

Personal Systems Reference Lenovo IdeaCentre Desktops 2008 - 2013 Withdrawn

Last Update: April 2014 - Version 452







IdeaCentre B520

Type-model	Slot x bay	Pro- cessor	GHz	Max turbo (GHz)	Memory ⁸	SATA disk	USM portable disk	SATA optical	Graphics		Remote control		Power supply	USB 3.0	Win 7 preload	Avail date (mm/yy)
1168-1CU 1168-1DU		i3-2120 i5-2320	3.30	3.30	2+4GB 4GBx2		Dock only Dock only	DVD±RW DVD±RW	Intel HD 2000 Intel HD 2000	None None	None None	11b/g/n 11b/g/n		USB 3.0 USB 3.0		

- · Power Control Switch; color-coded three-speed switch to easily choose between turbo, auto, and cool running modes
- Tool-free chassis design for easy upgrading and maintenance
- Optional Universal Storage Module portable HDD and dock
- 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, 3M Cache), integrated Intel HD Graphics 2000, DDR3 memory controller (up to 1333MHz) 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, DDR3 memory controller (up to 1333MHz) Processor in LGA1155 socket
Memory	8GB max ⁸ , dual-channel capable, PC3-12800 1600MHz DDR3 , non-parity, two 240-pin DIMM sockets * System automatically clocks down for processors with 1333MHz memory controller
Graphics	Intel HD Graphics 2000, integrated graphics in processor, uses main memory, one VGA connector, one HDMI connector, HDCP-compliant
SATA disk mSATA SSD USM portable disk SATA controller SATA optical SATA cables Media reader	TTB or 2TB, SATA 6.0Gb/s, 7200 rpm None Hard disk dock only, supports SATA Universal Storage Module™ (USM) standard, includes USB 3.0 adapter and USB 3.0 cable 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 3.0Gb/s connectors, and one eSATA (occupied on USM portable HDD models) 9-in-1 media reader (MS, MS Pro, SD, SDHC, SDXC, MMC, CF I/CF II, MD)
Chipset	Intel H61 Express Chipset
Front ports Rear ports Rear audio ports Audio Speaker Wireless Ethernet Modem	Two USB 2.0, microphone (3.5mm), headphone (3.5mm) Four USB 2.0, two USB 3.0 via optional USB 3.0 card on some moels, ethernet (RJ-45), monitor (VGA, HDMI) Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm), High Definition (HD) audio, ALC662 codec None 11b/g/n wireless ⁴ , PCIe Half Mini Card, Realtek® RTL8188CE Gigabit ethernet on planar, Realtek RTL8111F-VB None
TV tuner Remote control	None None
Keyboard Mouse Power supply	Full-size keyboard (USB connector), Fn keys, black Optical Wheel Mouse (USB connector), black 280 watts, universal, manual switch
Machine	Metal Gray (metal brush effect) 6.89" W X 16.10" D X 14.17" H; 175mm W X 409mm D X 360mm H From 24.6 lb (11.2 kg), weight may vary by configuration Toolless cover removal Toolless disk, optical drive removal
Bay	Bay ① 5.25", 1.6" high, access, standard optical open Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk Bay ⑤ 3.5", 1" high, access, optional USM portable disk 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 ** * Graphics adapter in slot on some models, some graphics adapters occupy two slots ** TV tuner / USB 3.0 card in slot or slot occupied by graphics adapter on some models

Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64

Preloaded applications⁵ (only some listed)

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

 • Adobe® Flash® Player

 • Power Control Switch
- CyberLink Power2Go
- (DVD±RW, BD burner)

 Cyberlink PowerDVD (BD burner)
- Microsoft Office 2010 preloaded; purchase product key to activate
 Windows Live Essentials



- 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 period1 via 877-453-6686

Part number	Slot x	Pro- cessor	GHz	Max turbo (GHz)	Memory ⁸	SATA disk	USM portable disk	SATA optical	Graphics				Power supply	USB 3.0	Win8 preload	Avail date (mm/yy)
57308927 57308565 57308564	5x4	i3-3220 i5-3330 i7-3770	3.30 3.00 3.40	3.20 3.90	2+4GB 4GBx2 4GBx2		Dock only	DVD ±RW	Intel HD 2500 Intel HD 2500 GF GT 620	None	None	11b/g/n	280W		Win8 64	11/12

- · Power Control Switch; color-coded three-speed switch to easily choose between turbo, auto, and cool running modes
- Tool-free chassis design for easy upgrading and maintenance
- Optional Universal Storage Module portable HDD and dock
- Lenovo Rescue System provides OneKey recovery without booting into Windows

Turbo Boost Technology 2.0 (up to 3.20 GHz), integrated Intel HD Graphics 250 DDR3 memory controller (up to 1600MHz) Intel Core i7-3770 Processor (4 cores / 8 threads, 3.40 GHz, 8M Cache), Turbo Boost Technology 2.0 (up to 3.90 GHz), integrated Intel HD Graphics 400 DDR3 memory controller (up to 1600MHz) Processor in LGA1155 socket Memory 8GB max ⁸ , dual-channel capable, PC3-12800 1600MHz DDR3, non-parity, two 240-pin DIMM sockets * System automatically clocks down for processors with 1333MHz memory con Graphics Some: Intel HD Graphics 2500, integrated graphics in processor, uses main in one VGA connector, one HDMI connector, HDCP-compliant Some: NVIDIA® GeForce® GT 620, PCI Express® x16, 1GB memory, DirectX® one VGA connector, one HDMI connector, HDCP-compliant SATA disk 1TB or 2TB, SATA 6.0Gb/s, 7200 rpm	
Turbo Boost Technology 2.0 (up to 3.90 GHz), integrated Intel HD Graphics 400 DDR3 memory controller (up to 1600MHz) Processor in LGA1155 socket Memory 8GB max ⁸ , dual-channel capable, PC3-12800 1600MHz DDR3, non-parity, two 240-pin DIMM sockets * System automatically clocks down for processors with 1333MHz memory con Graphics Some: Intel HD Graphics 2500, integrated graphics in processor, uses main mone VGA connector, one HDMI connector, HDCP-compliant Some: NVIDIA® GeForce® GT 620, PCI Express® x16, 1GB memory, DirectX® one VGA connector, one HDMI connector, HDCP-compliant	00,
Implementation	
Memory 8GB max ⁸ , dual-channel capable, PC3-12800 1600MHz DDR3 , non-parity, two 240-pin DIMM sockets * System automatically clocks down for processors with 1333MHz memory con Graphics Some: Intel HD Graphics 2500, integrated graphics in processor, uses main mone VGA connector, one HDMI connector, HDCP-compliant Some: NVIDIA® GeForce® GT 620, PCI Express® x16, 1GB memory, DirectX® one VGA connector, one HDMI connector, HDCP-compliant	
non-parity, two 240-pin DIMM sockets * System automatically clocks down for processors with 1333MHz memory con Graphics Some: Intel HD Graphics 2500, integrated graphics in processor, uses main mone VGA connector, one HDMI connector, HDCP-compliant Some: NVIDIA® GeForce® GT 620, PCI Express® x16, 1GB memory, DirectX® one VGA connector, one HDMI connector, HDCP-compliant	
one VGA connector, one HDMI connector, HDCP-compliant Some: NVIDIA® GeForce® GT 620, PCI Express® x16, 1GB memory, DirectX® one VGA connector, one HDMI connector, HDCP-compliant	itroller
SATA disk 1TB or 2TB, SATA 6.0Gb/s, 7200 rpm	
mSATA SSD None USM portable disk Hard disk dock only, supports SATA Universal Storage Module™ (USM) standard,	.
includes USB 3.0 adapter and USB 3.0 cable	Ŀ
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), three SATA 3.0Gb/s connectors, and one eSATA (occupied on USM portable HDD models)	
Media reader 9-in-1 media reader (MS, MS Pro, SD, SDHC, SDXC, MMC, CF I/CF II, MD)	
Chipset Intel H61 Express Chipset	
Front ports Rear ports Two USB 2.0, microphone (3.5mm), headphone (3.5mm) Four USB 2.0, two USB 3.0 via optional USB 3.0 card on some moels, ethernet (RJ-45), monitor (VGA, HDMI)	
Rear audio ports Audio Speaker Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm), High Definition (HD) audio, ALC662 codec None	
Wireless 11b/g/n wireless ⁴ , PCIe Half Mini Card, Realtek® RTL8188CE Ethernet Gigabit ethernet on planar, Realtek RTL8111F-VB Modem None	
TV tuner None Remote control None	
Keyboard Full-size keyboard (USB connector), Fn keys, black Mouse Optical Wheel Mouse (USB connector), black	
Power supply 280 watts, universal, manual switch	
 Metal Gray (metal brush effect) 6.89" W X 16.10" D X 14.17" H; 175mm W X 409mm D X 360mm H From 24.6 lb (11.2 kg), weight may vary by configuration 	_
Toolless cover removal	
 Toolless disk, optical drive removal Bay ① 5.25", 1.6" high, access, standard optical 	
Bay Bay 2 5.25", 1.6" high, access, open	
Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk	
Bay 5 3.5", 1" high, access, optional USM portable disk	
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 **	
* Graphics adapter in slot on some models, some graphics adapters occupy to ** TV tuner / USB 3.0 card in slot or slot occupied by graphics adapter on some	wo slots e models

Preloaded operating system²⁰ - Windows® 8 64-bit

Preloaded applications¹⁴ (only some

- Lenovo® Rescue System
- Driver and Application Installation Lenovo Cloud Storage by SugarSync
- McAfee® Internet Security (30-Day Trial) Power Control Switch

- Adobe® Reader® Cyberlink PowerDVD (DVD±RW) Cyberlink Power2Go (DVD±RW)
- Microsoft Office preloaded; purchase product key to activate 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 period1 via 877-453-6686

Type-model	Slot x bay	Pro- cessor	GHz	Max turbo (GHz)	Memory ⁸	SATA disk	USM portable disk	SATA optical	Graphics		Remote control	802.11 wireless		Keyboard Mouse	Win 7 preload	Avail date (mm/yy)
3109-1MU 3109-1NU 3109-2FU 3109-2JU 3109-2HU	5x4 5x4	i7-3770 i7-3770 i5-2320 i7-3770 i7-3770	3.40 3.40 3.00 3.40 3.40	3.90 3.90 3.30 3.90 3.90	4GBx3 4GBx2 4GBx3 4GBx2 4GBx3	2TB 2TB 2TB	Dock only Dock only Dock only	DVD±RW DVD±RW DVD±RW	GT 545 1.5G GT 620 1G GT 620 1G GT 620 1G GT 545 1.5G	None None None	None None None	11b/g/n 11b/g/n 11b/g/n 11b/g/n 11b/g/n	450W 280W 280W	USB USB USB	Prem 64 Prem 64 Prem 64 Prem 64 Prem 64	07/12 07/12 07/12 07/12 07/12

- · Power Control Switch; color-coded three-speed switch to easily choose between turbo, auto, and cool running modes
- Tool-free chassis design for easy upgrading and maintenance
- Optional Universal Storage Module portable HDD and dock
- Lenovo Rescue System provides OneKey recovery without booting into Windows
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Processor	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,
Implementation	DDR3 memory controller (up to 1333MHz) Intel Core i7-3770 Processor (4 cores / 8 threads, 3.40 GHz, 8M Cache), Turbo Boost Technology 2.0 (up to 3.90 GHz), integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz) Processor in LGA1155 socket
Memory	32GB max ⁸ , dual-channel capable, PC3-12800 1600MHz DDR3 ,
Memory	non-parity, four 240-pin DIMM sockets * System automatically clocks down for processors with 1333MHz memory controller
Graphics	Some: NVIDIA® GeForce® GT 620, PCI Express® x16, 1GB memory, DirectX® 11, one VGA connector, one HDMI connector, HDCP-compliant Some: NVIDIA GeForce GT 545, PCI Express x16, 1.5GB memory, DirectX 11, one VGA connector, one DVI-I connector, one HDMI connector, HDCP-compliant
SATA disk	2TB , SATA 6.0Gb/s, 7200 rpm
mSATA SSD USM portable disk	None Hard disk dock only, supports SATA Universal Storage Module™ (USM) standard, includes USB 3.0 adapter and USB 3.0 cable
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0 support
SATA optical SATA cables	Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), two SATA 3.0Gb/s connectors,
Media reader	two SATA 6.0Gb/s connectors, and one eSATA (occupied on USM portable HDD models) 9-in-1 media reader (MS, MS Pro, SD, SDHC, SDXC, MMC, CF I/CF II, MD)
Chipset	Intel Z75 Express Chipset
Front ports Rear ports	Two USB 3.0, microphone (3.5mm), headphone (3.5mm) Four USB 2.0, ethernet (RJ-45), monitor (VGA, HDMI, DVI-I on selected models) * Onboard VGA and HDMI connectors are disabled on discrete models
Rear audio ports	Line-in (3.5mm), line-out [Front out L/R] (3.5mm), microphone-in (3.5mm), Cen/LFE (3.5mm), Surround out L/R (3.5mm), S/PDIF out
Audio Speaker	High Definition (HD) audio, ALC892 codec None
Wireless	11b/g/n wireless ⁴ , PCIe Half Mini Card, Realtek® RTL8188CE
Ethernet Modem	Gigabit ethernet on planar, Realtek RTL8111E None
TV tuner Remote control	None None
Keyboard	Full-size keyboard (USB connector), Fn keys, black
Mouse Power supply	Optical Wheel Mouse (USB connector), black
Power supply	Some: 280 watts, universal, manual switch Some: 450 watts, universal, manual switch
Machine	Metal Gray (metal brush effect) 6.89" W X 16.10" D X 14.17" H; 175mm W X 409mm D X 360mm H
	 From 24.6 lb (11.2 kg), weight may vary by configuration Toolless cover removal
Davi	Toolless disk, ontical drive removal
Bay	Bay ① 5.25", 1.6" high, access, standard optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, no access, standard disk
	Ray (4) 2 5" 1" high no access optional disk
Slot	Bay © 3.5", 1" high, access, optional USM portable disk Slot 1: half-length, full-height, PCI Express x16 Ver 3.0 *
Olot	Slot 2: half-length, full-height, PCI Express x1 Ver 2.0 **
	Slot 3: half-length, full-height, PCI Express x16 Ver 3.0 * Slot 4: half-length, full-height, PCI Express x1 Ver 2.0 **
	* Graphics adapter in slot on some models, some graphics adapters occupy two slots

** TV tuner in slot or slot occupied by graphics adapter on some models

Preloaded operating system²⁰
- Genuine Windows® 7

Home Premium 64

Preloaded applications⁵ (only some listed)

Lenovo® OneKey Recovery

- Driver and Application Installation
- McAfee® AntiVirus Plus (60 days of virus definitions)

 • Adobe® Flash® Player

 • Power Control Switch
- CyberLink Power2Go
- (DVD±RW, BD burner) Cyberlink PowerDVD (BD burner)
- Microsoft Office 2010 preloaded; purchase product key to activate
- Windows Live Essentials



- 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 period1 via 877-453-6686

Part number	Slot x bay	Pro- cessor	Memory ⁸	SATA disk	USM portable disk	SATA optical	Graphics			802.11 wireless		Keyboard/ Mouse	Win8 preload	Avail date (mm/yy)
57308924 57308925 57311934	5x4	i5-3350P i7-3770 i7-3770	4GBx3 4GBx3 4GBx4	1TB (RAID 0) 2TB 2TB	Dock only Dock only Dock only	DVD±RW		None	None		280W	ŬŠB	Win8 64 Win8 64 Win8 64	11/12 11/12 11/12

- · Power Control Switch; color-coded three-speed switch to easily choose between turbo, auto, and cool running modes
- Tool-free chassis design for easy upgrading and maintenance
- Optional Universal Storage Module portable HDD and dock
- Lenovo Rescue System provides OneKey recovery without booting into Windows

Processor Implementation	Intel® Core™ i5-3350P Processor (4 cores / 4 threads, 3.10 GHz, 6M Cache), Turbo Boost Technology 2.0 (up to 3.30 GHz), DDR3 memory controller (up to 1600MHz) Intel Core i7-3770 Processor (4 cores / 8 threads, 3.40 GHz, 8M Cache), Turbo Boost Technology 2.0 (up to 3.90 GHz), integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz) Processor in LGA1155 socket
Memory	32GB max ⁸ , dual-channel capable, PC3-12800 1600MHz DDR3 , non-parity, four 240-pin DIMM sockets * System automatically clocks down for processors with 1333MHz memory controller
Graphics	Some: NVIDIA® GeForce® GT 620, PCI Express® x16, 1GB DDR3, DirectX® 11, one VGA connector, one HDMI connector, HDCP-compliant Some: NVIDIA GeForce GT 640, PCI Express x16, 2GB DDR3, DirectX 11, one VGA connector, one HDMI connector, HDCP-compliant Some: AMD Radeon™ HD 7750, PCI Express x16, 1GB GDDR5, DirectX 11, one DisplayPort™ connector, one DVI-I connector, one HDMI connector, HDCP
SATA disk mSATA SSD	1TB (500GB x 2, preset RAID 0) or 2TB (2TB x 1), SATA 6.0Gb/s, 7200 rpm None
	Hard disk dock only, supports SATA Universal Storage Module™ (USM) standard,
SATA controller SATA optical SATA cables Media reader	includes USB 3.0 adapter and USB 3.0 cable Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0 support Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), two SATA 3.0Gb/s connectors, two SATA 6.0Gb/s connectors, and one eSATA (occupied on USM portable HDD models) 9-in-1 media reader (MS, MS Pro, SD, SDHC, SDXC, MMC, CF I/CF II, MD)
	Intel Z75 Express Chipset
Chipset Front ports	
Front ports Rear ports	Two USB 3.0, microphone (3.5mm), headphone (3.5mm) Four USB 2.0, ethernet (RJ-45), monitor* (VGA, HDMI, DVI-I, or DisplayPort, depends on graphics card) * Onboard VGA and HDMI connectors are disabled on discrete models
Audio Speaker Wireless Ethermet	Line-in (3.5mm), line-out [Front out L/R] (3.5mm), microphone-in (3.5mm), Cen/LFE (3.5mm), Surround out L/R (3.5mm), S/PDIF out High Definition (HD) audio, ALC892 codec None 11b/g/n wireless ⁴ , PCIe Half Mini Card, Realtek® RTL8188CE Gigabit ethernet on planar, Realtek RTL8111E None
TV tuner Remote control	None None
Keyboard Mouse Power supply	Full-size keyboard (USB connector), Fn keys, black Optical Wheel Mouse (USB connector), black 280 watts, universal, manual switch
Machine	Metal Gray (metal brush effect) 6.89" W X 16.10" D X 14.17" H; 175mm W X 409mm D X 360mm H From 24.6 lb (11.2 kg), weight may vary by configuration
Вау	 Toolless cover removal Toolless disk, optical drive removal Bay ① 5.25", 1.6" high, access, standard optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, no access, standard disk
Slot	Bay ④ 3.5", 1" high, no access, optional disk Bay ⑤ 3.5", 1" high, access, optional USM portable disk Slot 1: half-length, full-height, PCI Express x16 Ver 3.0 * Slot 2: half-length, full-height, PCI Express x1 Ver 2.0 ** Slot 3: half-length, full-height, PCI Express x16 Ver 3.0 * Slot 4: half-length, full-height, PCI Express x1 Ver 2.0 **
	* Graphics adapter in slot on some models, some graphics adapters occupy two slots

** TV tuner in slot or slot occupied by graphics adapter on some models

Preloaded operating system²⁰ - Windows® 8 64-bit

Preloaded applications¹⁴ (only some

- Lenovo® Rescue System
- Driver and Application Installation Lenovo Cloud Storage by SugarSync
- McAfee® Internet Security
- (30-Day Trial) Power Control Switch
- Adobe® Reader® Nitro PDF
- Cyberlink PowerDVD (DVD±RW)
- Cyberlink Power2Go (DVD±RW) Microsoft Office preloaded; purchase product key to activate
- 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 period1 via 877-453-6686

	Part number	Slot x bay	Pro- cessor	Memory ⁸	SATA disk	USM portable disk	SATA optical	Graphics	Remote control	802.11 wireless		Keyboard Mouse	/ Win8 preload	Avail date (mm/yy)
DSF	57312227 57312225		i7-3770 i7-3770	4GBx4 4GBx4	2TB, 7200 rpm 2TB, 7200 rpm				None None	11b/g/n	625W 625W	2.4G 2.4G	Win8 64 Win8 64	02/13 03/13

- Power Control Switch; color-coded three-speed switch to easily choose between turbo, auto, and cool running modes
- Tool-free chassis design for easy upgrading and maintenance
- Optional Universal Storage Module portable HDD and dock
- Lenovo Rescue System provides OneKey recovery without booting into Windows

Processor Implementation	Intel® Core™ i7-3770 Processor (4 cores / 8 threads, 3.40 GHz, 8M Cache), Turbo Boost Technology 2.0 (up to 3.90 GHz), integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz) Processor in LGA1155 socket	
Memory	32GB max ⁸ , dual-channel capable, PC3-12800 1600MHz DDR3 , non-parity, four 240-pin DIMM sockets * System automatically clocks down for processors with 1333MHz memory controller	
Graphics	Some: AMD Radeon™ HD 7570, PCI Express x16, 2GB memory, DirectX® 11, occupy two slots, one VGA connector, one HDMI connector, HDCP-compliant Some: NVIDIA GeForce GT 630, PCI Express x16, 2GB DDR3, DirectX 11, one VGA connector, one HDMI connector, HDCP-compliant	
SATA disk mSATA SSD USM portable disk	2TB (2TB x 1), SATA 6.0Gb/s, 7200 rpm None Some: 500GB portable hard disk, supports SATA Universal Storage Module™ (USM) standard, includes USB 3.0 adapter and USB 3.0 cable	
SATA controller SATA optical SATA cables Media reader	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0 support Blu-ray TM burner, Blu-ray and DVD disk recordable Two SATA cables (each 1-drop to device), two SATA 3.0Gb/s connectors, two SATA 6.0Gb/s connectors, and one eSATA (occupied on USM portable HDD models) 9-in-1 media reader (MS, MS Pro, SD, SDHC, SDXC, MMC, CF I/CF II, MD)	
Chipset	Intel Z75 Express Chipset	
Front ports Rear ports	Two USB 3.0, microphone (3.5mm), headphone (3.5mm) Four USB 2.0, ethernet (RJ-45), monitor* (VGA, HDMI, DVI-I, or DisplayPort, depends on graphics card) * Onboard VGA and HDMI connectors are disabled on discrete models	
Rear audio ports Audio	Line-in (3.5mm), line-out [Front out L/R] (3.5mm), microphone-in (3.5mm), Cen/LFE (3.5mm), Surround out L/R (3.5mm), S/PDIF out High Definition (HD) audio, ALC892 codec	
Speaker Wireless Ethernet Modem	None Some: 11b/g/n wireless ⁴ , PCIe Half Mini Card, Realtek [®] RTL8188CE Gigabit ethernet on planar, Realtek RTL8111E None	
TV tuner Remote control	None None	
Keyboard Mouse Power supply	2.4G wireless full-size keyboard, 6-row, black 2.4G wireless mouse, black 625 watts, universal, manual switch	
Machine	 Metal Gray (metal brush effect) 6.89" W X 16.10" D X 14.17" H; 175mm W X 409mm D X 360mm H From 24.6 lb (11.2 kg), weight may vary by configuration Toolless cover removal Toolless disk, optical drive removal 	
Bay	Bay ① 5.25", 1.6" high, access, standard optical open Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk	
Slot	Bay (§ 3.5", 1" high, access, optional disk Bay (§ 3.5", 1" high, access, optional USM portable disk Slot 1: half-length, full-height, PCI Express x16 Ver 3.0 * Slot 2: half-length, full-height, PCI Express x1 Ver 2.0 ** Slot 3: half-length, full-height, PCI Express x16 Ver 3.0 * Slot 4: half-length, full-height, PCI Express x1 Ver 2.0 ** * Graphics adapter in slot on some models, some graphics adapters occupy two slots ** TV tuner in slot or slot occupied by graphics adapter on some models	
		1

