power2Go (DVD±RW, Blu-ray models)
- Exent Games Portal
- Intel AppUp[®]
- AccuWeather
- Evernote Kindle
- Rara Streaming
- eBay
- Lenovo Support
- Lenovo Companion

- ²³ **Customer Replacement Units** (CRUs) are designed to be replaced by customers during the applicable warranty period. Lenovo will send a technician onsite to perform a repair if remote telephone diagnosis does not isolate the problem, if customer replaceable parts are unable to resolve the problem, or at the request of the customer. For a list of customer replaceable parts, contact Lenovo. Support unrelated to a warranty issue may be subject to additional charges.
- Wireless WAN Cards: Wireless data service requires separate agreement with Verizon Wireless. Verizon Wireless, not Lenovo, is solely responsible for service. Monthly and airtime charges may apply. Service may not be available in all areas; purchaser is responsible for verifying with Verizon Wireless that service is available for the intended location before the purchase of the card. For complete details, including service plans, additional required hardware or software, and service coverage, visit www.verizonwireless.com.
- The IEEE 802.11n specification (MIMO) has been finalized and is currently in IEEE 802.11n-2009 release. The maximum speed depends on the access point device and the number of integrated antenna used for connection. An adapter with 11a/b, 11a/b/g, 11b/g/n, or 11a/b/g/n can communicate on any of its supported formats.



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Warranty: For a copy of applicable product warranties, write to: Warranty Information, P.O. Box 12195, RTP, NC, 27709, Attn: Dept ZPYA/B676. Lenovo makes no representation or warranty regarding third party products or services.

- Limited warranty: Support unrelated to a warranty issue may be subject to additional charges.
- ² Hard disk drive: GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.
- ³ Customer Replacement Units (CRUs) are designed to be replaced by customers during the applicable warranty period. Lenovo will send a technician onsite to perform a repair if remote telephone diagnosis does not isolate the problem, if customer replaceable parts are unable to resolve the problem, or at the request of the customer. For a list of customer replaceable parts, contact Lenovo. Support unrelated to a warranty issue may be subject to additional charges.
- ⁴ CD and DVD list maximum rates; rates are variable and are often less than the maximum.
- Included software may differ from its retail version (if available), and may not include user manuals or all program functionality. License agreements may apply.
- 6 Post-warranty annual maintenance agreement: Service begins at the end of the base warranty or the end of any other applied warranty and maintenance option, whichever occurs last. Service delivery is not available the same day the maintenance agreement is purchased. Maintenance agreements must be purchased and the registration successfully completed prior to the service being available.

- Lenovo Care Services: Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part at your discretion, will be express shipped to you for quick replacement. See Lenovo Care terms and conditions for complete details and restrictions.
- ⁸ Memory: For PCs without a separate video card, memory supports both system and video. Accessible system memory is up to 64MB less than the amount stated, depending on video mode.
- International Warranty Service is available for most models in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.
- Modem speeds: Public network download speeds are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.
- 11 For combination drives, maximum speeds only are given in the following order: CD read, CD write, CD re-write, DVD read.
- ¹⁴ Response times may vary. May exclude some holidays. Telephone support may be subject to additional charges.
- Operating System: Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.

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