Preloaded operating system²⁰ - Windows® 8 64-bit

Preloaded applications¹⁴ (only some

- Lenovo® Rescue System
- Driver and Application Installation Lenovo Cloud Storage by SugarSync
- McAfee® Internet Security (30-Day Trial)
 Power Control Switch
- Adobe® Reader® Nitro PDF
- Cyberlink PowerDVD
- Cyberlink Power2Go
- Microsoft Office preloaded; purchase product key to activate
- 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 period¹ via 877-453-6686

Type-model	Slot x bay	Pro- cessor	GHz	Max turbo (GHz)	Memory ⁸	SATA disk	USM portable disk	SATA optical	Graphics			802.11 wireless		Keyboard/ Mouse	Win 7 preload	Avail date (mm/yy
3109-2XU 3109-3AU 3109-3CU 3109-2SU 3109-2RU	5x4 5x4 5x4 5x4 5x4	•	turbo Tool-i Optio Lenov	, auto, a free cha mal Uni vo Reso	and cool ri assis desi iversal Sto cue Syster	unning gn for e rage M n provi	modes easy upgra odule por des OneK	BD burner BD burner e-speed swin ading and matable HDD ar ey recovery		None None None None hoose	Window		280W 280W 280W 280W 280W	USB USB USB USB USB	Prem 64 Prem 64 Prem 64 Prem 64 Pro 64	07/12 07/12

Processor	Intel® Core™ i3-2120 Processor (2 cores / 4 threads, 3.30 GHz, 3M Cache), integrated Intel HD Graphics 2000, DDR3 memory controller (up to 1333MHz) 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, DDR3 memory controller (up to 1333MHz) Intel Core i7-3770 Processor (4 cores / 8 threads, 3.40 GHz, 8M Cache), Turbo Boost Technology 2.0 (up to 3.90 GHz), integrated Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz) Processor in LGA1155 socket	Preloaded operating system ²⁰ - Some: Genuine Windows® 7 Home Premium 64 - Some: Genuine Windows 7 Professional 64 Preloaded applications ⁵ (only some listed) - Lenovo® OneKey Recovery - Driver and Application Installation
Memory	32GB max ⁸ , dual-channel capable, PC3-12800 1600MHz DDR3 , non-parity, four 240-pin DIMM sockets * System automatically clocks down for processors with 1333MHz memory controller	McAfee® AntiVirus Plus (60 days of virus definitions) Adobe® Flash® Player
Graphics	Some: NVIDIA® GeForce® GT 620, PCI Express® x16, 1GB memory, DirectX® 11, one VGA connector, one HDMI connector, HDCP-compliant Some: NVIDIA GeForce GT 545, PCI Express x16, 1.5GB memory, DirectX 11, one VGA connector, one DVI-I connector, one HDMI connector, HDCP-compliant Some: AMD Radeon™ HD 7450, PCI Express x16, 1GB memory, DirectX 11, occupy two slots, one VGA connector, one HDMI connector, HDCP-compliant Some: AMD Radeon™ HD 7570, PCI Express x16, 2GB memory, DirectX 11, occupy two slots, one VGA connector, one HDMI connector, HDCP-compliant	Power Control Switch CyberLink Power2Go (DVD±RW, BD burner) Cyberlink PowerDVD (BD burner) Microsoft Office 2010 preloaded; purchase product key to activate Windows Live Essentials
SATA disk mSATA SSD USM portable dis SATA controller SATA optical SATA cables Media reader	1TB or 2TB, SATA 6.0Gb/s, 7200 rpm None k None Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0 support 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), two SATA 3.0Gb/s connectors, two SATA 6.0Gb/s connectors, and one eSATA (occupied on USM portable HDD models) 9-in-1 media reader (MS, MS Pro, SD, SDHC, SDXC, MMC, CF I/CF II, MD)	
Chipset	Intel Z75 Express Chipset	
Front ports Rear ports Rear audio ports Audio Speaker Wireless Ethernet Modem	Two USB 3.0, microphone (3.5mm), headphone (3.5mm) Four USB 2.0, ethernet (RJ-45), monitor (VGA, HDMI, DVI-I on selected models) * Onboard VGA and HDMI connectors are disabled on discrete models Line-in (3.5mm), line-out [Front out L/R] (3.5mm), microphone-in (3.5mm), Cen/LFE (3.5mm), Surround out L/R (3.5mm), S/PDIF out High Definition (HD) audio, ALC892 codec None None Gigabit ethernet on planar, Realtek RTL8111E None	Senson.
TV tuner Remote control	None None	
Keyboard Mouse Power supply	Full-size keyboard (USB connector), Fn keys, black Optical Wheel Mouse (USB connector), black 280 watts, universal, manual switch	
Machine Bay Slot	 Metal Gray (metal brush effect) 6.89" W X 16.10" D X 14.17" H; 175mm W X 409mm D X 360mm H From 24.6 lb (11.2 kg), weight may vary by configuration Toolless cover removal Toolless disk, optical drive removal Bay ① 5.25", 1.6" high, access, standard optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, no access, standard disk Bay ③ 3.5", 1" high, no access, optional disk Bay ⑤ 3.5", 1" high, access, optional USM portable disk Slot 1: half-length, full-height, PCI Express x1 Ver 2.0 ** Slot 2: half-length, full-height, PCI Express x1 Ver 3.0 * Slot 4: half-length, full-height, PCI Express x1 Ver 2.0 ** 	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 (78Y1552 24x7¹⁴ toll-free support for warranty

* Graphics adapter in slot on some models, some graphics adapters occupy two slots

TV tuner in slot or slot occupied by graphics adapter 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)
- 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





Lenovo IdeaCentre A520 with optional keyboard and mouse



Lenovo IdeaCentre A520 (Some ports only for selected models)



Lenovo IdeaCentre A520



Lenovo IdeaCentre A520



Lenovo IdeaCentre A520



Lenovo IdeaCentre A520

			Multi-					PCIe Mini						Avail
		Widescreen	Touch		SATA	mSATA	SATA	Card	TV	Remote	AC	Keyboard/	Win8	date
Part number Processor	Memory	display	screen	Graphics	disk	SSD	optical	802.11	tuner	control	adapter	Mouse	preload	(mm/yy)
57312891 i3-3130M	4GBx1	23" FHD	Multi	Intel HD 4000	1TR	None	DVD+RW	11h/a/n ²⁸	None	None	120W	2 4G	Win8 64	02/13

- Ultra slim 23" All-In-One PC with a frameless display

- 10-point multi-touch technology for greater accuracy
 Lenovo® Rescue System provides OneKey recovery without booting into Windows
 Dolby Home Theater v4 audio enhancement with two stereo speakers (3W x 2)
- Widely adjustable screen angle (from -5° to 90°) so you can use the touch-screen function in perfect comfort

Processor	Intel® Core™ i3-3130M processor (2 cores / 4 threads, 2.60 GHz, 3MB cache),	Preloaded operating system ²⁰
	DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 4000	- Windows® 8 64-bit
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	Preloaded applications ¹⁴ (only some listed) • Lenovo® Rescue System
SATA optical SATA disk SATA controller mSATA™ SSD	DVD burner, dual-layer support, not removable, 12.7mm high, tray-in 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high Serial ATA, SATA 6.0Gb/s, integrated in chipset None	Driver and Application Installation Lenovo Cloud Storage by SugarSync Lenovo Eye Distance System CyberLink YouCam
Widescreen display Multi-touch	23" (584.2mm) Full HD (1920x1080) TFT color, VibrantView (glossy), LED backlight, Frameless design, IPS panel, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, Viewing angle: 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch	Dolby Home Theater McAfee® Internet Security (30-Day Trial) Cyberlink Power2Go (DVD±RW, BD player)
Camera Controls	HD 720p Camera on top of screen, fixed focus, with digital microphone Touch-sensitive buttons for display on/off, mode switch (PC / HDMI IN / AV IN), Novo Vision, volume up/down, brightness up/down	Adobe® Reader® Nitro PDF Cyberlink PowerDVD® (DVD±RW,
Graphics	Intel HD Graphics 4000, integrated in processor, uses main memory, DirectX® 11	BD player)
Chipset Multicard reader	Mobile Intel HM76 Express Chipset 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, SDHC, SDXC)	Touch Games (Touch models) Education Portal Microsoft Office preloaded;
Ports	Rear: Two USB 2.0 and one USB 3.0, ethernet (RJ-45), TV tuner connector on some model, microphone (3.5 mm), headphone (3.5 mm) Side: One USB 3.0, HDMI in, HDMI out	Intel AppUp® AccuWeather
PCIe Mini Card 11b/g/n²8 TV tuner Bluetooth™ Modem Ethernet	Two PCI Express Mini Card slots 11b/g/n wireless ⁴ , Realtek® RTL8188CUS, via internal USB None Bluetooth 4.0 wireless None Gigabit ethernet on planar, Realtek® RTL8111F	 eBay Evernote Amazon Kindle Lenovo Support Rara Streaming Lenovo Companion
Audio support Security	High Definition (HD) Audio, RealTek ALC272 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (3 watt x 2) Power-on password, administrator password	120-watt or 150-watt AC adapter ENERGY STAR® qualified RoHS-compliant
Keyboard Mouse Remote control	2.4G wireless Ultra Slim keyboard, 6-row, silver 2.4G wireless Laser Wheel Mouse, 1200dpi, silver None	Limited Warranty ¹² > 1-year parts and labor
Dimensions ³ Weight ² Chassis Stand Wall mount Security lock	(WxHxD): 22.35" x 17.4" x 8.9"; 567.8mm x 441.5mm x 224.8mm Monitor only (WxHxD): 22.35" x 13.9" x 0.96"; 567.8mm x 353.0mm x 24.5mm Base only (WxHxD): 13.3" x 1.3" x 8.3"; 337mm x 32mm x 210.8mm 21.60 lb (9.8kg), weight may vary by configuration Silver color; metal shell (Aluminium base cover and hinge), plastic back cover Adjustable stand (between -5° and 90°) None Kensington® Security slot on the rear of base	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

Multi-	PCle Mini	Avail date
Widescreen Touch Part number Processor Memory display screen Graphics	SATA mSATA SATA Card TV Remote AC Keyboard/ Win8 s disk SSD optical 802.11 tuner control adapter Mouse preload	date (mm/yy)
, , , , , , , , , , , , , , , , , , , ,		. ,,,

57308316 i3-2328M 4GBx1 23" FHD *Multi* Intel HD 3000 500GB None BD player 11b/g/n²⁸ None None 120W 2.4G Win8 64 03/13

- Ultra slim 23" All-In-One PC with a frameless display
- 10-point multi-touch technology for greater accuracy
 Lenovo® Rescue System provides OneKey recovery without booting into Windows
- Dolby Home Theater v4 audio enhancement with two stereo speakers (3W x 2)
- Widely adjustable screen angle (from -5° to 90°) so you can use the touch-screen function in perfect comfort

Processor	Intel® Core™ i3-2328M processor (2 cores / 4 threads, 2.20 GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), integrated Intel HD Graphics 3000	Preloaded operating system ²⁰ - Windows® 8 64-bit
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	Preloaded applications ¹⁴ (only some listed) • Lenovo® Rescue System
SATA Blu-ray™ SATA disk SATA controller mSATA™ SSD	Blu-ray disc reader (no Blu-ray media burning), DVD recordable, not removable, 12.7mm high, tray-in 500GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high Serial ATA, SATA 6.0Gb/s, integrated in chipset None	 Driver and Application Installation Lenovo Cloud Storage by SugarSync Lenovo Eye Distance System CyberLink YouCam Dolby Home Theater
Widescreen display Multi-touch Camera Controls	23" (584.2mm) Full HD (1920x1080) TFT color, VibrantView (glossy), LED backlight, Frameless design, IPS panel, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, Viewing angle: 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch HD 720p Camera on top of screen, fixed focus, with digital microphone Touch-sensitive buttons for display on/off, mode switch (PC / HDMI IN / AV IN), Novo Vision, volume up/down, brightness up/down	McAfee® Internet Security (30-Day Trial) Cyberlink Power2Go (DVD±RW, BD player) Adobe® Reader® Nitro PDF Cyberlink PowerDVD® (DVD±RW, BD player)
Graphics	Intel HD Graphics 3000, integrated in processor, uses main memory, DirectX® 10.1	Touch Games (Touch models)
Chipset Multicard reader Ports	Mobile Intel HM76 Express Chipset 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, SDHC, SDXC) Rear: Two USB 2.0 and one USB 3.0, ethernet (RJ-45), TV tuner connector on some model,	Education Portal Microsoft Office preloaded; purchase product key to activate Intel AppUp®
	microphone (3.5 mm), headphone (3.5 mm) Side: One USB 3.0, HDMI in, HDMI out	AccuWeather eBay Evernote
PCIe Mini Card 11b/g/n ²⁸ TV tuner Bluetooth™ Modem	Two PCI Express Mini Card slots 11b/g/n wireless ⁴ , Realtek® RTL8188CUS, via internal USB None Bluetooth 4.0 wireless None	Amazon Kindle Lenovo Support Rara Streaming Lenovo Companion
Ethernet Audio support Security	Gigabit ethernet on planar, Realtek® RTL8111F High Definition (HD) Audio, RealTek ALC272 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (3 watt x 2) Power-on password, administrator password	120-watt or 150-watt AC adapter ENERGY STAR® qualified RoHS-compliant
Keyboard	2.4G wireless Ultra Slim keyboard, 6-row, silver	Limited Warranty ¹²
Mouse Remote control	2.4G wireless Laser Wheel Mouse, 1200dpi, silver None	 → 1-year parts and labor → Customer Replaceable Unit (CRU)
Dimensions ³ Weight ² Chassis Stand Wall mount Security lock	(WxHxD): 22.35" x 17.4" x 8.9"; 567.8mm x 441.5mm x 224.8mm Monitor only (WxHxD): 22.35" x 13.9" x 0.96"; 567.8mm x 353.0mm x 24.5mm Base only (WxHxD): 13.3" x 1.3" x 8.3"; 337mm x 32mm x 210.8mm 21.60 lb (9.8kg), weight may vary by configuration Silver color; metal shell (Aluminium base cover and hinge), plastic back cover Adjustable stand (between -5° and 90°) None Kensington® Security slot on the rear of base	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





Lenovo IdeaCentre A720



Lenovo IdeaCentre A720



Lenovo IdeaCentre A720 with optional 3-in-1 mouse



Lenovo IdeaCentre A720



Lenovo IdeaCentre A720



Lenovo IdeaCentre A720

			Multi-					PCle Mini						Avail	
		Widescreer	Touch		SATA	mSATA	SATA	Card	TV	Remote	AC	Keyboard	/ Win7	date	
Type-model Processor	Memory	display	screen	Graphics	disk	SSD	optical	802.11	tuner	control	adapte	Mouse	preload	(mm/yy)	
2564-3FU i5-3210M	4+2GB	27" FHD	Multi	GT 630M 1GB	500GF	3 None	BD player	11b/a/n ²⁸	ATSC	IR remote	150W	2.4G	Prem 64	1 07/12	

2564-2FU i7-3610QM 4GBx2 27" FHD Multi GT 630M 1GB 750GB None BD player 11b/g/n ATSC IR remote 150W 2.4G Prem 64 07/12

- Ultra slim 27" All-In-One PC with a frameless display; from just 24.5mm thin*
- 10-point multi-touch technology for greater accuracy
 Lenovo® Rescue System provides OneKey recovery without booting into Windows
- Dolby Home Theater v4 audio enhancement with two stereo speakers (3W x 2)
- Widely adjustable screen angle (from -5° to 90°) so you can use the touch-screen function in perfect comfort
- These system are Microsoft® Office 2010 Product Key Ready (O10PKR)
 Measured at thinnest point

Processor	Intel® Core™ i5-3210M processor (2 cores / 4 threads, 2.50 GHz, 3MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000 Intel Core i7-3610QM processor (4 cores / 8 threads, 2.30 GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.30GHz),	Preloaded operating system ²⁰ - Genuine Windows [®] 7 Home Premium 64 Preloaded applications ¹⁴ (only some
	integrated Intel HD Graphics 4000	listed)
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	Lenovo® Rescue System Driver and Application Installation CyberLink YouCam Skype
SATA Blu-ray™	Blu-ray disc reader (no Blu-ray media burning), DVD recordable, not removable, 12.7mm high, slot-in	Dolby Home Theater Lenovo Camera Fun Zone
SATA disk SATA controller mSATA™ SSD	500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high Serial ATA, SATA 6.0Gb/s, integrated in chipset None	McAfee® Internet Security (30-Day Trial) Cyberlink Power2Go (DVD±RW,
Widescreen display	27" (685.8mm) Full HD (1920x1080) TFT color, VibrantView (glossy), LED backlight, Frameless design, VA (Vertical Alignment) technology, 300 nits, 16:9 aspect ratio, 5000:1 contrast ratio	BD player) Cyberlink PowerDVD® (BD player) Lenovo IdeaTouch (Touch models) – PowerCinema
Multi-touch Camera	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch HD 720p Camera on top of screen, supports H.264 encoding, Skype™ certified, fixed focus, with digital microphone	Lenovo VeriTouchPhotoStudio Paint
Controls	Touch-sensitive buttons for display on/off, mode switch (PC / HDMI IN / AV IN), Novo Vision, volume up/down, brightness up/down	 Lenovo Ebook and Quick Notes Touch Games (Touch models) Angry Birds
Graphics	NVIDIA GeForce® GT 630M, PCI Express® x16, 1GB or 2GB DDR3 memory, DirectX® 11, NVIDIA CUDA™ technology	– Fruit Ninja– Snowflake Games (Air Hockey,
Chipset Multicard reader	Mobile Intel HM76 Express Chipset 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, SDHC, SDXC)	Bugs, Card Collect, Piano, and Wong) Windows Live Essentials
Ports	Rear: Two USB 2.0 and one USB 3.0, ethernet (RJ-45), TV tuner connector on some model, microphone (3.5 mm), headphone (3.5 mm) Side: One USB 3.0, HDMI in, HDMI out	purchase product key to activate
PCIe Mini Card 11b/g/n ²⁸ TV tuner	Two PCI Express Mini Card slots 11b/g/n wireless ⁴ , Realtek® RTL8188CUS, via internal USB ATSC tuner, supports analog and digital signal. PCIe Mini Card	150-watt AC adapter ENERGY® STAR 5.0-compliant RoHS-compliant
Bluetooth™ Modem	Bluetooth 2.1 wireless + EDR None	Limited Warranty ¹²
Ethernet Audio support	Gigabit ethernet on planar, Realtek® RTL8111F High Definition (HD) Audio, RealTek ALC272 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (3 watt x 2)	→ 1-year parts and labor → Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³.
Security	Power-on password, administrator password	8 am - 5 pm, Mon - Fri coverage
Keyboard Mouse Remote control	2.4G wireless Ultra Slim keyboard, 6-row, silver 2.4G wireless Laser Wheel Mouse, 1200dpi, silver MCE remote control, via IR	excluding holidays, next business day response time) Service upgrade options
Dimensions ³	(WxHxD): 25.9" x 19.3" x 8.9"; 658mm x 490.5mm x 224.8mm Monitor only (WxHxD): 25.9" x 15.8" x 0.98"; 658mm x 402mm x 24.9mm	(in eligible locations):9 • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y155
Weight ² Chassis Stand Wall mount	Base only (WxHxD): 13.3" x 1.3" x 8.3"; 337mm x 32mm x 210.8mm 25.52 lb (11.6kg), weight may vary by configuration Silver color; metal shell (Aluminium base and hinge), plastic back cover Adjustable stand (between -5° and 90°) None	3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y155 24x7 ¹⁴ toll-free support for warranty issues during the warranty period ¹
Security lock	Kensington® Security slot on the rear of base	via 877-453-6686

Part number Processor		Widescreer display	Multi- Touch screen		SATA disk	mSATA SSD		PCle Mini Card 802.11		Remote control		Keyboard/ Mouse	Win8 preload	Avail date (mm/yy)
57308559 i5-3210M	4+2GB	27" FHD	Multi	GT 630M 1GB	750GB	None	BD player	11b/g/n ²⁸	None	None	150W	2.4G	Win8 64	11/12
57308558 i7-3630QM	4GBx2	27" FHD	Multi	GT 630M 1GB	1TB	None	BD player	11b/g/n	None	None	150W	2.4G	Win8 64	11/12
57313504 i5-3230M	4+2GB	27" FHD	Multi	GT 630M 1GB	750GB	None	BD player	11b/g/n	None	None	150W	2.4G	Win8 64	02/13

- Ultra slim 27" All-In-One PC with a frameless display; from just 24.5mm thin*
- 10-point multi-touch technology for greater accuracy
 Lenovo® Rescue System provides OneKey recovery without booting into Windows
 Dolby Home Theater v4 audio enhancement with wo stereo speakers (3W x 2)
- Widely adjustable screen angle (from -5° to 90°) so you can use the touch-screen function in perfect comfort
 * Measured at thinnest point

Processor	Intel® Core™ i5-3210M processor (2 cores / 4 threads, 2.50 GHz, 3MB cache),	Preloaded operating system ²⁰
1 10003301	DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.10GHz),	- Windows® 8 64-bit
	integrated Intel HD Graphics 4000 Intel Core i5-3230M processor (2 cores / 4 threads, 2.60 GHz, 3MB cache),	Preloaded applications ¹⁴ (only some
	DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.20GHz), integrated Intel HD Graphics 4000	listed) • Lenovo® Rescue System
	Intel Core i7-3630QM processor (4 cores / 8 threads, 2.40GHz, 6MB cache),	Driver and Application InstallationLenovo Cloud Storage by SugarSync
	DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.40GHz), integrated Intel HD Graphics 4000	CyberLink YouCam
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity,	Dolby Home Theater McAfee® Internet Security
	dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	(30-Day Trial) Cyberlink Power2Go (DVD±RW,
SATA Blu-ray™	Blu-ray disc reader (no Blu-ray media burning), DVD recordable, not removable,	BD player) • Adobe® Reader®
SATA disk	12.7mm high, slot-in 750GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high	Nitro PDF
SATA controller mSATA™ SSD	Serial ATA, SATA 6.0Gb/s, integrated in chipset None	Cyberlink PowerDVD® (BD player) Touch Games (Touch models)
Widescreen	27" (685.8mm) Full HD (1920x1080) TFT color, VibrantView (glossy), LED backlight,	Education Portal
display	Frameless design, VA (Vertical Alignment) technology, 300 nits, 16:9 aspect ratio, 5000:1 contrast ratio	Microsoft Office preloaded; purchase product key to activate
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch	Intel AppUp® AccuWeather
Camera	HD 720p Camera on top of screen, supports H.264 encoding, Skype™ certified, fixed focus, with digital microphone	eBay
Controls	Touch-sensitive buttons for display on/off, mode switch (PC / HDMI IN / AV IN), Novo Vision, volume up/down, brightness up/down	Evernote Skype Amazon Kindle
Graphics	NVIDIA GeForce® GT 630M, PCI Express® x16, 1GB or 2GB DDR3 memory, DirectX® 11, NVIDIA CUDA™ technology	Lenovo SupportRara Streaming
Chipset	Mobile Intel HM76 Express Chipset	Lenovo Companion
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, SDHC, SDXC)	
Ports	Rear: Two USB 2.0 and one USB 3.0, ethernet (RJ-45), TV tuner connector on some model, microphone (3.5 mm), headphone (3.5 mm)	
	Side: One USB 3.0, HDMI in, HDMI out	150 watt AC adapter
PCIe Mini Card	Two PCI Express Mini Card slots	150-watt AC adapter ENERGY® STAR 5.0-compliant
11b/g/n ²⁸ TV tuner	11b/g/n wireless⁴, Realtek® RTL8188CUS, via internal USB None	RoHS-compliant
Bluetooth™ Modem	Bluetooth 4.0 wireless None	Limited Warranty ¹²
Ethernet	Gigabit ethernet on planar, Realtek® RTL8111F	→ 1-year parts and labor
Audio support	High Definition (HD) Audio, RealTek ALC272 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (3 watt x 2)	 Customer Replaceable Unit (CRU) parts only (with limited onsite
Security	Power-on password, administrator password	service for selected parts ³ , 8 am - 5 pm, Mon - Fri coverage
Keyboard	2.4G wireless Ultra Slim keyboard, 6-row, silver	excluding holidays, next business
Mouse Remote control	2.4G wireless Laser Wheel Mouse, 1200dpi, silver None	day response time)
Dimensions ³	(WxHxD): 25.9" x 19.3" x 8.9"; 658mm x 490.5mm x 224.8mm	(in eligible locations):9
	Monitor only (WxHxD): 25.9" x 15.8" x 0.98"; 658mm x 402mm x 24.9mm Base only (WxHxD): 13.3" x 1.3" x 8.3"; 337mm x 32mm x 210.8mm	 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552)
Weight ²	25.52 lb (11.6kg), weight may vary by configuration	3-year Lenovo Onsite Repair
Chassis Stand	Silver color; metal shell (Aluminium base and hinge), plastic back cover Adjustable stand (between -5° and 90°)	9x5 Next Business Day (78Y1553) ≈ 24x7 ¹⁴ toll-free support for warranty
Wall mount	None	issues during the warranty period ¹ via 877-453-6686
Security lock	Kensington® Security slot on the rear of base	vid 0//-433-0000

Type-model Pro	ocessor		Widescreer display	Multi- Touch screen			mSATA SSD	SATA optical	PCle Mini Card 802.11	TV tuner	Remote control		Keyboard/ r Mouse	Win7 preload	Avail date (mm/yy)
2564-5CU i7-3 2564-6CU i7-3 2564-7CU i7-3 2564-3CU i7-3	3610QM 3610QM	4GBx2 4GBx2	27" FHD 27" FHD	Multi Multi	GT 630M 2GB GT 630M 2GB	1TB 1TB	64GB	BD player BD player BD player DVD±RW	11b/g/n 11b/g/n	ATSC		150W 150W	2.4G	Prem 64	06/12 06/12

- Ultra slim 27" All-In-One PC with a frameless display; from just 24.5mm thin*

- 10-point multi-touch technology for greater accuracy
 Lenovo® Rescue System provides OneKey recovery without booting into Windows
 Dolby Home Theater v4 audio enhancement with wo stereo speakers (3W x 2)
- Widely adjustable screen angle (from -5° to 90°) so you can use the touch-screen function in perfect comfort
- These system are Microsoft® Office 2010 Product Key Ready (O10PKR)

 * Measured at thinnest point

Processor	Intel® Core™ i7-3610QM processor (4 cores / 8 threads, 2.30 GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.30GHz), integrated Intel HD Graphics 4000	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	Preloaded applications ¹⁴ (only some listed) • Lenovo® Rescue System
SATA optical	Some: DVD burner, dual-layer support, not removable, 12.7mm high, slot-in Blu-ray [™] disc reader (no Blu-ray media burning), DVD recordable, not removable, 12.7mm high, slot-in	Driver and Application Installation CyberLink YouCam Skype
SATA disk SATA controller mSATA™ SSD	1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high Serial ATA, SATA 6.0Gb/s, integrated in chipset Some: 64GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	Dolby Home Theater Lenovo Camera Fun Zone McAfee® Internet Security
Widescreen display	27" (685.8mm) Full HD (1920x1080) TFT color, VibrantView (glossy), LED backlight, Frameless design, VA (Vertical Alignment) technology, 300 nits, 16:9 aspect ratio, 5000:1 contrast ratio	(30-Day Trial) Cyberlink Power2Go (DVD±RW, BD player)
Multi-touch Camera Controls	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch HD 720p Camera on top of screen, supports H.264 encoding, Skype™ certified, fixed focus, with digital microphone Touch-sensitive buttons for display on/off, mode switch (PC / HDMI IN / AV IN),	Cyberlink PowerDVD® (BD player) Lenovo IdeaTouch (Touch models) PowerCinema Lenovo VeriTouch
	Novo Vision, volume up/down, brightness up/down	– PhotoStudio Paint– Lenovo Ebook and Quick Notes
Graphics	NVIDIA GeForce® GT 630M, PCI Express® x16, 1GB or 2GB DDR3 memory, DirectX® 11, NVIDIA CUDA™ technology	Touch Games (Touch models) Angry Birds
Chipset Multicard reader	Mobile Intel HM76 Express Chipset 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, SDHC. SDXC)	- Fruit Ninja - Snowflake Games (Air Hockey, Bugs, Card Collect, Piano,
Ports	Rear: Two USB 2.0 and one USB 3.0, ethernet (RJ-45), TV tuner connector on some model, microphone (3.5 mm), headphone (3.5 mm) Side: One USB 3.0, HDMI in, HDMI out	and Wong) Windows Live Essentials Microsoft Office 2010 preloaded; purchase product key to activate
PCIe Mini Card 11b/g/n ²⁸ TV tuner Bluetooth™ Modem	Two PCI Express Mini Card slots 11b/g/n wireless ⁴ , Realtek® RTL8188CUS, via internal USB Some: ATSC tuner, supports analog and digital signal, PCIe Mini Card Bluetooth 2.1 wireless + EDR None	150-watt AC adapter ENERGY® STAR 5.0-compliant RoHS-compliant
Ethernet Audio support Security	Gigabit ethernet on planar, Realtek® RTL8111F High Definition (HD) Audio, RealTek ALC272 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (3 watt x 2) Power-on password, administrator password	Limited Warranty ¹² ⇒ 1-year parts and labor ⇒ Customer Replaceable Unit (CRU)
Keyboard Mouse Remote control	2.4G wireless Ultra Slim keyboard, 6-row, silver 2.4G wireless Laser Wheel Mouse, 1200dpi, silver Some: MCE remote control, via IR	 parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business
Dimensions ³ Weight ² Chassis Stand Wall mount Security lock	(WxHxD): 25.9" x 19.3" x 8.9"; 658mm x 490.5mm x 224.8mm Monitor only (WxHxD): 25.9" x 15.8" x 0.98"; 658mm x 402mm x 24.9mm Base only (WxHxD): 13.3" x 1.3" x 8.3"; 337mm x 32mm x 210.8mm 25.52 lb (11.6kg), weight may vary by configuration Silver color; metal shell (Aluminium base and hinge), plastic back cover Adjustable stand (between -5° and 90°) None Kensington® Security slot on the rear of base	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

Widescreen Touch SATA mSATA SATA Card TV Remote AC Keyboar		
Part number Processor Memory display screen Graphics disk SSD optical 802.11 tuner control adapter Mouse	d/ Win8 date preload (mm/)	

57312175 i7-3630QM 4GBx2 27" FHD Multi GT 630M 2GB 1TB None BD player 11b/g/n ATSC Remote 150W 2.4G Win8 64 06/13

- Ultra slim 27" All-In-One PC with a frameless display; from just 24.5mm thin*

- 10-point multi-touch technology for greater accuracy
 Lenovo® Rescue System provides OneKey recovery without booting into Windows
 Dolby Home Theater v4 audio enhancement with two stereo speakers (3W x 2)
- Widely adjustable screen angle (from -5° to 90°) so you can use the touch-screen function in perfect comfort
- * Measured at thinnest point

Processor	Intel® Core™ i7-3630QM processor (4 cores / 8 threads, 2.40GHz, 6MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (up to 3.40GHz), integrated Intel HD Graphics 4000	Preloaded operating system ²⁰ - Windows® 8 64-bit
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	Preloaded applications ¹⁴ (only some listed) • Lenovo® Rescue System • Driver and Application Installation
SATA Blu-ray TM SATA disk SATA controller mSATA TM SSD	Blu-ray disc reader (no Blu-ray media burning), DVD recordable, not removable, 12.7mm high, slot-in 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high Serial ATA, SATA 6.0Gb/s, integrated in chipset None	Lenovo Cloud Storage by SugarSync CyberLink YouCam Dolby Home Theater McAfee® Internet Security (30-Day Trial)
Widescreen display	27" (685.8mm) Full HD (1920x1080) TFT color, VibrantView (glossy), LED backlight, Frameless design, VA (Vertical Alignment) technology, 300 nits, 16:9 aspect ratio, 5000:1 contrast ratio Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch	Cyberlink Power2Go (DVD±RW, BD player) Adobe® Reader® Nitro PDF Cyberlink PowerDVD® (BD player)
Camera	HD 720p Camera on top of screen, supports H.264 encoding, Skype™ certified, fixed focus, with digital microphone Touch-sensitive buttons for display on/off, mode switch (PC / HDMI IN / AV IN), Novo Vision, volume up/down, brightness up/down	Touch Games (Touch models) Education Portal Microsoft Office preloaded; purchase product key to activate
Graphics	NVIDIA GeForce® GT 630M, PCI Express® x16, 1GB or 2GB DDR3 memory, DirectX® 11, NVIDIA CUDA™ technology	Intel AppUp® AccuWeather
Chipset Multicard reader Ports	Mobile Intel HM76 Express Chipset 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, SDHC, SDXC) Rear: Two USB 2.0 and one USB 3.0, ethernet (RJ-45), TV tuner connector on some model.	eBay Evernote Skype Amazon Kindle
	microphone (3.5 mm), headphone (3.5 mm) Side: One USB 3.0, HDMI in, HDMI out	Lenovo Support Rara Streaming Lenovo Companion
PCIe Mini Card 11b/g/n ²⁸ TV tuner Bluetooth™	Two PCI Express Mini Card slots 11b/g/n wireless ⁴ , Realtek® RTL8188CUS, via internal USB ATSC TV tuner, PCIe Mini Card Bluetooth 4.0 wireless	150-watt AC adapter ENERGY® STAR 5.0-compliant RoHS-compliant
Modem Ethernet Audio support Security	None Gigabit ethernet on planar, Realtek® RTL8111F High Definition (HD) Audio, RealTek ALC272 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (3 watt x 2) Power-on password, administrator password	Limited Warranty ¹²
Keyboard Mouse Remote control	2.4G wireless Ultra Slim keyboard, 6-row, silver 2.4G wireless Laser Wheel Mouse N70, 1200dpi, silver Remote control, via IR	service for selected parts ³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business
Dimensions ³ Weight ² Chassis Stand Wall mount Security lock	(WxHxD): 25.9" x 19.3" x 8.9"; 658mm x 490.5mm x 224.8mm Monitor only (WxHxD): 25.9" x 15.8" x 0.98"; 658mm x 402mm x 24.9mm Base only (WxHxD): 13.3" x 1.3" x 8.3"; 337mm x 32mm x 210.8mm 25.52 lb (11.6kg), weight may vary by configuration Silver color; metal shell (Aluminium base and hinge), plastic back cover Adjustable stand (between -5° and 90°) None Kensington® Security slot on the rear of base	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) 24x7 ¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686





Horizon 27 Table PC (Desktop mode)



Horizon 27 Table PC



Horizon 27 Table PC with unique Aura UI (Table PC mode)



Horizon 27 Table PC with optional strikers (Table PC mode)



Horizon 27 Table PC Adjustable stand (between 15° and 90°)



Optional accessories (e-dice, striker, and joystick)

Multi- Widescreen Touch Part number Processor Memory display screen Graphics				Graphics	SATA disk	mSATA SSD	PCle Mini Card 802.11		Remote control			E-dice / / Joystick / Striker	Win8 preload	Avail date (mm/yy)	
57315058	i5-3337U	4GBx2	27" FHD	10-point	GT 620M 2GB	1TB	None	11b/g/n ²⁸	None	None	8-cell	2.4G	x1/x2/x2	Win8 64	05/13
57315077	i7-3537U	4GBx2	27" FHD	10-point	GT 620M 2GB	1TB	None	11b/g/n	None	None	8-cell	2.4G	x1/x4/x4	Win8 64	05/13

- 27" multi-mode computer that's both a Table PC and a Desktop
- Aura an unique multi-user interface that allows two or more people to access different photos, videos, and music on the same screen
- Enjoy greater accuracy and ease of use with the 10-point multi-touch display, optimized for Windows 8
- Optional unique Table PC accessories (Joystick, Striker, and E-dice) a completely new digital gaming experience combining the physical gaming accessory with the on-screen action in games like Air Hockey, Raiding Company, and Tycoon
- Optional battery providing up to 2hrs battery life so you can use the device anywhere at home without a power cable
- Dolby Home Theater v4 audio enhancement with two stereo speakers (3W x 2)
- Widely adjustable screen angle (from 15° to 90°) so you can use the touch-screen function in perfect comfort

Processor	Intel® Core™ i5-3337U Processor (2 cores / 4 threads, 1.80GHz, 3MB Cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost Technology 2.0 (up to 2.70GHz),	Preloaded operating system ²⁰ - Windows® 8 64-bit
	integrated Intel HD Graphics 4000 Intel Core i7-3537U processor (2 cores / 4 threads, 2.00GHz, 4MB cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost Technology 2.0 (up to 3.10GHz), integrated Intel HD Graphics 4000	Preloaded applications ¹⁴ (only some listed) Lenovo® Rescue System Lenovo Cloud Storage by SugarSync
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Lenovo Eye Distance System Lenovo App Shop
SATA optical SATA disk SATA controller mSATA™ SSD	None 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high Serial ATA, SATA 6.0Gb/s, integrated in chipset None	CyberLink YouCam McAfee® Internet Security (30-Day) Game Portal Education Portal
Widescreen display	27.0" (685.7mm) Full HD (1920x1080) TFT color, LED backlight, Frameless design, MVA (Multi-domain Vertical Alignment) technology, 300 nits, 5000:1 contrast ratio, 16:9 aspect ratio, viewing angle (horizontal / vertical): 178° (+/- 89°) Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch	Microsoft Office preloaded; purchase product key to activate Aura Lenovo Tycoon
Camera Controls	HD 720p Camera on top of screen, fixed focus, with dual array digital microphone Touch-sensitive buttons for screen rotation (press and hold for 5 seconds to lock/unlock touch buttons), mode switch (PC / HDMI-in / Monitor Off), brightness adjustment, volume up/down	 Lenovo Téxas Hold'em Lenovo Roulette Lenovo Air Hockey Lenovo Fishing Joy
Graphics	NVIDIA® Optimus [™] technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA GeForce GT 620M , PCI Express® x16, 2GB DDR3 memory, DirectX® 11, NVIDIA CUDA™ technology	Lenovo Color Corner Lenovo Best Guess Angry Birds
Chipset Multicard reader	Mobile Intel HM76 Express Chipset 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, SDHC, SDXC)	Snowflake Ubisoft® Raiding Company Ubisoft King of Opera
Ports	Left side: Two USB 3.0, multicard reader, microphone (3.5 mm), headphone (3.5 mm), HDMI in Right side: None	Ubisoft Draw Race 2 HD Open Labs StageLight FilmOn LiveTV
PCIe Mini Card 11b/g/n ²⁸ TV tuner Bluetooth™	Three PCI Express Mini Card slots 11b/g/n wireless ⁴ , PCIe Half Mini Card, Realtek® RTL8188CE or Atheros® AR9485 None Bluetooth 4.0 wireless	 BlueStacks App Player EA™ Monopoly Lenovo Support Lenovo Companion
Modem Ethernet Audio support	None None High Definition (HD) Audio, RealTek ALC272 codec / Dolby® Home Theater® v4 audio enhancement, stereo speakers (3 watt x 2)	120-watt AC adapter ENERGY STAR® qualified RoHS-compliant
Security	Power-on password, administrator password	Limited Warranty ¹²
Keyboard Mouse Remote control	2.4G Wireless Ultra Slim Keyboard, 6-row, silver2.4G Wireless Laser Wheel Mouse N70, 1200dpi, silverNone	 □ 1-year parts and labor □ Customer Replaceable Unit (CRU) parts only (with limited onsite)
Dimensions ³ Weight ² Chassis	(WxHxD): 27.19" x 16.95" x 1.17"; 690.5mm x 430.5mm x 29.8mm 18.21 lb (8.26kg), weight may vary by configuration Front: Black color; PC/ABS / Thermoplastic polyurethane (TPU) frame Rear: Silver color; metal hinge and stand (Aluminium alloy / Tool steel), PC/ABS back cover	service for selected parts ³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
Stand Wall mount Security lock	Adjustable stand (between 15° and 90°) None None	Service upgrade options (in eligible locations): • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552)
Battery - type Battery - life Accessories	Optional battery on selected models, Lithium Polymer 8-cell , 98Wh Up to 2.0 hr Some: E-dice(s)*, with USB charger and dongle, simply shake and roll like a real dice Some: Joystick(s)*, tilt to create directional motion during on-screen actions Some: Striker(s)*, push across screen to strike during on-screen actions * Only functional in selected games and applications	3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) 24x7 ¹⁴ toll-free support for warranty issues during the warranty period via 877-453-6686





Lenovo IdeaCentre B305 with optional bluetooth keyboard and mouse



Lenovo IdeaCentre B305 AV IN and TV IN on some models



Lenovo IdeaCentre B305



Lenovo IdeaCentre B305 with optional PS/2 keyboard and USB mouse



Lenovo IdeaCentre B305



Lenovo IdeaCentre B305

Type-model Processor GI	Muli Widescreen Toud GHz Memory display scre			SATA optical	PCIe Mini Card 802.11	TV tuner	Keyboard/ Mouse	Win7 preload	Avail date
4031-1FU Athlon II X2 235e 2. 4031-3BU Athlon II X2 235e 2. 4031-1GU Athlon II X3 400e 2. 4031-1HU Athlon II X4 600e 2.	2.70 <i>4GB</i> 21.5" FHD <i>Mul</i> 2.20 <i>4GB</i> 21.5" FHD <i>Mul</i>	ti 3000 ti HD 5450	640GB D	VD±RW VD±RW	11b/g/n		BT/BT	Prem 64 Prem 64 Prem 64 Prem 64	Aug 10 Jun 10

- All-In-One design with 21.5" Full HD 16:9 widescreen, multi-touch support
- (Seleted models) Integrated TV tuner
 Lenovo Rescue System provides OneKey recovery without booting into Windows
- These systems are Microsoft Office 2010 Product Key Ready (O10PKR)

Processor	AMD® Athlon™ II X2 Processor 235e with dual-core, 4000MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 tech, int DDR3 memory controller, and 2MB L2 cache (1MB per core) or AMD Athlon II X3 Processor 400e with triple-core, 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 tech, int DDR3 memory controller, and 1.5MB L2 cache (512KB per core) or AMD Athlon II X4 Processor 600e with quad-core, 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 tech, int DDR3 memory controller, and 2MB L2 cache (512KB per core)	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications ¹⁴ (only some listed) • Lenovo® Rescue System • Driver and Application Installation • CyberLink YouCam • McAfee® VirusScan® Plus
Memory	4GB std / 4GB max ⁷ / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available	(60 days of virus definitions) Lenovo Dynamic Brightness System Lenovo Eye Distance System
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, not removable, tray-in 500GB , 640GB , or 1TB , SATA 3.0Gb/s, 7200 rpm, 3.5" wide	Cyberlink Power2Go (DVD±RW) Lenovo IdeaTouch (Touch models)
Widescreen display Camera Controls	21.5" (546.1mm) Full HD (WUXGA 1920x1080) TFT color, VibrantView (glossy), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus, with microphone Buttons for brightness up, brightness down, display on/off, and power on/off	- PowerCinema - Lenovo VeriTouch - AutoCollage Touch • Windows Live Essential • Microsoft® Office 2010 preloaded;
Graphics	Some: ATI™ Radeon™ 3000, integrated graphics in 760G, uses main memory, DirectX® 10; Some: ATI Radeon HD 5450, PCI Express® x16, 512MB memory, DirectX 11, ATI Avivo™ HD	purchase product key to activate
Chipset	AMD 760G Chipset with HyperTransport 3.0 and PCI Express 2.0 support; SB710 south bridge	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, SDHC)	
Ports	Rear: Four USB 2.0, ethernet (RJ-45), keyboard (PS/2), TV tuner connector on some models, IEEE 1394 FireWire 400 (4-pin connector) Side: Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm)	Integrated models: 120-watt AC adapter Discrete models: 130-watt AC adapter ENERGY® STAR 5.0-compliant RoHS-compliant
PCIe Mini Card 11b/g/n²8 TV tuner Bluetooth™ Modem Ethernet Audio support	Two PCI Express Mini Card slots 11b/g/n wireless ⁴ , PCIe Mini Card, Broadcom® chip or Atheros chip Some: Hybrid tuner, support analog and digital signal, PCIe Mini Card Bluetooth 2.1 wireless + EDR None 10/100 ethernet on planar, RealTek® RTL8103EL High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (3 watt x 2) Power-on password, administrator password	Limited Warranty ¹² 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, next business
Keyboard Mouse	Some: Bluetooth full-size keyboard, 6-row, 104-key, black Some: Full-size keyboard (PS/2 connector), Fn keys, black Some: Bluetooth Optical Wheel Mouse, black Some: Optical Wheel Mouse (USB connector), black	day response time) ⇒ Service upgrade options (in eligible locations): • 2-year Lenovo Onsite Repair
Remote control	Some: MCE remote control, via IR	9x5 Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair
Dimensions ³ Weight ² Chassis Stand	(WxHxD): 20.7" x 16.0" x 4.37"; 526mm x 407mm x 111mm Touch models: 24.7 lb (11.2kg) Black color; ABS plastic Adjustable stand (between 15° and 40°)	9x5 Next Business Day (78Y1553)

Type-model	Processor	GHz I		idescreen display		Graphics	SATA disk	SATA optical	PCle Mini Card 802.11	TV	Remote control	Keyboard/ Mouse	Win7 preload	Avail date
4031-1QU	Athlon II X2 235e Athlon II X3 400e Athlon II X4 600e	2.20	4GB 2	21.5" FHD	Multi	HD 5450	500GB	DVD±RW	11b/g/n	TV			Prem 64	Jun 10

- All-In-One design with 21.5" Full HD 16:9 widescreen, multi-touch support
- (Seleted models) Integrated TV tuner
 Lenovo® Rescue System provides OneKey recovery without booting into Windows

Processor	AMD® Athlon™ II X2 Processor 235e with dual-core, 4000MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 tech, int DDR3 memory controller, and 2MB L2 cache (1MB per core) or AMD Athlon II X3 Processor 400e with triple-core, 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 tech, int DDR3 memory controller, and 1.5MB L2 cache (512KB per core) or AMD Athlon II X4 Processor 600e with quad-core, 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 tech, int DDR3 memory controller, and 2MB L2 cache (512KB per core)	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo® Rescue System • Driver and Application Installation • CyberLink YouCam • McAfee® VirusScan® Plus
Memory	2GB or 4GB std / 4GB max ⁷ / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-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	(60 days of virus definitions) Lenovo Dynamic Brightness System Lenovo Eye Distance System Cyberlink Power2Go (DVD±RW)
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, not removable, tray-in 320GB , 500GB , or 640GB , SATA 3.0Gb/s, 7200 rpm, 3.5" wide	Lénovo IdeaTouch (Touch modéls) PowerCinema Longue VeriTouch
Widescreen display Camera Controls	21.5" (546.1mm) Full HD (WUXGA 1920x1080) TFT color, VibrantView (glossy), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus, with microphone Buttons for brightness up, brightness down, display on/off, and power on/off	Lenovo VeriTouch AutoCollage Touch Windows Live Essential Microsoft® Office 2007 Trial (60-day)
Graphics	ATI™ Radeon™ HD 5450, PCI Express® x16, 512MB memory, DirectX® 11, ATI Avivo™ HD	
Chipset	AMD 760G Chipset with HyperTransport 3.0 and PCI Express 2.0 support; SB710 south bridge	
Multicard reader Ports	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, SDHC) Rear: Four USB 2.0, ethernet (RJ-45), keyboard (PS/2), TV tuner connector on some models, IEEE 1394 FireWire 400 (4-pin connector) Side: Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm)	Discrete models: 130-watt AC adapter ENERGY® STAR 5.0-compliant RoHS-compliant
PCIe Mini Card	Two PCI Express Mini Card slots	Limited Warranty ¹²
11b/g/n²8 TV tuner Bluetooth™ Modem Ethernet Audio support	11b/g/n wireless ⁴ , PCIe Mini Card, Broadcom® chip or Atheros chip Some: Hybrid tuner, support analog and digital signal, PCIe Mini Card None None 10/100 ethernet on planar, RealTek® RTL8103EL High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (3 watt x 2) Power-on password, administrator password	 □ 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
Keyboard	Full-size keyboard (PS/2 connector), Fn keys, black	(in eligible locations):9
Mouse Remote control	Optical Wheel Mouse (USB connector), black Some: MCE remote control, via IR	2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552) 3-year Lenovo Onsite Repair
Dimensions ³ Weight ² Chassis Stand	(WxHxD): 20.7" x 16.0" x 4.37"; 526mm x 407mm x 111mm Touch models: 24.7 lb (11.2kg) Black color; ABS plastic Adjustable stand (between 15° and 40°)	9x5 Next Business Day (78Y1553) 24x7 ¹⁴ toll-free support for warranty issues during the warranty period via 877-453-6686

See footnotes for important warranty information US models withdrawn effective March 2014

© Lenovo (BBDS1-2) June 2010





Lenovo IdeaCentre B320 with optional Bluetooth keyboard and mouse



Lenovo IdeaCentre B320 (TV IN, and TV tuner connector on some models)



Lenovo IdeaCentre B320



Lenovo IdeaCentre B320 with optional Bluetooth keyboard and mouse (Hardware TV buttons on some models)



Lenovo IdeaCentre B320 (Hardware TV buttons on some models)



Lenovo IdeaCentre B320

Proc- Type-model essor	Memory	Widescreen display	Touch			SATA disk	Optical	Mini PCle 802.11 wireless				Keyboard/ Mouse	USB3.0	Win7 preload
7760-1CU G620	2GBx2	21.5" FHD	Multi	0.3M	Intel HD	500GB8	DVD±RW	11b/g/n ²⁸			ВТ	BT/BT	None	Prem 64
7760-2QU G620									OneKey TV	Remote	BT	BT/BT	None	Prem 64
7760-2SU i3-2120	4GBx1	21.5" FHD	Multi	0.3M	Intel HD	1TB	DVD ±RW	11b/g/n	OneKey TV	Remote	BT	BT/BT	None	Prem 64
7760-2WU G630	4GBx1	21.5" FHD	Multi	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	OneKey TV	Remote	BT	BT/BT	None	Prem 64
7760-3CU G640	4GBx1	21.5" FHD	Multi	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	•			2.4G/2.4G	None	Prem 64

- 21.5" Full HD frameless display supporting state-of-the-art multi-touch*
- OneKey® TV* turns the display into a High-def TV at the click of a button; you can watch TV even without powering on the PC
- SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)
- * Optional feature

Processor Implementation	Intel® Pentium® G620 Processor (2 cores / 2 threads, 2.60 GHz, 3MB cache), DDR3 memory controller (up to 1066MHz) Intel Pentium G630 Processor (2 cores / 2 threads, 2.70 GHz, 3MB cache), DDR3 memory controller (up to 1066MHz) Intel Pentium G640 Processor (2 cores / 2 threads, 2.80 GHz, 3MB cache), DDR3 memory controller (up to 1066MHz) Intel Core™ i3-2120 Processor (2 cores / 4 threads, 3.30 GHz, 3M Cache) DDR3 memory controller (up to 1333MHz) Processor in FCLGA1155 socket	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo® Rescue System • Driver and Application Installation • McAfee® VirusScan® Plus (60 days of virus definitions)
Memory	4GB std / 8GB max ⁷ / PC3-10600 1333MHz DDR3*, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller	Cyberlink Power2Go (DVD±RW) Lenovo IdeaTouch (Touch models) PowerCinema
Optical SATA disk SATA controller	DVD burner, dual-layer support, 12.7mm, tray-in 500GB or 1TB , SATA 3.0Gb/s, 3.5" wide, 7200 rpm Serial ATA, SATA 3.0Gb/s support, integrated in chipset	Lenovo VeriTouch PhotoStudio Paint Lenovo Ebook and Quick Notes Touch Games (Touch models)
Widescreen display Multi-touch Camera Controls	21.5" (546.1mm) Full HD (1920x1080 WUXGA) TFT color, VibrantView (glossy), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio Multi-touch, 2-point support Camera on top of screen, 0.3-megapixel, fixed focus, with analog microphone Touch-sensitive buttons for menu, direction buttons (left and right), and display on/off; hardware TV buttons on selected models (Channel Up/Down, Volume Up/Down, TV mode menu button, Signal source choice button, and TV power On/Off) Some: Hardware TV, turns the display into a High-def TV at the click of a button (even without powering on the PC)	- Angry Birds - Angry Birds - Happy Hit - Curling - Music Star - Link Up - Funny Cube - Firework - Windows Live Essentials - CyberLink YouCam
Graphics	Intel HD Graphics, integrated in processor, uses main memory, DirectX® 10.1	Microsoft Office 2010 preloaded;
Chipset Multicard reader Ports	Intel H61 Express Chipset 5-in-1 card reader (MMC, MS, MS PRO, SD, SDHC) Rear: Four USB 2.0, one USB 3.0 (on some models), ethernet (RJ-45), keyboard (PS/2), TV-IN connector (on TV models); Side: Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm), Multicard reader	 purchase product key to activate Lenovo Dynamic Brightness System Lenovo Eye Distance System
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 adapter, Broadcom®, Realtek®, or Atheros® chip None	ENERGY STAR® qualified
Bluetooth™ Modem	Some: Bluetooth 2.1 wireless + EDR None	RoHS-compliant
Ethernet Audio support	Gigabit ethernet on planar, Intel 82579V High Definition (HD) Audio, Realtek ALC272 codec / SRS® Premium Sound™, stereo speakers (3 watts x 2)	Limited Warranty¹²
Keyboard	Some: Bluetooth full-size keyboard, 6-row, black	Customer Replaceable Unit (CRU) parts only (with limited onsite
Mouse	Some: 2.4G wireless full-size keyboard, 6-row, black Some: Bluetooth Optical Wheel Mouse, black Some: 2.4G wireless Optical Wheel Mouse, black	service for selected parts ²³ , 8 am - 5 pm, Mon - Fri coverage
Remote control Power supply	Some: 2.43 wheless optical white Mouse, black Some: IR remote control for hardware TV (OneKey TV) 200 watts, universal, auto-sensing	excluding holidays, next business day response time) Service upgrade options
Dimensions ³ Weight ² Chassis Stand VESA mount	Non-touch models: (WxHxD): 21.0" x 16.0" x 2.96"; 534mm x 405.2mm x 75.3mm Non-touch models w/stand: (WxHxD): 21.0" x 16.0" x 4.67"; 534mm x 405.2mm x 118.5mm Touch models: (WxHxD): 21.0" x 16.0" x 3.47"; 534mm x 405.2mm x 88.2mm Touch models w/stand: (WxHxD): 21.0" x 16.0" x 5.17"; 534mm x 405.2mm x 131.4mm From 22.11 lb (10.03 kg), vary by configuration Front: black and silver color; rear: dark gray color Adjustable stand (between 15° and 40°), supports cable management Supports VESA 100mm mount standard	(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 / part number	Proc- essor	Memory	Widescreen display				SATA disk	Optical	Mini PCle 802.11 wireless	OneKey TV	Remote control	Keyboard/ Mouse	USB3.0	Win7 preload
7700 1511	:0.0400	40D::1			<u> </u>	•	4TD8	DVD - DVV	4 4 1- / 28	On al/au TV	ID Damata	DT/DT	Nana	•
7760-1EU	i3-2120	4GBX I	21.5" FHD	IVIUITI	0.3M	HD6450	1TB ⁸	DVD±RW		OneKey TV			None	Prem 64
7760-1DU	i5-2500S	4GBx1	21.5" FHD	Multi	0.3M	HD6450	2TB	DVD±RW	11b/g/n	OneKey TV	IR Remote	BT/BT	None	Prem 64
7760-2UU	i3-2120	4+2GB	21.5" FHD	Multi	0.3M	HD6450	1TB	DVD ±RW	11b/g/n	OneKey TV	IR Remote	BT/BT	None	Prem 64
7760-2TU	i5-2500S	4GBx2	21.5" FHD	Multi	0.3M	HD6450	2TB	DVD±RW	11b/g/n	OneKey TV	IR Remote	BT/BT	None	Prem 64
7760-3FU	i5-2500S	4GBx2	21.5" FHD	Multi	0.3M	HD7450A	2TB	DVD±RW	11b/g/n	,		2.4G/2.4G	None	Prem 64
7760-3EU	i3-2120	4+2GB	21.5" FHD	Multi	0.3M	HD7450A	1TB	DVD±RW	11b/g/n			2.4G/2.4G	None	Prem 64
57312750	i5-3330S	4GBx2	21.5" FHD	Multi	0.3M	HD7450A	2TB	DVD±RW	11b/g/n	OneKey TV	IR + MCE	2.4G/2.4G	None	Prem 64
57312628	i3-2120	4+2GB	21.5" FHD	Multi	0.3M	HD7450A	1TB	DVD±RW	11b/g/n	OneKey TV	IR + MCE	2.4G/2.4G	None	Prem 64

- 21.5" Full HD frameless display supporting state-of-the-art multi-touch*
 OneKey® TV* turns the display into a High-def TV at the click of a button; you can watch TV even without powering on the PC
- SRS Premium Sound provides the ultimate audio experience for music, movies and games on the PC
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)
- * Optional feature

Processor Implementation	Intel® Core™ i3-2120 Processor (2 cores / 4 threads, 3.30 GHz, 3M Cache) DDR3 memory controller (up to 1333MHz) Intel Core i5-2500S Processor (4 cores / 4 threads, 2.70 GHz, 6M Cache) Turbo Boost Technology 2.0 (up to 3.70 GHz), DDR3 memory controller (up to 1333MHz) Intel Core i5-3330S Processor (4 cores / 4 threads, 2.70 GHz, 6M Cache) Turbo Boost Technology 2.0 (up to 3.20 GHz), DDR3 memory controller (up to 1600MHz) Processor in FCLGA1155 socket	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications ¹⁴ (only some listed) • Lenovo® Rescue System
Memory	8GB max ⁷ / PC3-10600 1333MHz DDR3 *, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller	Driver and Application Installation McAfee® VirusScan® Plus (60 days of virus definitions) Cyberlink Power2Go (DVD±RW)
Optical SATA disk SATA controller	DVD burner, dual-layer support, 12.7mm, tray-in 1TB or 2TB , SATA 3.0Gb/s, 3.5" wide, 7200 rpm Serial ATA, SATA 3.0Gb/s support, integrated in chipset	Lénovo IdeaTouch (Touch modéls) PowerCinema Lenovo VeriTouch Desta Chail Deint
Widescreen display Multi-touch Camera Controls	21.5" (546.1mm) Full HD (1920x1080 WUXGA) TFT color, VibrantView (glossy), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio Multi-touch, 2-point support Camera on top of screen, 0.3-megapixel, fixed focus, with analog microphone Touch-sensitive buttons for menu, direction buttons (left and right), and display on/off; hardware TV buttons on selected models (Channel Up/Down, Volume Up/Down, TV mode menu button, Signal source choice button, and TV power On/Off) Some: Hardware TV, turns the display into a High-def TV at the click of a button (even without powering on the PC)	 PhotoStudio Paint Lenovo Ebook and Quick Notes Touch Games (Touch models) Angry Birds Happy Hit Curling Music Star Link Up Funny Cube Firework
Graphics	Some: AMD Radeon™ HD 6450, PCI Express® x16, 1GB memory, DirectX® 11 Some: AMD Radeon HD 7450A, PCI Express x16, 1GB memory, DirectX 11	Windows Live Essentials CyberLink YouCam
Chipset Multicard reader Ports	Intel H61 Express Chipset 5-in-1 card reader (MMC, MS, MS PRO, SD, SDHC) Rear: Four USB 2.0, one USB 3.0 (on some models), ethernet (RJ-45), keyboard (PS/2), TV-IN connector (on TV models); Side: Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm), Multicard reader	Microsoft Office 2010 preloaded; purchase product key to activate Lenovo Dynamic Brightness System Lenovo Eye Distance System
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 adapter, Broadcom®, Realtek®, or Atheros® chip None	
Bluetooth™ Modem	Bluetooth 2.1 wireless + EDR None	ENERGY STAR® qualified RoHS-compliant
Ethernet Audio support	Gigabit ethernet on planar, Intel 82579V High Definition (HD) Audio, Realtek ALC272 codec / SRS® Premium Sound™, stereo speakers (3 watts x 2)	Limited Warranty ¹²
Keyboard	Some: Bluetooth full-size keyboard, 6-row, black Some: 2.4G wireless full-size keyboard, 6-row, black	 □ 1-year parts and labor □ Customer Replaceable Unit (CRU)
Mouse	Some: Bluetooth Optical Wheel Mouse, black Some: 2.4G wireless Optical Wheel Mouse, black	parts only (with limited onsite service for selected parts ²³ ,
Remote control	Some: MCE remote control Some: IR remote control for hardware TV (OneKey TV)	8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
Power supply	200 watts, universal, auto-sensing	Service upgrade options
Dimensions ³ Weight ² Chassis	Non-touch models: (WXHxD): 21.0" x 16.0" x 2.96"; 534mm x 405.2mm x 75.3mm Non-touch models w/stand: (WxHxD): 21.0" x 16.0" x 4.67"; 534mm x 405.2mm x 118.5mm Touch models: (WxHxD): 21.0" x 16.0" x 3.47"; 534mm x 405.2mm x 88.2mm Touch models w/stand: (WxHxD): 21.0" x 16.0" x 5.17"; 534mm x 405.2mm x 131.4mm From 22.11 lb (10.03 kg), vary by configuration Front: black and silver color; rear: dark gray color	(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
Stand VESA mount	Adjustable stand (between 15° and 40°), supports cable management Supports VESA 100mm mount standard	issues during the warranty period ¹² via 877-453-6686





Lenovo IdeaCentre B520 (3D Vision models)



Lenovo IdeaCentre B520 (HDMI-in, TV IN, and TV tuner connector on some models)



Lenovo IdeaCentre B520



Lenovo IdeaCentre B520 with optional Bluetooth keyboard and mouse



Lenovo IdeaCentre B520



Lenovo IdeaCentre B520

Type-model	Proc- essor		Videscreen / display	Touch			SATA disk	Optical		TV		Keyboard/ Mouse		t	HDMI-in AV IN	Win7 preload
7745-2AU	i3-2100	2Gx2	23" FHD	Multi	0.3M	Intel HD	1TB ⁸	DVD±RW	11b/g/n ²⁸	3 TV	Remote	BT/BT	Wall	USB3.0	HDMI/AV	Prem 64
7745-2EU	i7-2600	2Gx3	23" FHD	Multi	0.3M	GT555M 1G	1TB	DVD±RW	11b/g/n	TV	Remote	BT/BT	Wall	USB3.0	HDMI/AV	Prem 64
7745-2FU	i5-2310	2Gx3	23" FHD	Multi	0.3M	GT555M 1G	1TB	DVD±RW	11b/g/n	TV	Remote	BT/BT	Wall	USB3.0	HDMI/AV	Prem 64
7745-2JU	i3-2120	2Gx2	23" FHD	Multi	0.3M	Intel HD	1TB	DVD±RW	11b/g/n	TV	Remote	BT/BT	Wall	USB3.0	HDMI/AV	Prem 64
7745-2KU	i5-2320	2Gx3	23" FHD	Multi	0.3M	GT555M 1G	1TB	DVD±RW	11b/g/n	TV	Remote	BT/BT	Wall	USB3.0	HDMI/AV	Prem 64

- 23" Full HD frameless display supporting state-of-the-art multi-touch* and NVIDIA 3D Vision* technologies
- Integrated TV tuner
- 3-in-1 motion drive wireless mouse* including motion-drive gaming and remote control functions
- Integrated 5.0 speakers (3 watts x 5) supporting SRS Premium Sound audio enhancement
 These systems are Microsoft[®] Office 2010 Product Key Ready (O10PKR)
- * Optional feature

Processor	Intel® Core™ i3-2100 Processor (2 cores / 4 threads, 3.10 GHz, 3M Cache) DDR3 memory controller (up to 1333MHz) Intel Core i3-2120 Processor (2 cores / 4 threads, 3.30 GHz, 3M Cache),	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64
Implementation	DDR3 memory controller (up to 1333MHz) Intel Core i5-2310 Processor (4 cores / 4 threads, 2.90 GHz, 6M Cache) Turbo Boost Technology 2.0 (up to 3.20 GHz), DDR3 memory controller (up to 1333MHz) Intel Core i5-2320 Processor (4 cores / 4 threads, 3.00 GHz, 6M Cache), Turbo Boost Technology 2.0 (up to 3.30 GHz), DDR3 memory controller (up to 1333MHz) Intel Core i7-2600 Processor (4 cores / 8 threads, 3.40 GHz, 8M Cache), Turbo Boost Technology 2.0 (up to 3.80 GHz), DDR3 memory controller (up to 1333MHz) Processor in FCLGA1155 socket	Preloaded applications ¹⁴ (only some listed) Lenovo® Rescue System Driver and Application Installation McAfee® VirusScan® Plus (60 days of virus definitions) Cyberlink Power2Go (DVD±RW, Blu-rav)
Memory	4GB or 6GB std / 16GB max ⁷ / PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, four 204-pin SO-DIMM sockets	Lenovo IdeaTouch (Touch models) – PowerCinema
Optical SATA disk SATA controller	DVD burner, dual-layer support, 12.7mm, tray-in 1TB , SATA 3.0Gb/s or SATA 6.0Gb/s, 3.5" wide, 7200 rpm Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s support, integrated in chipset	- Lenovo VeriTouch - PhotoStudio Paint - Lenovo Ebook and Quick Notes Touch Company (Touch models)
Widescreen display Multi-touch NVIDIA® 3D Visior Camera Controls	23.0" (584.2mm) Full HD (1920x1080 WUXGA) TFT color, VibrantView (glossy), LED backlight, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio, frameless screen Multi-touch, 2-point support none Camera on top of screen, 0.3-megapixel, fixed focus, with analog microphone Touch-sensitive buttons for LED light on/off, volume up/down, brightness up/down, display on/off, Novo Vision, mode switch (PC / HDMI IN / AV IN, depends on configuration)	Touch Games (Touch models) Angry Birds Happy Hit Curling Music Star Link Up Funny Cube Firework
Graphics	Some: Intel HD Graphics 2000, in processor, uses main memory, DirectX® 10.1; Some: NVIDIA® GeForce® GT 555M, PCI Express® x16, 1GB GDDR5, DirectX 11;	Windows Live Essentials CyberLink YouCam
Chipset Multicard reader Ports	Intel H67 Express Chipset Multicard reader (MMC, MS, MS PRO, MSXC, SD, SDHC, SDXC) Rear: Four USB 2.0 (two USB2.0 and two USB3.0 on some models), ethernet (RJ-45), keyboard (PS/2), HDMI-out, HDMI-in (on some models), AV IN (on some models), and TV tuner connector (on TV models); Side: Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm), Multicard reader	Microsoft Office 2010 preloaded; purchase product key to activate Lenovo Dynamic Brightness System* Lenovo Eye Distance System* The software is not compatible with 720p Camera
PCIe Mini Card 11b/g/n ²⁸	Two PCIe Mini Card slots 11b/g/n wireless ⁴ , PCIe Half Mini Card adapter, Broadcom®, Realtek®, or Atheros® chip	ENERGY STAR® qualified RoHS-compliant
TV tuner Bluetooth™ Modem Ethernet Audio support	ATSC tuner, supports analog and digital signal, PCle Mini Card Bluetooth 2.1 wireless + EDR None Gigabit ethernet on planar, Intel 82579V High Definition (HD) Audio, Realtek ALC663 codec / SRS® Premium Sound™, 5.0 speakers (3 watts x 5)	Limited Warranty¹²
Keyboard Mouse Remote control Power supply	Bluetooth full-size keyboard, 6-row, black Bluetooth Optical Wheel Mouse, black MCE remote control, via IR 250 watts, universal, auto-sensing	excluding holidays, next business day response time) Service upgrade options (in eligible locations):9
Dimensions ³ Weight ² Chassis Stand Wall mount	Non-3D models: (WxHxD): 22.35" x 16.80" x 3.01"; 567.8mm x 426.7mm x 76.5mm 3D models: (WxHxD): 22.35" x 16.80" x 3.48"; 567.8mm x 426.7mm x 88.5mm From 22.22 lb (10.08 kg), vary by configuration Front: black and silver color; rear: silver gray color Adjustable stand (between 15° and 40°), supports cable management Wall mount kit, meets VESA 100mm mount standard	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

Proc- Type-model essor		Mini PCle SATA 802.11 TV Re disk Optical wireless tuner co										
7745-1FU i7-2600 4Gx2 23" FHD <i>Multi</i> 3D Vision 0.3M GT555M 2G 2TB® BD reader 11b/g/n²® TV Remote BT/3in1 HDMI// 7745-1GU i7-2600 4Gx2 23" FHD <i>Multi</i> 0.3M GT555M 2G 2TB BD reader 11b/g/n TV Remote BT/3in1 HDMI// 7745-1HU i5-2500 4Gx2 23" FHD <i>Multi</i> 0.3M GT555M 1G 1TB BD reader 11b/g/n TV Remote BT/3in1 HDMI// 7745-1JU i3-2120 2Gx3 23" FHD <i>Multi</i> 0.3M Intel HD 500GB DVD±RW 11b/g/n TV Remote BT/3in1 HDMI// 7745-2LU i3-2120 2Gx3 23" FHD <i>Multi</i> 0.3M Intel HD 1TB DVD±RW 11b/g/n TV Remote BT/3in1 Wall HDMI// 7745-2PU i5-2320 4Gx2 23" FHD <i>Multi</i> 0.3M Intel HD 1TB DVD±RW 11b/g/n TV Remote BT/3in1 Wall HDMI// 7745-2PU i5-2320 4Gx2 23" FHD <i>Multi</i> 0.3M GT555M 1G 1TB BD burner 11b/g/n TV Remote BT/3in1 Wall HDMI// 7745-2PU i7-2600 4Gx2 23" FHD <i>Multi</i> 0.3M GT555M 2G 2TB BD burner 11b/g/n TV Remote BT/3in1 Wall HDMI// 7745-2QU i7-2600 4Gx2 23" FHD <i>Multi</i> 3D Vision 0.3M GT555M 2G 2TB BD burner 11b/g/n TV Remote BT/3in1 Wall HDMI// 7745-2QU i7-2600 4Gx2 23" FHD <i>Multi</i> 3D Vision 0.3M GT555M 2G 2TB BD burner 11b/g/n TV Remote BT/3in1 Wall HDMI// 7745-2QU i7-2600 4Gx2 23" FHD <i>Multi</i> 3D Vision 0.3M GT555M 2G 2TB BD burner 11b/g/n TV Remote BT/3in1 Wall HDMI// 7745-2QU i7-2600 4Gx2 23" FHD <i>Multi</i> 3D Vision 0.3M GT555M 2G 2TB BD burner 11b/g/n TV Remote BT/3in1 Wall HDMI// 7745-2QU i7-2600 4Gx2 23" FHD <i>Multi</i> 3D Vision 0.3M GT555M 2G 2TB BD burner 11b/g/n TV Remote BT/3in1 Wall HDMI// 7745-2QU i7-2600 4Gx2 23" FHD <i>Multi</i> 3D Vision 0.3M GT555M 2G 2TB BD burner 11b/g/n TV Remote BT/3in1 Wall HDMI// 7745-2QU i7-2600 4Gx2 23" FHD <i>Multi</i> 3D Vision 0.3M GT555M 2G 2TB BD burner 11b/g/n TV Remote BT/3in1 Wall HDMI// 7745-2QU i7-2600 4Gx2 23" FHD <i>Multi</i> 3D Vision 0.3M GT555M 2G 2TB BD burner 11b/g/n TV Remote BT/3in1 Wall HDMI// 7745-2QU i7-2600 4Gx2 23" FHD <i>Multi</i> 3D Vision 0.3M GT555M 2G 2TB BD burner 11b/g/n TV Remote BT/3in1 Wall HDMI// 7745-2QU i7-2600 4Gx2 23" FHD <i>Multi</i> 3D Vision 0.3M GT555M 2G 2TB BD burner 11b/g/n TV Remote BT/3in1 Wall HDMI// 7745-2QU i7-2600 4Gx2 23" FHD <i>Multi</i> 3D Vision 0.3M GT555M 2G 2TB BD bu												
Processor	Intel® Core™ i3-2120 Processor (2 cores / 4 threads, 3. integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controll Intel Core i5-2320 Processor (4 cores / 4 threads, 3.00 Turbo Boost Technology 2.0 (up to 3.30 GHz), integrated integrated 1333MHz dual-channel DDR3 memory controll Intel Core i5-2500 Processor (4 cores / 4 threads, 3.30 Turbo Boost Technology 2.0 (up to 3.70 GHz), integrated integrated 1333MHz dual-channel DDR3 memory controll Intel Core i7-2600 Processor (4 cores / 8 threads, 3.40 Turbo Boost Technology 2.0 (up to 3.80 GHz), integrated Integrated 1333MHz dual-channel DDR3 memory controll integrated 1333MHz dual-channel DDR3 memory controll	Ger GHz, 6M Cache) Intel HD Graphics 2000, er GHz, 6M Cache) Intel HD Graphics 2000, er GHz, 8M Cache), Intel HD Graphics 2000,	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo® Rescue System • Driver and Application Installation • McAfee® VirusScan® Plus (60 days of virus definitions) • Cyberlink Power2Go (DVD±RW, Blu-ray) • CyberLink PowerDVD (Blu-ray)									
Implementation Memory	Processor in FCLGA1155 socket 6GB or 8GB std / 16GB max ⁷ / PC3-10600 1333MHz DDF	23 non-parity	Lénovo IdeaTouch (Toùch models)									
	dual-channel capable, four 204-pin SO-DIMM sockets	To, non party,	- PowerCinema - Lenovo VeriTouch									
SATA disk SATA controller Widescreen display Multi-touch NVIDIA® 3D Visior Camera	Some: DVD burner, dual-layer support, 12.7mm, tray-in Some: Blu-ray disc reader (no Blu-ray media burning), D\ Some: Blu-ray™ burner, Blu-ray and DVD disk recordable 500GB, 1TB, or 2TB, SATA 3.0Gb/s or SATA 6.0Gb/s, 3.5 Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s support, inte 23.0" (584.2mm) Full HD (1920x1080 WUXGA) TFT colo Non-3D models: LED backlight, 300 nits, 16:9 aspect rati frameless screen 3D models: CCFL backlight, 400 nits, 16:9 aspect rati support 120MHz, frameless screen Multi-touch, 2-point support Some: NVIDIA 3D Vision support, includes active shutter Camera on top of screen, 0.3-megapixel, fixed focus, with	e, 12.7mm, tray-in "wide, 7200 rpm grated in chipset or, VibrantView (glossy), io, 1000:1 contrast ratio, atio, 1000:1 contrast ratio, r glasses and build-in IR emitter	- PhotoStudio Paint - Lenovo Ebook and Quick Notes Touch Games (Touch models) - Angry Birds - Happy Hit - Curling - Music Star - Link Up - Funny Cube - Firework Windows Live Essentials CyberLink YouCam Microsoft Office 2010 preloaded;									
Controls Graphics	Touch-sensitive buttons for LED light on/off, volume up/do on/off, Novo Vision, mode switch (PC / HDMI IN / AV IN, d Some: Intel HD Graphics, integrated in processor, uses Some: NVIDIA® GeForce® GT 555M, PCI Express® x16, Some: NVIDIA GeForce GT 555M, PCI Express x16, 2G	wn, brightness up/down, display lepends on configuration) main memory, DirectX® 10.1; 1GB GDDR5, DirectX 11;	purchase product key to activate Lenovo Dynamic Brightness System* Lenovo Eye Distance System* * The software is not compatible with 720p Camera									
Chipset Multicard reader Ports	Intel H67 Express Chipset Multicard reader (MMC, MS, MS PRO, MSXC, SD, SDHC, Rear: Four USB 2.0, ethernet (RJ-45), keyboard (PS/2), HDMI-in (on some models), AV IN (on some models and TV tuner connector (on TV models); Side: Two USB 2.0, microphone input jack (3.5 mm), hear	, SDXC) HDMI-out, s),	Ready to install applications (only some listed) Motion Drive Game Zone (The application is included on a CD shipped with 3-in-1 mouse)									
PCle Mini Card 11b/g/n²8 TV tuner Bluetooth™ Modem Ethernet Audio support	Multicard reader Two PCIe Mini Card slots 11b/g/n wireless ⁴ , PCIe Half Mini Card adapter, Broadcom ATSC tuner, supports analog and digital signal, PCIe Mini Bluetooth 2.1 wireless + EDR None Gigabit ethernet on planar, Intel 82579V High Definition (HD) Audio, Realtek ALC663 codec / SRS ⁶ 5.0 speakers (3 watts x 5)	Card	ENERGY STAR® qualified RoHS-compliant Limited Warranty¹² 1-year parts and labor Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts²³,									
Keyboard Mouse Remote control Power supply Dimensions ³ Weight ² Chassis Stand	Bluetooth full-size keyboard, 6-row, black 3-in-1 motion drive Bluetooth wireless mouse, includes reand motion drive game remote control MCE remote control, via IR 250 watts, universal, auto-sensing Non-3D models: (WxHxD): 22.35" x 16.80" x 3.01"; 567.87 3D models: (WxHxD): 22.35" x 16.80" x 3.48"; 567.87 From 22.22 lb (10.08 kg), vary by configuration Front: black and silver color; rear: silver gray color Adjustable stand (between 15° and 40°), supports cable m	mm x 426.7mm x 76.5mm mm x 426.7mm x 88.5mm	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) 24x7 ¹⁶ toll-free support for warranty issues during the warranty period'2									
Wall mount	Some: Wall mount kit, meets VESA 100mm mount stand	dard	via 877-453-6686									

Proc- Type-model essor	Wi Memory	idescreen	Multi- Touch screen	(mega-	•	SATA disk (GB ⁸)		Mini PCle 802.11 wireless			Keyboard/ Mouse	Wall mount kit USB3.0	HDMI-in AV IN	Win7 preload
3111-1MU i3-2120 3111-1NU i5-24008 3111-1PU G630	3 4Gx1 2	3" FHD	Multi	0.3M	Intel HD	1TB	DVD±RW	11b/g/n	OneKey TV	IR Rem	BT/BT	Wall USB3.0 Wall USB3.0 Wall USB3.0	HDMI/AV	

- 23" Full HD frameless display supporting state-of-the-art multi-touch*
- OneKey® TV* turns the display into a High-def TV at the click of a button; you can watch TV even without powering on the PC
- Dolby Home Theater v4 audio enhancement
 These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)
- * Optional feature

Processor	Intel® Pentium® G630 Processor (2 cores / 2 threads, 2.70 GHz, 3MB cache), DDR3 memory controller (up to 1066MHz) Intel Core™ i3-2120 Processor (2 cores / 4 threads, 3.30 GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz) Intel Core i5-2400S Processor (4 cores / 4 threads, 2.50 GHz, 6MB Cache),	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications ¹⁴ (only some
Implementation	Turbo Boost Technology 2.0 (up to 3.30 GHz), DDR3 memory controller (up to 1333MHz) Processor in FCLGA1155 socket	listed) Lenovo® Rescue System Driver and Application Installation
Memory	8GB max ⁷ / PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	McAfee® VirusScan® Plus (60 days of virus definitions)
Optical SATA disk SATA controller	DVD burner, dual-layer support, 12.7mm, tray-in 500GB or 1TB , SATA 3.0Gb/s, 3.5" wide, 7200 rpm Serial ATA, SATA 3.0Gb/s support, integrated in chipset	Cyberlink Power2Go (DVD±RW) Lenovo IdeaTouch (Touch models) PowerCinema Lenovo VoriTouch
Widescreen display Multi-touch Camera Controls	23.0" (584.2mm) Full HD (1920x1080 WUXGA) TFT color, VibrantView (glossy), LED backlight, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio, frameless screen Multi-touch, 2-point support Camera on top of screen, 0.3-megapixel, fixed focus, with analog microphone Touch-sensitive buttons for LED light on/off, volume up/down, brightness up/down, display on/off, Novo Vision, mode switch (PC / HDMI IN / AV IN, depends on configuration) Hardware TV buttons on selected models (Channel Up/Down, Volume Up/Down,	 Lenovo VeriTouch PhotoStudio Paint Lenovo Ebook and Quick Notes Touch Games (Touch models) Angry Birds Happy Hit Curling Music Star
OneKey TV	TV mode menu button, Signal source choice button, and TV power On/Off) Some: Hardware TV, turns the display into a High-def TV at the click of a button (even without powering on the PC)	Link UpFunny CubeFirework
Graphics	Intel HD Graphics in processor, uses main memory	 Windows Live Essentials
Chipset Multicard reader Ports	Intel H61 Express Chipset Multicard reader (MMC, MS, MS PRO, MSXC, SD, SDHC, SDXC) Rear: Four USB 2.0 (two USB2.0 and two USB3.0 on some models), ethernet (RJ-45), HDMI-out, HDMI-in (on some models), AV IN (on some models), and TV tuner connector (on TV models); Side: Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm), Multicard reader	CyberLink YouCam Microsoft Office 2010 preloaded; purchase product key to activate Lenovo Dynamic Brightness System* Lenovo Eye Distance System* The software is not compatible with 720p Camera
PCIe Mini Card 11b/g/n ²⁸ TV tuner	Two PCIe Mini Card slots 11b/g/n wireless ⁴ , PCIe Half Mini Card adapter, Realtek® or Atheros® chip Some: ATSC TV tuner. PCIe Mini Card	ENERGY STAR® qualified RoHS-compliant
Bluetooth™	Bluetooth 2.1 wireless + EDR	Limited Warranty ¹²
Modem Ethernet Audio support	None Gigabit ethernet on planar, Realtek RTL8111E High Definition (HD) Audio, Realtek ALC663 codec / Dolby® Home Theater® v4 certified / 5.0 speakers (3 watts x 5)	 1-year parts and labor Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts²³,
Keyboard Mouse Remote control	Bluetooth full-size keyboard, 6-row, black Bluetooth Optical Wheel Mouse, black Some: MCE remote control, via IR Some: IR remote control for hardware TV (OneKey TV) 250 watts, universal, auto-sensing	8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) Service upgrade options (in eligible locations):9
Dimensions ³ Weight ² Chassis Stand Wall mount	(WxHxD): 22.35" x 16.80" x 3.01"; 567.8mm x 426.7mm x 76.5mm From 22.22 lb (10.08 kg), vary by configuration Front: black and silver color; rear: silver gray color Adjustable stand (between 15° and 40°), supports cable management Wall mount kit, meets VESA 100mm mount standard	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







(HDMI-in, TV IN, and TV tuner connector on some models)



Lenovo IdeaCentre B540



with keyboard and mouse



Lenovo IdeaCentre B540



Type-model	Proc- l essor	Memory	Wide- screen display			Graphics	SATA disk		Mini PCle 802.11 wireless	TV tuner	Remote control	Key- board/ Mouse	HDMI-ii AV IN	า USB 3.0	Blue- tooth	Win7 preload	Avail date (mm/yy)
2568-2SU	G640	4Gx1	23" FHD	Multi	720p	Intel HD	500GB8	DVD±RW	11b/g/n ²⁸	None	None	2.4G	None	USB3.0	ВТ	Prem 64	1 07/12
2568-2RU	i3-2120	4Gx1	23" FHD	Multi	720p	Intel HD 2000	1TB	DVD ±RW	11b/g/n	None	None	2.4G	None	USB3.0	BT	Prem 64	1 07/12
2568-2YU	i3-2120	4+2G	23" FHD	Multi	720p	Intel HD 2000	1TB	DVD±RW	11b/g/n	None	None	2.4G	None	USB3.0	BT	Prem 64	1 12/12

- 23" Full HD frameless display supporting state-of-the-art multi-touch* and FPR 3D technologies*
- Integrated TV tuner*
- 2.4G wireless keyboard and mouse
 Integrated 2.0 speakers (3 watts x 2) supporting Dolby Advanced Audio v2
 These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)
- * Optional feature

Processor Implementation	Intel® Pentium® G640 Processor (2 cores / 2 threads, 2.80 GHz, 3M Cache) integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Intel Core™ i3-2120 Processor (2 cores / 4 threads, 3.30 GHz, 3M Cache) integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller Processor in FCLGA1155 socket	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo® Rescue System
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1066MHz or 1333MHz DDR3 memory controller	Lenovo® Hescue System Driver and Application Installation McAfee® Internet Security (30-day Trial) Cyberlink Power2Go (DVD±RW,
Optical SATA disk SATA controller	DVD burner, dual-layer support, 12.7mm, tray-in 500GB or 1TB , SATA 6.0Gb/s, 3.5" wide, 7200 rpm Serial ATA, SATA 3.0Gb/s support, integrated in chipset	Blu-ray) CyberLink PowerDVD (Blu-ray) Lenovo IdeaTouch (Touch models)
Widescreen display Multi-touch FPR 3D Camera Controls	23.0" (584.2mm) Full HD (1920x1080 WUXGA) TFT color, VibrantView (glossy), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, frameless screen Projected Capacitive Touch (PCT) technology, hardware supports 10-point multi-touch None Camera on top of screen, HD720p resolution, fixed focus, with digital microphone Touch-sensitive buttons for LED light on/off, volume up/down, brightness up/down, display on/off, Novo Vision, mode switch (PC / HDMI IN / AV IN, depends on configuration)	 PowerCinema Lenovo VeriTouch PhotoStudio Paint Lenovo Ebook and Quick Notes Touch Games (Touch models) Angry Birds Happy Hit Curling
Graphics	Intel HD Graphics or Intel HD Graphics 2000, integrated in processor, uses main memory, DirectX® 10.1;	Music Star Link Up
Chipset Multicard reader Ports	Intel H61 Express Chipset Multicard reader (MMC, MS, MS PRO, MSXC, SD, SDHC, SDXC) Rear: Four USB 2.0 (two USB2.0 and two USB3.0 on some models), ethernet (RJ-45), HDMI-out, HDMI-in (on some models), AV IN (on some models), and TV tuner connector (on TV models); Side: Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm), Multicard reader	- Funny Cube - Firework • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate
PCIe Mini Card 11b/g/n ²⁸ TV tuner	Two PCIe Mini Card slots 11b/g/n wireless ⁴ , PCIe Half Mini Card adapter, Broadcom®, Realtek®, or Atheros® chip None	ENERGY STAR® qualified RoHS-compliant Limited Warranty ¹²
Bluetooth™ Modem Ethernet Audio support	Bluetooth wireless None Gigabit ethernet on planar, Realtek® RTL 8111F High Definition (HD) Audio, Realtek ALC272 codec / Dolby® Advanced Audio™ v2, 2.0 speakers (3 watts x 2)	 → 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
Keyboard Mouse Remote control Power supply	2.4G wireless Ultra Slim keyboard, 6-row, Fn keys, black 2.4G wireless Laser Wheel Mouse, black None 200 watts, universal, auto-sensing	excluding holidays, next business day response time) Service upgrade options (in eligible locations):9
Dimensions ³ Weight ² Chassis Stand Wall mount	Non-3D models: (WxHxD): 22.70" x 16.22" x 4.34"; 576.6mm x 411.9mm x 110.3mm From 24.25 lb (11.00 kg), vary by configuration Front: black with silver; rear: black with silver Adjustable stand (between 15° and 40°), supports cable management None	 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			Graphics	SATA disk		Mini PCle 802.11 wireless	TV	Remote control				Blue- tooth	Win8 preload	Avail date (mm/yy)
57308828	G645	4Gx1	23" FHD	Multi	720p	Intel HD	500GB8	DVD±RW	11b/g/n	None	None	2.4G	None	USB3.0	BT4.0	Win8 64	1 11/12
57308886	i3-2130	4Gx1	23" FHD	Multi	720p	Intel HD 2000	1TB	DVD ±RW	11b/g/n	None	None	2.4G	None	USB3.0	BT4.0	Win8 64	1 11/12
57311411	i5-3330S	4+2G	23" FHD	Multi	720p	Intel HD 2500	1TB	BD Player	11b/g/n	None	None	2.4G	None	USB3.0	BT4.0	Win8 64	1 11/12
57312430	i3-3220	4+2G	23" FHD	Multi	720p	Intel HD 2500	1TB	DVD±ŔW	11b/g/n	None	None	2.4G	None	USB3.0	BT4.0	Win8 64	1 03/13

- 23" Full HD frameless display supporting state-of-the-art multi-touch* and FPR 3D technologies*

- Integrated TV tuner*
 2.4G wireless keyboard and mouse
 Integrated 2.0 speakers (3 watts x 2) supporting Dolby Advanced Audio v2
- * Optional feature

Processor Implementation	Intel® Pentium® G645 Processor (2 cores / 2 threads, 2.90 GHz, 3M Cache) DDR3 memory controller (up to 1066MHz), integrated Intel HD Graphics Intel Core™ i3-2130 Processor (2 cores / 4 threads, 3.40 GHz, 3M Cache) DDR3 memory controller (up to 1333MHz), integrated Intel HD Graphics 2000 Intel Core i3-3220 Processor (2 cores / 4 threads, 3.30 GHz, 3M Cache) DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 2500 Intel Core i5-3330S Processor (4 cores / 4 threads, 2.70 GHz, 6M Cache), DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 3.20 GHz), integrated Intel HD Graphics 2500 Processor in FCLGA1155 socket	Preloaded operating system ²⁰ - Windows® 8 64-bit Preloaded applications¹⁴ (only some listed) • Lenovo® Rescue System • Driver and Application Installation • Lenovo Cloud Storage by SugarSync • CyberLink YouCam • McAfee® Internet Security
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1066MHz or 1333MHz DDR3 memory controller	(30-Day Trial) Cyberlink Power2Go (DVD±RW, BD player) Adobe® Reader® Nitro PDF
Optical SATA disk SATA controller	Some: DVD burner, dual-layer support, 12.7mm, tray-in Some: Blu-ray disc reader (no Blu-ray media burning), DVD recordable, 12.7mm, tray-in 500GB or 1TB , SATA 6.0Gb/s, 3.5" wide, 7200 rpm Serial ATA, SATA 3.0Gb/s support, integrated in chipset	Cyberlink PowerDVD® (BD player) Touch Games (Touch models) Education Portal Microsoft Office preloaded;
Widescreen display Multi-touch FPR 3D Camera Controls	23.0" (584.2mm) Full HD (1920x1080 WUXGA) TFT color, VibrantView (glossy), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, frameless screen Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch None Camera on top of screen, HD720p resolution, fixed focus, with digital microphone Touch-sensitive buttons for LED light on/off, volume up/down, brightness up/down, display	 purchase product key to activate Intel AppUp® Lenovo Dynamic Brightness System Lenovo Eye Distance System AccuWeather eBay Evernote
Graphics	on/off, Novo Vision, mode switch (PC / HDMI IN / AV IN, depends on configuration) Intel HD Graphics, Intel HD Graphics 2000, or Intel HD Graphics 2500, integrated in processor, uses main memory, DirectX® 10.1	Amazon Kindle Lenovo Support Rara Streaming
Chipset Multicard reader Ports	Intel H61 Express Chipset Multicard reader (MMC, MS, MS PRO, MSXC, SD, SDHC, SDXC) Rear: Four USB 2.0 (two USB2.0 and two USB3.0 on some models), ethernet (RJ-45), HDMI-out, HDMI-in (on some models), AV IN (on some models), and TV tuner connector (on TV models); Side: Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm),	Lenovo Companion ENERGY STAR® qualified RoHS-compliant
	Multicard reader	·
PCIe Mini Card 11b/g/n²8 TV tuner Bluetooth™ Modem Ethernet Audio support	Two PCIe Mini Card slots 11b/g/n wireless⁴, PCIe Half Mini Card adapter, Broadcom®, Realtek®, or Atheros® chip None Bluetooth 4.0 wireless None Gigabit ethernet on planar, Realtek® RTL 8111F High Definition (HD) Audio, Realtek ALC272 codec / Dolby® Advanced Audio™ v2, 2.0 speakers (3 watts x 2)	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 Power supply	2.4G wireless Ultra Slim keyboard, 6-row, Fn keys, black 2.4G wireless Laser Wheel Mouse, black None 200 watts, universal, auto-sensing	 Service upgrade options (in eligible locations):⁹ 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552)
Dimensions ³ Weight ² Chassis Stand Wall mount	Non-3D models: (WxHxD): 22.70" x 16.22" x 4.34"; 576.6mm x 411.9mm x 110.3mm From 24.25 lb (11.00 kg), vary by configuration Front: black with silver; rear: black with silver Adjustable stand (between 15° and 40°), supports cable management None	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

Proc- Type-model essor	Memory	Wide- screen y display			Camer (mega pixel)	-	SATA disk		Mini PCle 802.11 OneKey wireless TV		Key- board/ Mouse	USB3.0	Win7 preload	Avail date (mm/yy)
2568-1VU i3-2120	4Gx2	23" FHD			720p	HD Graphics	1TB ⁸	DVD±RW	11b/g/n	MCE Remote	2.4G	USB3.0	Prem 64	06/12
2568-1JU i5-24009	S 4Gx2	23" FHD	Multi			GF615M 1G				MCE Remote	2.4G	USB3.0	Prem 64	06/12
2568-1RU i3-2120	4Gx2	23" FHD	Multi		720p	GF615M 1G	2TB	DVD ±RW	11b/g/n	MCE Remote	2.4G	USB3.0	Prem 64	07/12
2568-2DU i5-34508	S 4Gx2	23" FHD	Multi		720p	GF615M 1G	1TB	DVD±RW	11b/g/n	MCE Remote	2.4G	USB3.0	Prem 64	10/12
2568-2GU i5-34509	S 4Gx2	23" FHD	Multi	3D	720p	GF615M 2G	2TB	BD burner	· 11b/g/n OneKey T\	/ IR Remote	2.4G	USB3.0	Prem 64	10/12

- 23" Full HD frameless display supporting state-of-the-art multi-touch* and FPR 3D technologies*
- Integrated TV tuner*
- 2.4G wireless keyboard and mouse
- Integrated stereo speakers (3 watts x 2) supporting Dolby Advanced Audio v2
 These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)
- * Optional feature

Processor Implementation	Intel® Core™ i3-2120 Processor (2 cores / 4 threads, 3.30 GHz, 3M Cache) integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller Intel Core i5-2400S Processor (4 cores / 4 threads, 2.50 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 i5-3450S Processor (4 cores / 4 threads, 2.80 GHz, 6M Cache) Turbo Boost Technology 2.0 (up to 3.50 GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Processor in FCLGA1155 socket	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo® Rescue System • Driver and Application Installation • McAfee® Internet Security (30-day Trial) • Cyberlink Power2Go (DVD±RW,
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	Blu-ray) CyberLink PowerDVD (Blu-ray) Lenovo IdeaTouch (Touch models)
Optical SATA disk SATA controller	Some: DVD burner, dual-layer support, 12.7mm, tray-in Some: Blu-ray™ burner, Blu-ray and DVD disk recordable, 12.7mm, tray-in 1TB or 2TB, SATA 6.0Gb/s, 3.5" wide, 7200 rpm Serial ATA, SATA 3.0Gb/s support, integrated in chipset	- PowerCinema - Lenovo VeriTouch - PhotoStudio Paint - Lenovo Ebook and Quick Notes
Widescreen display Multi-touch FPR 3D Camera Controls	23.0" (584.2mm) Full HD (1920x1080 WUXGA) TFT color, VibrantView (glossy), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, frameless screen Some: Projected Capacitive Touch (PCT) technology, hardware supports 10-point Some: Support FPR 3D technology, 2 pairs of FPR glasses Camera on top of screen, HD720p resolution, fixed focus, with digital microphone Touch-sensitive buttons for LED light on/off, volume up/down, brightness up/down, display on/off, Novo Vision, mode switch (PC / HDMI IN / AV IN, depends on configuration) Hardware TV buttons on OneKey TV models (Channel Up/Down, Volume Up/Down, TV mode menu button, Signal source choice button, and TV power On/Off) Some: Hardware TV, turns the display into a High-def TV at the click of a button (even	Touch Games (Touch models) Angry Birds Happy Hit Curling Music Star Link Up Funny Cube Firework Windows Live Essentials CyberLink YouCam Microsoft Office 2010 preloaded;
Graphics	without powering on the PC) Some: Intel HD Graphics, integrated in processor, uses main memory, DirectX® 10.1; Some: NVIDIA® GeForce® 615M, PCI Express® x16, 1GB DDR3, DirectX 11; Some: NVIDIA GeForce 615M, PCI Express x16, 2GB DDR3, DirectX 11	purchase product key to activate
Chipset Multicard reader Ports	Intel H61 Express Chipset Multicard reader (MMC, MS, MS PRO, MSXC, SD, SDHC, SDXC) Rear: Four USB 2.0 (two USB2.0 and two USB3.0 on some models), ethernet (RJ-45), HDMI-out, HDMI-in (on OneKey TV models), AV IN (on OneKey TV models), and TV tuner connector (on TV models); Side: Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm), Multicard reader	ENERGY STAR® qualified
PCIe Mini Card	Two PCIe Mini Card slots	RoHS-compliant
11b/g/n²8 TV tuner Bluetooth™ Modem Ethernet Audio support	11b/g/n wireless⁴, PCle Half Mini Card adapter, Broadcom®, Realtek®, or Atheros® chip None None None Gigabit ethernet on planar, Realtek® RTL 8111F High Definition (HD) Audio, Realtek ALC272 codec / Dolby® Advanced Audio™ v2, stereo speakers (3 watts x 2)	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
Keyboard Mouse Remote control	2.4G wireless Ultra Slim keyboard, 6-row, Fn keys, black 2.4G wireless Laser Wheel Mouse, black Some: MCE remote control, via IR Some: IR remote control for hardware TV (OneKey TV) 200 watts, universal, auto-sensing	day response time) Service upgrade options (in eligible locations): 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1552)
Dimensions ³ Weight ² Chassis Stand Wall mount	Non-3D models: (WxHxD): 22.70" x 16.22" x 4.34"; 576.6mm x 411.9mm x 110.3mm From 24.25 lb (11.00 kg), vary by configuration Front: black with silver; rear: black with silver Adjustable stand (between 15° and 40°), supports cable management None	3-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1553) 24x7 ¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

number cessor	Memory displa	n Touch y screen			SATA disk	Optical	802.11 TV wireless tuner	Remote control	Mouse	AV IN	USB 3.0	Blue- tooth	Win8 preload	date (mm/yy)
57311751 i3-3220 57311756 i5-33308		D	720p	Intel HD 2500	2TB ⁸	DVD±RW	11b/g/n None	Remote	2.4G	None	USB3.0	BT4.0	Win8 64	1 01/13

- 23" Full HD frameless display supporting state-of-the-art multi-touch* and FPR 3D technologies*
- Integrated TV tuner*
- 2.4G wireless keyboard and mouse
- Integrated 2.0 speakers (3 watts x 2) supporting Dolby Advanced Audio v2
- * Ontional feature

Processor	Intel® Core™ i3-3220 Processor (2 cores / 4 threads, 3.30 GHz, 3M Cache) DDR3 memory controller (up to 1600MHz), integrated Intel HD Graphics 2500,	Preloaded operating system ²⁰ - Windows® 8 64-bit
Implementation	Intel Core i5-3330S Processor (4 cores / 4 threads, 2.70 GHz, 6M Cache), DDR3 memory controller (up to 1600MHz), Turbo Boost Technology 2.0 (up to 3.20 GHz), integrated Intel HD Graphics 2500 Processor in FCLGA1155 socket	Preloaded applications ¹⁴ (only some listed) Lenovo® Rescue System Driver and Application Installation
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1066MHz or 1333MHz DDR3 memory controller	Lenovo Cloud Storage by SugarSync CyberLink YouCam McAfee® Internet Security (30-Day Trial)
Optical SATA disk SATA controller	DVD burner, dual-layer support, 12.7mm, tray-in 2TB , SATA 6.0Gb/s, 3.5" wide, 7200 rpm Serial ATA, SATA 3.0Gb/s support, integrated in chipset	Cyberlink Power2Go (DVD±RW, BD player) Adobe® Reader®
Widescreen display Multi-touch FPR 3D Camera Controls	23.0" (584.2mm) Full HD (1920x1080 WUXGA) TFT color, VibrantView (glossy), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, frameless screen Some: Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch None Camera on top of screen, HD720p resolution, fixed focus, with digital microphone Touch-sensitive buttons for LED light on/off, volume up/down, brightness up/down, display on/off, Novo Vision, mode switch (PC / HDMI IN / AV IN, depends on configuration)	Nitro PDF Cyberlink PowerDVD® (BD player) Touch Games (Touch models) Education Portal Microsoft Office preloaded; purchase product key to activate Intel AppUp® Lenovo Dynamic Brightness System
Graphics	Some: Intel HD Graphics 2500, integrated in processor, uses main memory, DirectX® 11 Some: NVIDIA® GeForce® 615M, PCI Express x16, 1GB DDR3, DirectX 11	Lenovo Eye Distance System AccuWeather
Chipset Multicard reader Ports	Intel H61 Express Chipset Multicard reader (MMC, MS, MS PRO, MSXC, SD, SDHC, SDXC) Rear: Four USB 2.0 (two USB2.0 and two USB3.0 on some models), ethernet (RJ-45), HDMI-out, HDMI-in (on some models), AV IN (on some models), and TV tuner connector (on TV models); Side: Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm), Multicard reader	e Bay Evernote Amazon Kindle Lenovo Support Rara Streaming Lenovo Companion
PCIe Mini Card 11b/g/n²8 TV tuner Bluetooth™	Two PCIe Mini Card slots 11b/g/n wireless ⁴ , PCIe Half Mini Card adapter, Broadcom®, Realtek®, or Atheros® chip None Bluetooth 4.0 wireless	ENERGY STAR® qualified RoHS-compliant
Modem Ethernet Audio support	None Gigabit ethernet on planar, Realtek® RTL 8111F High Definition (HD) Audio, Realtek ALC272 codec / Dolby® Advanced Audio™ v2, 2.0 speakers (3 watts x 2)	Limited Warranty ¹²
Keyboard Mouse Remote control Power supply	2.4G wireless Ultra Slim keyboard, 6-row, Fn keys, black 2.4G wireless Laser Wheel Mouse, black Remote control, via IR 200 watts, universal, auto-sensing	parts only (with limited onsite service for selected parts ²³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business
Dimensions ³ Weight ² Chassis Stand Wall mount	Non-3D models: (WxHxD): 22.70" x 16.22" x 4.34"; 576.6mm x 411.9mm x 110.3mm From 24.25 lb (11.00 kg), vary by configuration Front: black with silver; rear: black with silver Adjustable stand (between 15° and 40°), supports cable management None	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) 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686

Proc- screen Type-model essor Memory display	Touch FPF		•	SATA disk	Optical	Mini PCle 802.11 wireless	TV tuner	OneKey TV	Key- board/ Mouse		HDMI-in AV IN	Win7 preload (Ann date mm/yy)
3363-1BU i7-3770 4Gx3 23" FHI 3363-1CU i7-3770 4Gx4 23" FHI 3363-1DU i5-3450 4Gx2 23" FHI	D Multi 3D	720p	GT650M 2G	2TB	BD Burner	11b/g/n	None	OneKey T\	/ 2.4G	None	HDMI+AV	Prem 64	09/12

- 23" Full HD frameless display supporting state-of-the-art multi-touch* and FPR 3D technologies*
- Integrated TV tuner*
- 2.4G wireless keyboard and mouse
- Integrated 2.0 speakers (5 watts x 2) supporting DOLBY Advanced Audio v2
 These systems are Microsoft[®] Office 2010 Product Key Ready (O10PKR)
- * Optional feature

Processor Implementation	Intel® Core™ i5-3450 Processor (4 cores / 4 threads, 3.10 GHz, 6M Cache) Turbo Boost Technology 2.0 (up to 3.50 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, 8M 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 FCLGA1155 socket	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo® Rescue System • Driver and Application Installation			
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3 , non-parity, dual-channel capable, four 204-pin SO-DIMM sockets	McAfee® Internet Security (30-Day Trial)			
Optical SATA disk SATA controller	Some: Blu-ray [™] disc reader (no Blu-ray media burning), DVD recordable, 12.7mm, tray-in Some: Blu-ray burner, Blu-ray and DVD disk recordable, 12.7mm, tray-in 2TB , SATA 6.0Gb/s, 3.5" wide, 7200 rpm Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s support, integrated in chipset	Cyberlink Power2Go (DVD±RW, Blu-ray) CyberLink PowerDVD (Blu-ray) Lenovo IdeaTouch (Touch models)			
Widescreen display Multi-touch FPR 3D Camera Controls OneKey TV	23.0" (584.2mm) Full HD (1920x1080 WUXGA) TFT color, VibrantView (glossy), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, frameless screen Projected Capacitive Touch (PCT) technology, hardware supports 10-point multi-touch Some: Support FPR 3D technology, 2 pairs of FPR glasses Camera on top of screen, HD720p resolution, fixed focus, with digital microphone Touch-sensitive buttons for LED light on/off, volume up/down, brightness up/down, display on/off, Novo Vision, mode switch (PC / HDMI IN / AV IN, depends on configuration) Hardware TV, turns the display into a High-def TV at the click of a button (even without powering on the PC)	 PowerCinema Lenovo VeriTouch PhotoStudio Paint Lenovo Ebook and Quick Notes Touch Games (Touch models) Angry Birds Happy Hit Curling Music Star Link Up 			
Graphics	NVIDIA® GeForce® GT650M, PCI Express® x16, 1GB or 2GB DDR3, DirectX 11;	- Funny Cube			
Chipset Multicard reader Ports	Intel H77 Express Chipset Multicard reader (MMC, MS, MS PRO, SD, SDHC, SDXC) Rear: Two USB 3.0, two USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in (on some models), AV IN (on some models); Side: Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm),	Firework Windows Live Essentials CyberLink YouCam Microsoft Office 2010 preloaded; purchase product key to activate			
PCIo Mini Cord	Multicard reader Two PCIs Mini Cord slate	ENERGY STAR® qualified			
PCIe Mini Card 11b/g/n ²⁸ TV tuner	Two PCIe Mini Card slots 11b/g/n wireless ⁴ , PCIe Half Mini Card adapter, Broadcom®, Realtek®, or Atheros® chip None	RoHS-compliant Limited Warranty ¹²			
Bluetooth™ Modem Ethernet Audio support	None None Gigabit ethernet on planar, Realtek® RTL 8111F High Definition (HD) Audio, Realtek ALC272 codec / Dolby® Advanced Audio™ v2, 2.0 speakers (5 watts x 2)	 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 			
Keyboard Mouse Remote control Power supply	2.4G wireless full-size keyboard, 6-row, black 2.4G wireless mouse, black IR remote control for hardware TV (OneKey TV) 250 watts, universal, auto-sensing	excluding holidays, next business day response time) Service upgrade options (in eligible locations):9			
Dimensions ³ Weight ² Chassis Stand Wall mount	(WxHxD): 22.70" x 16.22" x 4.34"; 576.6mm x 411.9mm x 110.3mm From 24.25 lb (11.00 kg), vary by configuration Front: black with silver decoration; rear: black with silver decoration Adjustable stand (between 15° and 40°), supports cable management Meets VESA 100mm mount standard	 2-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1 3-year Lenovo In-Home Repair 9x5 Next Business Day (78Y1 24x7¹⁵ toll-free support for warrar issues during the warranty period via 877-453-6686 			





Lenovo IdeaCentre Q180



Lenovo IdeaCentre Q180 (Discrete graphics models)



Optional Lenovo Mini Wireless Keyboard N5902 (57Y6678)



Lenovo IdeaCentre Q180 Discrete graphics models



Lenovo IdeaCentre Q180
Discrete graphics models with optical drive



Lenovo IdeaCentre Q180 (Integrated graphics models)

Type-model / Part number Processor	L2 GHz cache	Memory ⁸	SATA disk	External optical	Graphics	TV tuner	Remote 802.11 control wireless	Color	Keyboard/ Mouse	Win7 preload	Avail date (mm/yy)
3110-2KU Atom D2700 3110-2NU Atom D2700 3110-2LU Atom D2700 57308562 Atom D2550 57308563 Atom D2550	2.13 1MB 2.13 1MB 1.86 1MB	2GBx1 4GBx1 2GBx1	320GB ² 320GB 320GB 320GB 320GB	DVD±RW DVD±RW DVD±RW	HD 6450A HD 6450A HD 7450A	None None None	None 11b/g/n ²⁸ None 11b/g/n None 11b/g/n None 11b/g/n None 11b/g/n	Black/Silver Black/Silver Black/Silver	2.4GHz 2.4GHz 2.4GHz	Prem 64 Prem 64 Prem 64 Prem 64	02/12 02/12 07/12 11/12 11/12

- · IdeaCentre Q series provide ultimate multimedia experience for home entertainment
- Tiny desktop PC, compact space-saving design, just from 22 mm wide Attaches to the back of selected VESA-compatible monitor for better space saving (Selected models) Add-on DVD reader/writer or Blu-ray Disk drive
- Lossless digital audio output with S/PDIF
- Support 1080p full HD multimedia playback and 3D gaming
 Lenovo® Rescue System provides OneKey recovery without booting into Windows

Processor	Intel® Atom™ D2550 processor (2 cores / 4 threads, 1.86GHz, 1MB cache), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology Intel Atom D2700 processor (2 cores / 4 threads, 2.13GHz, 1MB cache), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications ¹⁴ (only some
Memory	2GB or 4GB std, 4GB max ⁸ , PC3-10600 1333MHz DDR3, non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1066MHz DDR3 memory controller	listed) Lenovo Rescue System Driver and Application Installation McAfee® VirusScan® Plus
Graphics	Some: AMD Radeon™ HD 6450A Graphics, DirectX® 11, 512MB memory, Full HD (1080p) playback support Some: AMD Radeon HD 7450A Graphics, DirectX 11, 512MB memory, Full HD (1080p) playback support External monitor support via analog VGA DB-15 connector / digital HDMI connector	(60 days of virus definitions) • CyberLink PowerDVD (Blu-ray)
SATA disk SATA controller External optical Multicard reader	320GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide Serial ATA, SATA 3.0Gb/s, integrated in NM10 chipset Some: DVD burner, dual-layer support, slot-in 8-in-1 (SD, SDHC, SDXC, MMC, MS, MS Pro, MS Pro Duo, MS XC)	
Chipset	Intel NM10 Express Chipset	
Front ports Rear ports Audio External speakers Internal speaker	None	65-watt AC adapter ENERGY STAR® qualified RoHS-compliant
Ethernet Modem	Gigabit ethernet on planar, Realtek RTL8111E-VL None	Limited Warranty ¹
Security chip 11b/g/n²8 TV tuner Remote control Camera	None 11b/g/n wireless ⁴ , Realtek RTL8188CE None None None	 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, often next business day response time)
Keyboard Mouse	2.4GHz Wireless Mini Keyboard N5902, palm-sized dimensions, keyboard and mouse (optical finger navigation) combo, via micro-size USB receiver None	Service upgrade options (in eligible locations): • 2-year Lenovo Onsite Repair 9x5
Dimensions ³ Weight ² Chassis Stand Mount bracket	w/o optical (excludes stand): (WxHxD): 6.10" x 0.87" x 7.56"; 155mm x 22mm x 192mm with optical (excludes stand): (WxHxD): 6.10" x 1.57" x 7.56"; 155mm x 40mm x 192mm From 5.25 lb (2.38 kg) to 8.02 lb (3.64 kg), vary by configuration Black and silver color Detachable stand (silver color) Mount bracket, meets the VESA 75mm and 100mm mount standard	often Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair 9x5 often 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 withdrawn effective March 2014

© Lenovo (BAFF1-2) November 2012

Type-model	Processor	GHz	L2 cache	Memory ⁸	SATA disk	SATA optical	Graphics	TV tuner		802.11 wireless	Color	Keyboard/ Mouse	Win7 preload	Avail date (mm/yy)
3110-2AU	Atom D2700	2.13	1MB	2GBx1	500GB ²		HD 6450A	None	None	11b/g/n ²⁸	Black/Silver	USB/USB	Prem 64	11/11
3110-2BU	Atom D2700	2.13	1MB	4GBx1	500GB	DVD±RW	HD 6450A	None	None	11b/g/n	Black/Silver	USB/USB	Prem 64	11/11
3110-2CU	Atom D2700	2.13	1MB	4GBx1	750GB	DVD±RW	HD 6450A	None	None	11b/g/n	Black/Silver	2.4GHz	Prem 64	11/11
3110-2DU	Atom D2700	2.13	1MB	4GBx1	750GB	Blu-ray	HD 6450A	None	None	11b/g/n	Black/Silver	2.4GHz	Prem 64	11/11
3110-2VU	Atom D2550	1.86	1MB	4GBx1	500GB	-	HD 7450A	None	None	11b/g/n	Black/Silver	USB/USB	Prem 64	09/12
3110-2WU	Atom D2550	1.86	1MB	4GBx1	500GB	DVD±RW	HD 7450A	None	None	11b/g/n	Black/Silver	2.4GHz	Prem 64	10 12
3110-2YU	Atom D2550	1.86	1MB	4GBx1	750GB	Blu-ray	HD 7450A	None	None	11b/g/n	Black/Silver	2.4GHz	Prem 64	11/12
3110-2XU	Atom D2550	1.86	1MB	4GBx1	750GB	DVD±ŘW	HD 7450A	None	None	11b/g/n	Black/Silver	2.4GHz	Prem 64	11/12

- IdeaCentre Q series provide ultimate multimedia experience for home entertainment
- Tiny desktop PC, compact space-saving design, just from 22 mm wide Attaches to the back of selected VESA-compatible monitor for better space saving (Selected models) Add-on DVD reader/writer or Blu-ray Disk drive

- Lossless digital audio output with S/PDIF Support 1080p full HD multimedia playback and 3D gaming Lenovo® Rescue System provides OneKey recovery without booting into Windows

		T			
Processor	Intel® Atom™ D2550 processor (2 cores / 4 threads, 1.86GHz, 1MB cache), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology Intel Atom D2700 processor (2 cores / 4 threads, 2.13GHz, 1MB cache), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications ¹⁴ (only some			
Memory	2GB or 4GB std, 4GB max ⁸ , PC3-10600 1333MHz DDR3, non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1066MHz DDR3 memory controller	isted) Lenovo Rescue System Driver and Application Installation McAfee® VirusScan® Plus			
Graphics	Some: AMD Radeon™ HD 6450A Graphics, DirectX® 11, 512MB memory, Full HD (1080p) playback support Some: AMD Radeon HD 7450A Graphics, DirectX 11, 512MB memory, Full HD (1080p) playback support External monitor support via analog VGA DB-15 connector / digital HDMI connector	(60 days of virus definitions)CyberLink PowerDVD (Blu-ray)			
SATA disk SATA controller External optical Multicard reader	500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide Serial ATA, SATA 3.0Gb/s, integrated in NM10 chipset Some: DVD burner, dual-layer support, slot-in Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, slot-in 8-in-1 (SD, SDHC, SDXC, MMC, MS, MS Pro, MS Pro Duo, MS XC)				
Chipset	Intel NM10 Express Chipset				
Front ports Rear ports	Two USB 3.0, line-in (stereo, 3.5mm), line-out (stereo, 3.5mm) Four USB 2.0 (external ODD occupies one dedicated USB 2.0 port in some models), ethernet (RJ-45), monitor (VGA DB-15, HDMI), S/PDIF-out				
Audio External speakers Internal speaker Ethernet Modem	High Definition (HD) audio, Realtek® ALC662 codec None None Gigabit ethernet on planar, Realtek RTL8111E-VL None	65-watt AC adapter ENERGY STAR® qualified RoHS-compliant			
Security chip	None	Limited Warranty ¹			
11b/g/n ²⁸ TV tuner Remote control Camera	11b/g/n wireless⁴, Realtek RTL8188CE None None None	□ 1-year parts and labor □ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts ³ , 8 am - 5 pm, □ Fire parts 3 and 1 pholidays □ The parts 3 and 1			
Keyboard	Some: Mini Keyboard (USB connector), black Some: 2.4GHz Wireless Mini Keyboard N5902, palm-sized dimensions, keyboard and mouse (optical finger navigation) combo, via micro-size USB receiver Some: Mini Optical Wheel Mouse (USB connector), black	Mon - Fri coverage excluding holidays, often next business day response time) Service upgrade options (in eligible locations):9			
Mouse Dimensions ³	w/o optical (excludes stand): (WxHxD): 6.10" x 0.87" x 7.56"; 155mm x 22mm x 192mm	 2-year Lenovo Onsite Repair 9x5 often Next Business Day (78Y1552) 			
Weight ² Chassis Stand Mount bracket	with optical (excludes stand): (WXHXD): 6.10 x 0.87 x 7.36; 155mm x 22mm x 192mm from 5.25 lb (2.38 kg) to 8.02 lb (3.64 kg), vary by configuration Black and silver color Detachable stand (silver color) Mount bracket, meets the VESA 75mm and 100mm mount standard	3-year Lenovo Onsite Repair 9x5 often 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) announced November 28, 2012; November 23, 2011 or September 19 or October 24, 2012 US models withdrawn effective March 2014





Lenovo IdeaCentre Q190



Lenovo IdeaCentre Q190 (with optical drive)



Lenovo IdeaCentre Q190



Lenovo IdeaCentre Q190 (with optical drive)



Optional Lenovo Mini Wireless Keyboard N5902 (57Y6678)



Lenovo IdeaCentre Q190

Type-model / Part number Processor	L2 GHz cache	Memory ⁸	SATA disk	External optical	Graphics	Chipset	TV tuner	802.11 wireless	Color	Keyboard/ Mouse	Win8 preload	Avail date (mm/yy)
57313339 Celeron 887 57313340 Celeron 887			500GB ² 320GB		Intel HD graphics Intel HD graphics						Win8 64 Win8 64	

- IdeaCentre Q series provide ultimate multimedia experience for home entertainment
 Tiny desktop PC, compact space-saving design, from just 22 mm wide
 Attaches to the back of selected VESA-compatible monitor for better space saving

- (Selected models) Add-on DVD reader/writer or Blu-ray Disk drive Lossless digital audio output with S/PDIF
- Lenovo® Rescue System provides OneKey recovery without booting into Windows

Processor	Intel® Celeron® 887 processor (2 cores / 2 threads, 1.50GHz, 2MB cache), DDR3 memory controller (up to 1333MHz), integrated Intel HD Graphics	Preloaded operating system ²⁰ - Windows® 8 64-bit
Memory	8GB max ⁸ , PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller	Preloaded applications¹⁴ (only some listed) • Lenovo® Rescue System
Graphics	Intel HD Graphics or Intel HD Graphics 3000, integrated in processor, External monitor support via analog VGA DB-15 connector / digital HDMI connector	Driver and Application Installation Lenovo Cloud Storage by SugarSync McAfee® Internet Security
SATA disk SATA controller External optical Multicard reader	320GB (5400 rpm) or 500GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide Serial ATA, SATA 6.0Gb/s, integrated in HM70 or HM76 chipset <i>Some:</i> DVD burner, dual-layer support, slot-in 6-in-1 (SD, SDHC, SDXC, MMC, MS, MS Pro)	(30-Day Trial) • Adobe® Reader® • Microsoft Office 2010 preloaded; purchase product key to activate
Chipset	Mobile Intel HM70 Express Chipset or Mobile Intel HM76 Express Chipset	Cyberlink Power2Go (DVD±RW models, Blu-ray models)
Front ports Rear ports	Two USB 3.0, line-in (stereo, 3.5mm), line-out (stereo, 3.5mm) Four USB 2.0 (external ODD occupies one dedicated USB 2.0 port on some models), ethernet (RJ-45), monitor (VGA DB-15, HDMI), S/PDIF-out, Kensington® Security slot	Cyberlink PowerDVD (DVD±RW models, Blu-ray models) Lenovo Support
Audio External speakers Internal speaker Ethernet	None Gigabit ethernet on planar, Realtek RTL8111F-CG	Lenovo Companion
Modem Security chip	None None	65-watt AC adapter ENERGY STAR® qualified
11b/g/n ²⁸	11b/g/n wireless ⁴ , Realtek RTL8188EE or RTL8188CE	RoHS-compliant
TV tuner Remote control	None None	Limited Warranty ¹
Camera	None	 1-year parts and labor Customer Replaceable Unit (CRU)
Keyboard	2.4GHz Wireless Mini Keyboard N5902, palm-sized dimensions, keyboard and mouse (optical finger navigation) combo, via micro-size USB receiver	parts only (with limited onsite service for selected parts ³ , 8 am - 5 pm,
Mouse	None	Mon - Fri coverage excluding holidays,
Dimensions ³	w/o optical (excludes stand): (WxHxD): 6.10" x 0.87" x 7.56"; 155mm x 22mm x 192mm with optical (excludes stand): (WxHxD): 6.10" x 1.57" x 7.56"; 155mm x 40mm x 192mm	often next business day response time)
Weight ² Chassis Stand	From 5.25 lb (2.38 kg) to 7.01 lb (3.18 kg), vary by configuration Black and silver color Detachable stand (silver color)	(in eligible locations): • 2-year Lenovo Onsite Repair 9x5 often Next Business Day (78Y1552)
Mount bracket	Mount bracket, meets the VESA 75mm and 100mm mount standard	3-year Lenovo Onsite Repair 9x5 often 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 withdrawn effective March 2014

© Lenovo

(BAFF2-2) February 2013

Type-model / Part number Processor	L2 GHz cache	Memory ⁸	SATA disk	External optical	Graphics	Chipset	TV tuner	802.11 wireless	Color	Keyboard/ Mouse	Win8 preload	Avail date (mm/yy)
57312250 Celeron 887	1.50 2MB	4GBx1	500GB ²	None	Intel HD graphics	HM70	None	11b/g/n ²⁸	Black/Silver	USB/USB	Win8 64	12/12
57312246 Celeron 887	1.50 2MB	4GBx1	1TB		Intel HD graphics							
57312240 i3-2365M	1.40 3MB	4GBx1	1TB	DVD±RW	Intel HD 3000	HM76	None	11b/g/n	Black/Silver	N5902	Win8 64	01/13
57312245 i3-2365M	1.40 3MB	8GBx1	1TB	Blu-ray	Intel HD 3000	HM76	None	11b/g/n	Black/Silver	N5902	Win8 64	02/13

- IdeaCentre Q series provide ultimate multimedia experience for home entertainment
- Tiny desktop PC, compact space-saving design, from just 22 mm wide Attaches to the back of selected VESA-compatible monitor for better space saving
- (Selected models) Add-on DVD reader/writer or Blu-ray Disk drive Lossless digital audio output with S/PDIF
- Lenovo® Rescue System provides OneKey recovery without booting into Windows

Processor	Intel® Celeron® 887 processor (2 cores / 2 threads, 1.50GHz, 2MB cache), DDR3 memory controller (up to 1333MHz), integrated Intel HD Graphics Intel Core™ i3-2365M processor (2 cores / 4 threads, 1.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), integrated Intel HD Graphics 3000	Preloaded operating system ²⁰ - Windows [®] 8 64-bit Preloaded applications ¹⁴ (only some listed)
Memory	8GB max ⁸ , PC3-12800 1600MHz DDR3 , non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller	Lenovo® Rescue System Driver and Application Installation Lenovo Cloud Storage by SugarSynce
Graphics	Intel HD Graphics or Intel HD Graphics 3000, integrated in processor, External monitor support via analog VGA DB-15 connector / digital HDMI connector	McAfee® Internet Security (30-Day Trial) Adobe® Reader®
SATA disk SATA controller External optical Multicard reader	500GB (5400 rpm) or 1TB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide Serial ATA, SATA 6.0Gb/s, integrated in HM70 or HM76 chipset Some: DVD burner, dual-layer support, slot-in Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, slot-in 6-in-1 (SD, SDHC, SDXC, MMC, MS, MS Pro)	Microsoft Office 2010 preloaded; purchase product key to activate Cyberlink Power2Go (DVD±RW models, Blu-ray models) Cyberlink PowerDVD (DVD±RW
Chipset	Mobile Intel HM70 Express Chipset or Mobile Intel HM76 Express Chipset	models, Blu-ray models) Lenovo Support
Front ports Rear ports Audio	Two USB 3.0, line-in (stereo, 3.5mm), line-out (stereo, 3.5mm) Four USB 2.0 (external ODD occupies one dedicated USB 2.0 port on some models), ethernet (RJ-45), monitor (VGA DB-15, HDMI), S/PDIF-out, Kensington® Security slot High Definition (HD) audio, Realtek® ALC662 codec	Lenovo Companion
External speakers Internal speaker Ethernet Modem		65-watt AC adapter ENERGY STAR® qualified RoHS-compliant
Security chip	None	Limited Warranty ¹
11b/g/n ²⁸ TV tuner Remote control Camera	11b/g/n wireless⁴, Realtek RTL8188EE or RTL8188CE None None None	 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,
Keyboard Mouse	Some: Full-size keyboard (USB connector), Fn keys, black Some: 2.4GHz Wireless Mini Keyboard N5902, palm-sized dimensions, keyboard and mouse (optical finger navigation) combo, via micro-size USB receiver Some: Optical Wheel Mouse (USB connector), black	often next business day response time) Service upgrade options (in eligible locations): • 2-year Lenovo Onsite Repair 9x5
Dimensions ³ Weight ² Chassis Stand Mount bracket	w/o optical (excludes stand): (WxHxD): 6.10" x 0.87" x 7.56"; 155mm x 22mm x 192mm with optical (excludes stand): (WxHxD): 6.10" x 1.57" x 7.56"; 155mm x 40mm x 192mm From 5.25 lb (2.38 kg) to 7.01 lb (3.18 kg), vary by configuration Black and silver color Detachable stand (silver color) Mount bracket, meets the VESA 75mm and 100mm mount standard	often Next Business Day (78Y1552) • 3-year Lenovo Onsite Repair 9x5 often 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) announced February 21, 2013; December 13, 2012 or January 30, 2013

US models withdrawn effective March 2014

© Lenovo

(BAFF2-1) February 2013





Lenovo IdeaCentre D400



Lenovo IdeaCentre D400



Lenovo IdeaCentre D400



Lenovo IdeaCentre D400 (rear view)







Lenovo IdeaCentre D400 (left view)

Type-model	Processor	GHz	L2 cache	Memory	³ s	SATA disks	SATA optical	Graphics	eSATA	Ethernet Color	`Preload	Avail date
3013-1AU	Atom 230	1.60	512KB	1GB	1TB ²	(1TB, 0, 0, 0)	None	GMA 950	eSATA	Gigabit Black	Windows Home Server	Sep 09
3013-1BU	Atom 230	1.60	512KB	1GB	2TB	(1TB, 1TB, 0, 0)	None	GMA 950	eSATA	Gigabit Black	Windows Home Server	Sep 09
3013-1CU	Atom 230	1.60	512KB	1GB	1TB	(1TB, 0, 0, 0)	None	GMA 950	eSATA	Gigabit Black	Windows Home Server	Sep 09
3013-1DU	Atom 230	1.60	512KB	1GB	2TB	(1TB, 1TB, 0, 0)	None	GMA 950	eSATA	Gigabit Black	Windows Home Server	Sep 09

- A Digital home storage, smaller than a 9 inch cube and built to store/share music, movies, files and more.

- Easy plug-and-play set up and convenient remote access.
 Provides four 3.5 inch bays for hard disks, up to 8TB capacity.
 Easy USB file transfer, pressing one button to copy USB drive contents to the internal hard drives.

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		
Memory	1GB std, 2GB max ⁸ , PC2-6400 800MHz DDR2, non-parity, one 240-pin DIMM socket Non-Italics: standard memory in socket; no sockets available	• 14.3 lb (6.5 Bay ① 3.5", Bay ② 3.5",	s kg) for maximum configuration 1" high, external, standard disk 1" high, external, optional disk*
Graphics	Intel Graphics Media Accelerator 950 (GMA 950), integrated graphics in 945GC, uses main memory, no monitor ports, remote access via network	Bay ③ 3.5", Bay ④ 3.5",	1" high, external, optional disk* 1" high, external, optional disk* 1 some models
SATA disks Disk bays	1TB or 2TB std , up to 8TB capacity, SATA 3Gb/s, 7200 rpm, Four hard disk bays, tool-less, support hot-swap*	Slot 1: half-le	ength,low-profile, PCI Express x4
SATA controller SATA DVD±RW SATA cables eSATA port Diskette drive Media reader	* Need to first remove disk in software via Windows Home Server Serial ATA, SATA 3.0Gb/s, integrated in ICH7 None Four SATA cables (each 1-drop to device), Four SATA connectors One external SATA (eSATA) port in rear None None		Data protection features Back up all your home digital devices automatically Duplicate important data automatically, copy designated data to two internal hard drives for added safety (some
Chipset	Intel 945GC Express Chipset, I/O Controller Hub 7 RAID [ICH7] (SATA 3.0Gb/s, ethernet MAC, PCI 2.3, USB, LPC bus)	R]	models) Inbuilt flash drive allows easy recovery and prevents data lost in the event of a
Front ports Rear ports Rear audio ports	One USB 2.0 with USB copy button (Easy USB file transfer function Four USB 2.0, one eSATA, ethernet (RJ-45) None)	system problem
Audio External speakers Internal speaker Ethernet Modem Security chip	None None None Gigabit ethernet on planar, Marvell® 88E8071 None None		Available at these retailers • lenovo.com
Keyboard Mouse Power supply Security	None None 200 watts, universal, auto autosensing Security slot (in rear for optional Kensington® Microsaver® cable)		Limited Warranty¹
Preloaded opera - Genuine Windo Preloaded applii - LightsOut - iTunes Server - LED brightness - One Key USB II - IP address con - System Informa	installation, Client software CD • Windows Home Server Connect • Lenovo Home Server EasyAcce s control backup figuration	ncluded) or Software	for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, often next business day response time) Service upgrade options (in eligible locations): 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 withdrawn effective March 2014

Part Slot x number bay	Processor	GHz	L2 cache C	ores Me	morv	Media 8 reader		SATA optical	Graphics	Modem	Monitor	Camera	Vista preload	Avail date		
57-078915 4x5 57-078894 4x5 57-076245 4x5 57-076162 4x5 57-076161 4x5 57-076522 4x5	Celeron E1200 Pentium E2140 Pentium E2180 Pentium E2180 Pentium E2180 Pentium E2180	1.60 1.60 2.00 2.00 2.00	512KB 1MB 1MB 1MB 1MB	2 2 2 4 2 1 2 2 2 3	PGB PGB GB PGB PGB	16-in-1 16-in-1 16-in-1 16-in-1 16-in-1	320GB ² 500GB 320GB 320GB 500GB	DVD±RW DVD±RW DVD±RW DVD±RW DVD±RW DVD±RW	GMA 3100 GMA 3100 GMA 3100 GMA 3100 GMA 3100 GMA 3100	Mod Mod Mod Mod	L222	Camera Camera	Home Prem Home Prem Home Basic Home Prem Home Prem Home Prem	May 08 May 08 May 08 May 08		
	Antibacteria Lenovo Res (Select mod and adjusts (Select mod your compu	cue Sy lels) He monit lels) Le	ystem pro ealthcare or bright enovo Bri	ovides (e eyesige ness ba ight Eye	OneK ht pro ased e can	Cey reco otectior on envi nera and	very and softwar ronment	OneKey A e detect di	ntivirus with stance betwe	out boo een usei	ting into	o Window onitor				
Processor Implementation	dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 512KB L2 cache or Intel Pentium® Dual-Core Processor E2140 or E2180 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB L2 cache									Tower • Black and silver bezel • 7.1" W X 17.0" D X 15.0" H • 180mm W X 432mm D X 380mm H • 21.5 lb (9.75 kg) • Toolless cover removal						
Memory	1GB, 2GB, 3G DDR2, non-pa Italics: st Non-italics: st	BB, or early, ductions and arcandard	4GB std, lal-chann d memory d memory	, 4GB mel capa y in both y in one	nax ⁸ , ble, t n soc	PC2-53 two 240 kets; no ket; 1 so	00 667M pin DIM sockets ocket ava	M sockets available;	• Toolless d • Toolless a Bay ① 5.25 Bay ② 5.25 Bay ③ 3.0"	dapter r i", 1.6" h i", 1.6" h , 1" hig	etention igh, acc igh, acc jh, acc	eess,	i standard optio open 16-in-1 media			
Graphics	intel Graphics integrated grap one 15-pin and	phics in alog D	n G31, us -sub con	ses mai nector	n me	mory,	100),			, 1" hig length,fi	jh, no ull-heigh	access, ont, PCI Ex	standard disk optional disk xpress x1 Ver	1.1		
SATA disk SATA controller SATA DVD±RW SATA cables EIDE controller EIDE cables	320GB or 500 Serial ATA, SA Multi-Burner D Two SATA cab One None	TA 3.0 L DVD	Gb/s, inte D±RW SA	egrated TA 1.50	in IC 3b/s I	H7DH Drive	λΤΑ conn	ectors	Slot 3: half-	length, fu length, fu	ull-heigh ull-heigh some m	nt, 32-bit nt, 32-bit nodels	xpress x16 Ver PCI Ver 2.3 * PCI Ver 2.3	er 1.1		
Diskette drive Media reader Chipset	None 16-in-1 media Intel G31 Exp SATA 3.0Gb/s,	ress C	Chipset; I	I/O Con x1, PCI	trolle 2.3,	USB, L	PC bus /			• Acti	Lenovo L222 Wide Widescreen 22-inch flat panel monito Active Matrix TFT LCD screen Supports WSXGA+ 1680x1050 resol 16:10 aspect ratio					
Front ports Rear ports Rear audio ports Audio External speaker Internal speaker Ethernet Modem Security chip	High Definition	microp one so , ethern o, 3.5m n (HD)	ohone (sto erial (9-p net (RJ-4 im), line-c audio, Al	ereo, 3. in), para 15), mon out (ster LC662 o	5mm allel (nitor (reo, 3 codeo	n), head (25-pin) (DB-15) 3.5mm), c	phone (s , keyboa microph //AC)	rd (PS/2),	,	• 22.0" (559mm) viewable image si (diagonal) • 300 nits brightness (typical) • 1000:1 contrast ratio (typical)				ab		
TV tuner Camera	None Some: Lenovo					• •	I, fixed fo	ocus		• Sou	ındbar v	vith spea	trol button kers included			
Keyboard Mouse Power supply	104-key antiba Optical Wheel 280 watts, univ	Mouse	e (ÚSB c	onnecto						with s	some m	odels	onitor is only i	bundled		
- Some: Genu Home - Some: Genu	rating system ²⁰ ine Windows® Vise Basic 32 ine Windows Vise Premium 32 ista Basic logo			LendLendDriv	ovo® ovo H ovo M er an	Healthca Media S nd Appli	y Recove are Softw tudio cation In	are stallation	ecurity 2007	B8J8N6Tig	kH™ .R™ ewegg® gerDirec	hese reta et outer Sys				
	ista Premium log	go		EartWindMicriVeriCore	thLini dows rosoff iFace el® W	k® s Live™ t® Office e™ /inDVD®	Toolbar 2007 Tr	ial (60-day	·	CI pa fo Mine Se (ir •	year pai ustomer arts only r selecto on - Fri ext busin ervice u n eligible 3-year L 9x5 Nex	rts and la Replace (with lined parts ³ coverage ness day pgrade o e location Lenovo O tt Busine free sup	eable Unit (CR nited onsite s , 8 am - 5 pm, e excluding he response tim ptions	plidays, polidays, ne) (1553) anty		

Part Slot x		L2		Media	SATA	SATA				Cam-	Vista	Avail
number bay	Processor	GHz cache C	Cores Memory	8 reader	disk	optical	Graphics		Monitor	era	preload	date
57-076523 4x5 Cc 57-082791 4x5 Cc 57-076158 4x5 Cc 57-076244 4x5 Cc 57-082788 4x5 Cc	ore 2 Duo E7200 ore 2 Quad Q6600 ore 2 Quad Q6600	2.40 8MB 2.40 8MB	2 3GB 2 3GB 4 3GB 4 3GB 4 4GB	16-in-1 16-in-1 16-in-1	500GB 500GB 500GB	DVD±RV DVD±RV Blu-ray	V GMA 3100 V GMA 3100 V GMA 3100 HD 2600 PF V 9300 GE	Mod Mod Mod Mod	None None None	Cam None None	Home Prem Home Prem Home Prem Home Prem	Aug 08 May 08 May 08
	 Antibacterial k Lenovo Rescue (Select models and adjusts me (Select models your computer 	e System pro	vides OneKe eyesight pro ness based o ght Eye came	y recove tection s n enviro era and l	ery and (software nment	OneKey A detect di	ntivirus witho stance betwee	ut bootin en user ar	g into W nd moni	indow tor		
Processor	Intel® Core™ 2 D Intel 64 Technolo 800MHz system Intel Core 2 Duo Intel 64 Technolo 1066MHz system Intel Core 2 Qua (dual-core on dua Virtualization Tec 1066MHz system	gy, Execute Dous, and 2ME Processor I gy, Execute D bus, and 3M Processor Id Processor I-die), Intel 6 hnology, Execute D	Disable Bit, E B L2 cache of E7200 with disable Bit, E B L2 cache G6600 with 4 Technology cute Disable	IST, r wal-core IST, or quad-c	e, ore		Tower • Black and s • 7.1" W X 17 • 180mm W) • 21.5 lb (9.7 • Toolless dis • Toolless ad: • Toolless ad:	7.0" D X 1 4 432mm 5 kg) ver remov k, optical apter rete	5.0" H D X 380 ral drive reention	emoval		nal.
Implementation Memory	Processor in FC- 3GB or 4GB std, non-parity, dual-or Italics: stand	4GB max ⁸ , F	PC2-5300 66 ble, two 240-	7MHz D i pin DIMI	DR2, M socke		Bay ② 5.25", Bay ③ 3.0", Bay ④ 3.5", Bay ⑤ 3.5",	1.6" high 1" high, 1" high,	acces acces no acc	s, o s, cess, s	open 16-in-1 media standard disk	reader
Graphics	one 15-p Some: ATI™ Ra 256MB n connecto Some: NVIDIA® 256MB n	d graphics in in analog D-s deon™ HD 2 0 nemory, Direo or and one DV	G31, uses metable connectors of the connectors o	nain mer r CI Expre Avivo™, or, HDCI Express oCache,	mory, ss x16, one D-si P-compli s x16,	ub iant	Slot 1: half-le Slot 2: half-le Slot 3: half-le Slot 4: half-le * modem in ** used in sor	ngth,full-l ngth,full-l ngth,full-l ngth,full-l slot	neight, I neight, I neight, S neight, S	PCI Ex PCI Ex 32-bit	kpress x1 Ver kpress x16 Ve PCI Ver 2.3 *	1.1 r 1.1**
SATA disk SATA controller SATA DVD±RW SATA Blu-ray™ SATA cables EIDE controller EIDE cables Diskette drive Media reader	500GB, SATA 3.0 Serial ATA, SATA Some: Multi-Burn Some: Blu-ray D	3.0Gb/s, intener DL DVD± isc reader (no HD-DVD play (each 1-drop	pm grated in ICH RW SATA 1.9 Blu-ray med back, DVD a to device), f	5Gb/s D dia burn .nd CD r	ing), ecordab							
Chipset	Intel G31 Expres SATA 3Gb/s, PCI Super I/O for seri	ss Chipset; I/ Express® x1	O Controller	B, LPC	bus / Wi							
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker	Two USB 2.0, mic Four USB 2.0, on mouse (PS/2), et Line-in (stereo, 3 High Definition (F None None	crophone (ste le serial (9-pii hernet (RJ-45 .5mm), line-o dD) audio, AL	ereo, 3.5mm) n), parallel (25), monitor (E ut (stereo, 3. C662 codec	, headpl 25-pin), l 0B-15, D 5mm), n	none (ste keyboard VI-D in s nicropho	d (PŚ/2), some mod	dels)					
Ethernet Modem Security chip TV tuner	10/100 ethernet of Some: 56K ¹⁰ V.99 None							Available B&H J&R MICF	М		ullers	
Camera	Some: Lenovo B			• •	fixed foo	cus		Newe Tiger	egg®	-		
Keyboard Mouse Power supply Preloaded oper - Genuine Wind Home Premiur Vista Premium	ows® Vista® n 32	ouse (USB co	Preloaded Lenovo® (Lenovo M Driver and Trend Mic FarthLink Windows	applica DneKey ealthcar ledia Stud Applica ro™ PC· ®	Recover re Softwa udio ation Ins -cillin™ I	are tallation nternet Se	ecurity 2007		Lim ar parts omer Re conly (welected - Fri cove busines ice upgrigible lo	and la eplace vith lim parts ³ , verage as day rade of ocatior ovo O	able Unit (CR nited onsite so, 8 am - 5 pm, excluding hor response tim ptions ns):9 nsite Repair	ervice blidays, e)
			 Microsoft^o VeriFace^T Corel[®] Wi CyberLink 	м nDVD® ((DVD±R\	W, Blu-ray	, ()	≈ 24x7 issue	14 toll-fre	ee sup g the v	ss Day (78Y port for warra warranty perio	anty

Slot > Type-model bay	Processor	GHz	L2 cache (Cores I	Memory ⁸	Media reader		SATA optical	Graphics	Modem	Monitor	Camera	Vista preload	Avail date
5313-3BU 4x5 5313-4AU 4x5 5313-4BU 4x5 5313-4DU 4x5 5313-4EU 4x5 5313-4CU 4x5	Celeron E1200 Celeron E1200 Pentium E2180 Pentium E2180 Pentium E2200 Pentium E2200 Pentium E2200 Pentium E5200	1.60 2.00 2.00 2.20 2.20 2.20	1MB 1MB 1MB 1MB 1MB	2 2 2 2 2 2 2 2	2GB 3GB 2GB 3GB 4GB	16-in-1 16-in-1 16-in-1	320GB 500GB 250GB 320GB 500GB	DVD±RW DVD±RW DVD±RW DVD±RW DVD±RW DVD±RW DVD±RW	GMA 3100 GMA 3100 GMA 3100 GMA 3100 GMA 3100 GMA 3100 GMA 3100 GMA 3100	Mod Mod	None None None	Camera Camera Camera	Home Basic Home Prem Home Prem Home Prem Home Prem Home Prem Home Prem Home Prem	Jul 08 Jul 08 Jul 08 Oct 08 Oct 08 Jul 08

- · Antibacterial keyboard uses special material on the surface of the keys to restrain bacterial growth
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
- (Select models) Healthcare eyesight protection software detect distance between user and monitor and adjusts monitor brightness based on environment
- (Select models) Lenovo Bright Eye camera and VeriFace face recognition software help control access to your computer by recognizing your face

Processor Implementation	Intel Celeron Dual-Core Processor E1200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 512KB L2 cache or Intel Pentium® Dual-Core Processor E2180, E2200, or E5200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus; E2180/E2200: 1MB L2 cache; E5200: 2MB L2 cache Processor in FC-LGA6 package in LGA775 socket	180mm W >21.5 lb (9.7)Toolless covToolless dis	7.0" D X 15.0" H X 432mm D X 380mm 5 kg)						
Memory	1GB, 2GB, 3GB, or 4GB std, 4GB max ⁸ , PC2-5300 667MHz DDR2, non-parity, dual-channel capable, two 240-pin DIMM sockets Italics: standard memory in both sockets; no sockets available; Non-italics: standard memory in one socket; 1 socket available	Bay ① 5.25", Bay ② 5.25", Bay ③ 3.0",	1.6" high, access, 1.6" high, access, 1" high, access,	standard optical open 16-in-1 media reade					
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100), integrated graphics in G31, uses main memory, one 15-pin analog D-sub connector	Bay ⑤ 3.5", Slot 1: half-le	1" high, no access 1" high, no access ngth, full-height, PCI	, optional disk Express x1 Ver 1.1					
SATA disk SATA controller SATA DVD SATA DVD±RW SATA cables EIDE controller EIDE cables Diskette drive Media reader	160GB, 250GB, 320GB, 500GB, or 640GB SATA 3Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in ICH7DH Some: DVD-ROM DL SATA 1.5Gb/s 16X-48X Max ⁴ Some: Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), four SATA connectors One None None Some: 16-in-1 media reader, internal USB 2.0	Slot 3: half-le Slot 4: half-le	ength, full-height, PCI ingth, full-height, 32-b ength, full-height, 32-b slot in some models	it PCI Ver 2.3 *					
Chipset	Intel G31 Express Chipset; I/O Controller Hub 7 Digital Home (ICH SATA 3Gb/s, PCI Express® x1, PCI 2.3, USB, LPC bus / Winbond® V Super I/O for serial, parallel, keyboard, mouse functions								
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Ethernet Modem Security chip	High Definition (HD) audio, ALC662 codec	USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) r USB 2.0, one serial (9-pin), parallel (25-pin), keyboard (PS/2), is e (PS/2), ethernet (RJ-45), monitor (DB-15) is either (RJ-45), monitor (DB-15) is exposed in (Stereo, 3.5mm), microphone-in (stereo, 3.5mm) in Definition (HD) audio, ALC662 codec e e e e 00 ethernet on planar, Intel 82562GZ (PHY/MAC) is essential exposed in (PS/2), expos							
TV tuner Camera	None Some: Lenovo Bright Eye camera, 0.3-megapixel, fixed focus								
Keyboard Mouse Power supply	104-key antibacterial keyboard (PS/2 connector) Optical Wheel Mouse (USB connector), 400 dpi 280 watts, universal, manual switch								



16-in-1 media reader

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

Some: Genuine Windows Vista Home Premium 32

♦ 5313-3AU/3BU: Vista Basic logo ♦ Others: Vista Premium logo

Preloaded applications⁵

- Lenovo® OneKey Recovery Lenovo Healthcare Software
- Lenovo Media Studio
- Driver and Application Installation
 Trend Micro™ PC-cillin™ Internet Security 2007
- EarthLink®
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day) VeriFace™
- Corel® WinDVD® (DVD, DVD±RW)
- CyberLink Power2Go (DVD, DVD±RW)

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 (78Y1553) 24x7¹⁴ toll-free support for warranty
- issues during the warranty period1 via 877-453-6686

Slot > Type-model bay		GHz ca	L2 ache C	ores Me		Media eader		SATA optical	Graphics	Modem	Monitor	Cam- era	Vista preload	Avail date
5313-1FU 4x5	Core 2 Duo E7200	2.53 3	MB	2 40	GB 1	6-in-1	640GB ²	DVD±RW	GMA 3100	None	None		Home Prem	Oct 08
5313-2BU 4x5	Core 2 Quad Q6600	2.40 8	MB	4 40	GB 1	6-in-1	500GB	DVD±RW	GMA 3100	None	None	Cam	Home Prem	Jul 08
5313-2CU 4x5	Core 2 Quad Q6600	2.40 8	MB	4 40	GB 1	6-in-1	500GB	Blu-ray	9300 GE	None	None		Home Prem	Jul 08
5313-2FU 4x5	Core 2 Quad Q6600	2.40 8	MB	4 40	GB 1	6-in-1	1TB	Blu-ray	9300 GE	None	None		Home Prem	Oct 08

- Antibacterial keyboard uses special material on the surface of the keys to restrain bacterial growth
 Lenovo® Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
 (Select models) Healthcare eyesight protection software detect distance between user and monitor
- and adjusts monitor brightness based on environment
 (Select models) Lenovo Bright Eye camera and VeriFace face recognition software help control access to your computer by recognizing your face

Processor Implementation	Intel® Core 2 Duo™ Processor E7200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 1066MHz system bus, and 3MB 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, 1066MHz system bus, and 8MB L2 cache Processor in FC-LGA6 package in LGA775 socket	Tower • Black and silver bezel • 7.1" W X 17.0" D X 15.0" H • 180mm W X 432mm D X 380mm H • 21.5 lb (9.75 kg) • Toolless cover removal • Toolless disk, optical drive removal • Toolless adapter retention
Memory	4GB std, 4GB max ⁸ , PC2-5300 667MHz DDR2, non-parity, dual-channel capable, two 240-pin DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available	Bay ① 5.25", 1.6" high, access, standard optical Bay ② 5.25", 1.6" high, access, open
Graphics	Some: Intel Graphics Media Accelerator 3100 (GMA 3100), integrated graphics in G31, uses main memory, one 15-pin analog D-sub connector Some: NVIDIA® GeForce® 9300 GE, PCI Express® x16, 256MB memory, DirectX® 10, TurboCache, PureVideo™ HD technology, S-video out, VGA connector, DVI-I connector, HDCP-compliant	Bay ® 3.0", 1" high, access, 16-in-1 media reader Bay ® 3.5", 1" high, no access, standard disk Bay ® 3.5", 1" high, no access, optional disk Slot 1: half-length, full-height, PCI Express x1 Ver 1.1 Slot 2: half-length, full-height, PCI Express x16 Ver 1.1** Slot 3: half-length, full-height, 32-bit PCI Ver 2.3 Slot 4: half-length, full-height, 32-bit PCI Ver 2.3
SATA disk SATA controller SATA DVD±RW SATA Blu-ray™ 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 ICH7DH Some: Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Some: Blu-ray Disc reader (no Blu-ray media burning), BD-ROM, supports HD-DVD playback, DVD and CD recordable Two SATA cables (each 1-drop to device), four SATA connectors One None None 16-in-1 media reader, internal USB 2.0	** used in some models
Chipset	Intel G31 Express Chipset; I/O Controller Hub 7 Digital Home (ICH SATA 3Gb/s, PCI Express® x1, PCI 2.3, USB, LPC bus / Winbond® V Super I/O for serial, parallel, keyboard, mouse functions	
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, 3.5m Four USB 2.0, one serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15, DVI-I in some mode Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo) Definition (HD) audio, ALC662 coded None None None 10/100 ethernet on planar, Intel 82562GZ (PHY/MAC) None None	els)
TV tuner Camera Keyboard	None Some: Lenovo Bright Eye camera, 0.3-megapixel, fixed focus 104-key anti-bacterial keyboard (PS/2 connector)	Available at these retailers
Mouse Power supply	Optical Wheel Mouse (USB connector), 400 dpi 280 watts, universal, manual switch	lenovo.comFry's
Preloaded oper: - Genuine Wind Home Premiur Vista Premium	ows® Vista® • Lenovo® OneKey Recovery n 32 • Lenovo Healthcare Software	next business day response time) Service upgrade options (in eligible locations): • 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553)

Part number	Slot x bay	Processor	GHz	L2 cache	Cores	Memory ⁸	SATA disk	SATA optical	Graphics	Monitor	Camera	802.11 wireless	Vista preload	Vista logo	Avail date
57092255 57094704 57092262	4x5	E5200	2.50	2MB 2MB 4MB	2 2 4		640GB	DVD±ŘW	GMA 4500 GMA 4500 GMA 4500	L222 HD) Camera	None	Prem 64 Prem 64 Prem 64	Basic	Jan 09

- Antibacterial keyboard uses special material on the surface of the keys to restrain bacterial growth
 Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Processor Implementation	Intel® Pentium® Dual-Core Processor E5200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB L2 cache or Intel Core 2 Quad Processor Q8200 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	• 180mm W X • 21.5 lb (9.7 • Toolless cov	7.0" D X 15.0" H X 432mm D X 380mm H 5 kg)
Memory	4GB std, 4GB max ⁸ , PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 240-pin DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available	• Toolless ad Bay ① 5.25",	apter retention , 1.6" high, access, standard optical
Graphics	Intel Graphics Media Accelerator 4500 (GMA 4500), integrated graphics in G43, uses main memory, DirectX® 10, one 15-pin analog VGA DB-15 connector	Bay ③ 3.0", Bay ④ 3.5",	, 1.6" high, access, open 1" high, access, 16-in-1 media reader 1" high, no access, standard disk 1" high, no access, optional disk
SATA disk SATA controller SATA DVD±RW SATA Blu-ray TM	500GB , 640GB, or 1TB SATA 3Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in ICH10 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), four SATA connectors	Slot 1: half-le Slot 2: half-le Slot 3: half-le Slot 4: half-le	ength,full-height, PCI Express x16 Ver 2.0 ength,full-height, PCI Express x1 Ver 2.0 * ength,full-height, 32-bit PCI Ver 2.3 ength,full-height, 32-bit PCI Ver 2.3 dapter in slot in some models
EIDE controller Diskette drive	None None		Lenovo L222 Wide (HD)
Media reader	16-in-1 media reader, internal USB 2.0		Widescreen 22-inch flat panel monitor Active Metric TET LCD agrees
Chipset	Intel G43 Express Chipset (PCI Express® 2.0 x16), I/O Controller F [ICH10] (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, US SMSC® SCH5147-NW Super I/O		Active Matrix TFT LCD screen Supports WUXGA 1920x1200 resolution High Definition (HD) ready; supports 1080p video
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Ethernet	None 10/100 ethernet on planar, RealTek® RTL8102E	ernet (RJ-45),	1080p video 16:10 aspect ratio 22.0" (559mm) viewable image size (diagonal) 300 nits brightness (typical) 1000:1 contrast ratio (typical) 5ms pixel response time Dual video input: one analog D-sub connector and one digital DVI-D
Wireless Modem Security chip	Some: 11b/g wireless ⁴ , Broadcom BCM4312, PCle x1 adapter None None		connector • HDCP-compliant • Ergonomic stand tilts and swivels
TV tuner Camera	None Some: Lenovo Bright Eye camera, 0.3-megapixel, fixed focus		High-gloss black case Touch-sensitive control button Soundbar with speakers included
Keyboard Mouse Power supply	104-key antibacterial keyboard (PS/2 connector) Optical Wheel Mouse (USB connector), 400 dpi 280 watts, universal, manual switch		Lenovo L222 Wide (HD) Monitor is only bundled with some models
Preloaded opera - Genuine Windo Home Premiur	ows® Vista® • Lenovo® OneKey Recovery	') ')	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):³ 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	L2 cache	Cores I	Memory	Media reader	SATA disk	SATA optical	Graphics	Monitor	Camera	802.11 wireless	Vista preload	Vista logo	Avail date
5358-4AU 4x5 5358-4BU 4x5 5358-1FU 4x5 5358-1BU 4x5 5358-2CU 4x5 5358-2DU 4x5	E2220 E5200 E5200 Q8200		1MB 1MB 2MB 2MB 4MB 4MB	2 2 2 2 4	2GB 4GB 4GB 4GB 4GB 4GB	16-in-1 16-in-1 16-in-1	640GB 640GB	Blu-ray DVD±RW DVD±RW DVD±RW	GMA 4500 GMA 4500 GMA 4500 9300 GE 9300 GE 9300 GE	None	None None None None None	0	Prem 64 Prem 64 Prem 64 Prem 64 Prem 64 Prem 64	Basic Basic Prem Prem	Jan 09 Jan 09 Jan 09 Jan 09

- Antibacterial keyboard uses special material on the surface of the keys to restrain bacterial growth
 Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Processor Implementation	Intel® Pentium® Dual-Core Processor E2220 or E5200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus; E2220: 1MB L2 cache; E5200: 2MB L2 cache or Intel Core™ 2 Quad Processor Q8200 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	180mm W X21.5 lb (9.75Toolless covToolless disk	
Memory	2GB or 4GB std, 4GB max ⁸ , PC3-8500 1066MHz DDR3 , 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; 1 socket available	Bay ① 5.25", Bay ② 5.25", Bay ③ 3.0",	1.6" high, access, standard optical open open 1" high, access, 1" high, access, 16-in-1 media reader
Graphics	Some: Intel Graphics Media Accelerator 4500 (GMA 4500), integrated graphics in G43, uses main memory, DirectX® 10, one 15-pin analog VGA DB-15 connector NVIDIA® GeForce® 9300 GE, PCI Express® x16, 512MB memory, DirectX® 10, TurboCache, PureVideo™ HD technology, S-video out for TV-out, VGA DB-15 connector, DVI-I connector, HDCP-compliant	Bay ® 3.5", Slot 1: half-ler Slot 2: half-ler Slot 3: half-ler Slot 4: half-ler * Wireless ac	1" high, no access, standard disk 1" high, no access, optional disk ngth, full-height, PCI Express x16 Ver 2.0 ** ngth, full-height, PCI Express x1 Ver 2.0 * ngth, full-height, 32-bit PCI Ver 2.3 ngth, full-height, 32-bit PCI Ver 2.3 dapter in slot in some models
SATA disk SATA controller SATA DVD±RW SATA Blu-ray [™] SATA cables EIDE controller Diskette drive Media reader	250GB, 500GB, 640GB or 1TB SATA 3Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in ICH10 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), four SATA connectors None None 16-in-1 media reader, internal USB 2.0	** used in son	ne models
Chipset	Intel G43 Express Chipset (PCI Express® 2.0 x16), I/O Controller F [ICH10] (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, US SMSC® SCH5147-NW Super I/O		ÎI.
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, 3.5r Six USB 2.0, one serial (9-pin), keyboard (PS/2), mouse (PS/2), ethe 1BU/2CU/2DU: monitor (VGA DB-15, DVI-I), S-Video out; Mones (PS/2), ethe 1BU/2CU/2DU: monitor (VGA DB-15, DVI-I), S-Video out; monitor (VGA DB-15) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (sterlight Definition (HD) audio, ALC662 codec None None Some: 11b/g wireless4, Broadcom BCM4312, PCle x1 adapter 10/100 ethernet on planar, Realtek® RTL8102E None None	ernét (RJ-45),	Addresses
TV tuner Camera	None None		Available at these retailers lenovo.com
Keyboard Mouse Power supply	104-key antibacterial keyboard (PS/2 connector) Optical Wheel Mouse (USB connector), 400 dpi 280 watts, universal, manual switch		 Fry's Limited Warranty¹ → 1-year parts and labor
Preloaded opera - Genuine Windo Home Premiun	ows® Vista® • Lenovo® OneKey Recovery	r) /)	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 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	L2 cache (Cores	Memory ⁸	DIMM capacity	Media reader		SATA optical	Graphics	TV tuner	Remote control	Cam- era	Vista preload	Avail date
57093697	4x5	E2220	2.40	1MB	2	5GB	(2, 2, 1)	16-in-1	500GB ²	2 DVD±RW	GMA 3100	None	None	None	Prem 64	Jan 09
57093706	4x5	E5200	2.50	2MB	2	6GB	(2, 2, 2)	16-in-1	640GB	DVD ±RW	GMA 3100	None	None	None	Prem 64	Mar09
57093729	4x5	E7300	2.66	3MB	2	8GB	(2, 2, 2, 2)	16-in-1	1TB	DVD ±RW	GMA 3100	None	None	None	Prem 64	Jan 09
57094418	4x5	Q8200	2.33	4MB	4	6GB	(2, 2, 2)	16-in-1	640GB	DVD ±RW	GMA 3100	None	None	None	Prem 64	Mar09
57093719	4x5	Q8200	2.33	4MB	4	8GB	(2, 2, 2, 2)	16-in-1	1TB	DVD±RW	GMA 3100	None	None	None	Prem 64	Mar09

- Antibacterial keyboard uses special material on the surface of the keys to restrain bacterial growth
- Lenovo® Rescué System provides OneKey recovery and OneKey Antivirus without booting into Windows

Processor Implementation	Intel® Pentium® Processor E2220 or E5200 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus; E2220: 1MB L2 cache; E5200: 2MB L2 cache or Intel Core 2 Duo™ Processor E7300 with dual-core, Intel 64 Technology, Execute Disable Bit, EIST, 1066MHz system bus, and 3MB L2 cache or Intel Core 2 Quad Processor Q8200 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	• 180mm W X • 21.5 lb (9.75 • Toolless cov • Toolless disk • Toolless ada Bay ① 5.25",	er removal c, optical drive removal
Memory	5GB , 6GB , or 8GB std, 8GB max ⁸ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, four 240-pin DIMM sockets	Bay ③ 3.0", Bay ④ 3.5",	1" high, access, 16-in-1 media reader 1" high, no access, standard disk
Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100), integrated graphics in G33, uses main memory, one 15-pin analog VGA DB-15 connector	Slot 1: half-ler Slot 2: half-ler	1" high, no access, optional disk gth, full-height, PCI Express x16 Ver 1.1 gth, full-height, PCI Express x1 Ver 1.1 gth, full-height, PCI Express x1 Ver 1.1
SATA controller SATA DVD±RW SATA cables EIDE controller Diskette drive Media reader Chipset	Serial ATA, SATA 3.0Gb/s, integrated in ICH9DH Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), four SATA connectors None None 16-in-1 media reader, internal USB 2.0 Intel G33 Express Chipset (PCI Express® x16), I/O Controller Hub Home [ICH9DH] (SATA 3.0Gb/s support, PCI Express x1, ethernet USB LSB LSB LSB LSB LSB LSB LSB LSB LSB L	9 Digital	igth, full-height, 32-bit PCI Ver 2.3
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Ethernet Wireless Modem Security chip	USB, LPC bus), SMSC® SCH5617 Super I/O Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5 Four USB 2.0, one serial (9-pin), parallel (25-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 (st SPDIF-out High Definition (HD) audio, ADI1988 codec None None Gigabit ethernet on planar, Intel 82256DC None None None	,	a de la constante de la consta
TV tuner Remote control Camera	None None None		Available at these retailers TigerDirect
Keyboard Mouse Power supply	104-key anti-bacterial keyboard (PS/2 connector) Optical Wheel Mouse (USB connector), 400 dpi 280 watts, universal, manual switch		Limited Warranty¹ ≈ 1-year parts and labor ≈ Customer Replaceable Unit (CRU)
Preloaded opera - Genuine Wind Home Premiur	ows [®] Vista [®] • Lenovo [®] OneKey Recovery • Driver and Application Installation	y)	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 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		GHz	L2 cache	Cores	Memory ⁸	DIMM capacity	Media reader	SATA disk	SATA optical	Graphics		Remote control	802.11 wireless	Vista preload	Avail date
5359-1BU				1MB	2		(2, 2, 1)				GMA 3100				Prem 64	
5359-2EU				2MB	2	6GB	(2, 2, 2)		640GB	DVD±RW	GMA 3100				Prem 64	
5359-2BU	4x5	E5200	2.50	2MB	2	6GB	(2, 2, 2)	16-in-1	640GB	DVD±RW	GMA 3100				Prem 64	Jan 09
5359-3EU	4x5	E7300	2.66	3MB	2	6GB	(2, 2, 2)	16-in-1	1TB	DVD±RW	GMA 3100			11b/g	Prem 64	Jan 09
5359-3AU	4x5	E7400	2.80	3MB	2	6GB	(2, 2, 2)	16-in-1	640GB	DVD±RW	GMA 3100			•	Prem 64	Jan 09
5359-4CU	4x5	Q8200	2.33	4MB	4	6GB	(2, 2, 2)	16-in-1	640GB	DVD±RW	GMA 3100				Prem 64	Jan 09
5359-4DU	4x5	Q8200	2.33	4MB	4	8GB	(2, 2, 2, 2)	16-in-1	1TB	DVD±RW	9300 GE			11b/g	Prem 64	Jan 09
5359-4GU	4x5	Q8200	2.33	4MB	4	6GB	(2, 2, 2)	16-in-1	640GB	DVD±RW	GMA 3100			ŭ	Prem 64	Feb 09
5359-5AU	4x5	Q9400	2.66	6MB	4	8GB	(2, 2, 2, 2)	16-in-1	1TB	Blu-ray	9300 GE	TV	Remote	e 11b/g	Prem 64	Jan 09

- · Antibacterial keyboard uses special material on the surface of the keys to restrain bacterial growth
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Processor	Intel® Pentium® Processor E2220 or E5200	Tower
	with dual-core , 800MHz system bus; <i>E2200</i> : 1MB L2 cache; <i>E5200</i> : 2MB L2 cache or	Black color b7.1" W X 17.
	Intel Core [™] 2 Duo Processor E7300 or E7400 with dual-core 1066MHz system bus, and 3MB L2 cache or	• 180mm W X • 21.5 lb (9.75
	Intel Core 2 Quad Processor Q8200 or Q9400 with quad-core	Toolless cover
	(dual-core on dual-die), 1333MHz system bus; <i>Q8200:</i> 4MB L2 cache; <i>Q9400:</i> 6MB L2 cache	Toolless diskToolless ada
Implementation	Processor in FC-LGA6 package in LGA775 socket	
Memory	5GB , 6GB , or 8GB std, 8GB max ⁸ , PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, four 240-pin DIMM sockets	Bay ① 5.25", Bay ② 5.25", Bay ③ 3.0",
Graphics	Some: Intel Graphics Media Accelerator 3100 (GMA 3100), integrated graphics in G33, uses main memory, one 15-pin analog VGA DB-15 connector	Bay (§ 3.0°, Bay (§ 3.5°, Bay (§ 3.5°,
	Some: NVIDIA® GeForce® 9300 GE, PCI Express® x16,	Slot 1: half-len
	512MB memory, DirectX® 10, TurboCache, PureVideo™ HD technology, S-video out for TV-out,	Slot 2: half-len Slot 3: half-len
	VGA DB-15 connector, DVI-I connector, HDCP-compliant	Slot 4: half-ler
SATA disk SATA controller	500GB, 640GB , or 1TB SATA 3Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in ICH9DH	* Wireless ad ** used in som
SATA DVD±RW SATA Blu-ray™	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	
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors	
EIDE controller Diskette drive	None None	
Media reader	16-in-1 media reader, internal USB 2.0	
Chipset	Intel G33 Express Chipset (PCI Express® x16), I/O Controller Hub Home [ICH9DH] (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PC LPC bus), SMSC® SCH5617 Super I/O	9 Digital I 2.3, USB,
Front ports Rear ports	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),	nm)
	mouse (PS/2), ethernet (RJ-45), 4DU/5AU: monitor (VGA DB-15, DVI-I), S-Video out;	
Dear audia narta	Others: monitor (VGA DB-15)	2 Fmm)
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (ste SPDIF-out	ereo, 3.5mm),
Audio	High Definition (HD) audio, ADI1988 codec	
External speakers Internal speaker	None	
Ethernet ·	Gigabit ethernet on planar, Intel 82256GC	
Wireless Modem	Some: 11b/g wireless ⁴ , Broadcom® BCM4312, PCle x1 adapter None	
Security chip	None	
TV tuner	Some: Hybrid tuner, support analog (NTSC) and digital (ATSC) Hauppauge WinTV-HVR-1250,PCle x 1	signal,
Remote control Camera	Some: Philips® Vista MCE remote control (40-button), IR receiver None	via USB
Keyboard	104-key antibacterial keyboard (PS/2 connector)	
Mouse Power supply	Optical Wheel Mouse (USB connector), 400 dpi 280 watts, universal, manual switch	
Preloaded opera		
- Genuine Windo		

Home Premium 64

♦ 5359-4DU/5AU: Vista Premium logo

♦ Others: Vista Basic logo

- Driver and Application Installation

- Trend Micro™ PC-cillin™ Internet Security 2008
 Windows Live™ Toolbar
 Microsoft® Office 2007 Trial (60-day)
 Corel® WinDVD® (DVD±RW, Blu-ray)
 CyberLink Power2Go (DVD±RW, Blu-ray)

- 7.0" D X 15.0" H
- 432mm D X 380mm H
- 5 kg)
- er removal
- k, optical drive removal
- apter retention

1.6" high, access, 1.6" high, access, 1" high, access, standard optical open 16-in-1 media reader

1" high, no access, standard disk 1" high, no access, optional disk

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

dapter or TV tuner in slot in some models

me models



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 (78Y1553) 24x7¹⁴ toll-free support for warranty
 - issues during the warranty period1 via 877-453-6686

Type-model	Slot x bay	GHz	L2 cache	Cores	Memory ⁸	DIMM capacity	Media reader	SATA disk	SATA optical	Graphics	TV tune	Remote control	802.11 wireless	Vista preload	Avail date
5359-3NU	4x5	2.93	2MB 3MB 3MB	2 2 2	6GB 6GB 6GB	(2, 2, 2) (2, 2, 2) (2, 2, 2)	16-in-1	640GB					11b/g	Prem 64 Prem 64 Prem 64	Aug 09
	4x5	2.33	3MB 4MB 4MB	2 4 4	8GB 6GB 8GB	(2, 2, 2, 2) (2, 2, 2) (2, 2, 2, 2)	16-in-1 16-in-1	640GB 640GB	DVD±RW	GMA 3100 GMA 3100		Remot	e 11b/g 11b/g	Prem 64 Prem 64 Prem 64	Aug 09 Aug 09

- Antibacterial keyboard uses special material on the surface of the keys to restrain bacterial growth
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Intel Core** 2 Duo Processor E7500 with dual-core 1066MHz system bus, and 3MB L2 cache or Intel Core 2 Quad Processor Q8200 with quad-core (dual-core on dual-die), 133MHz system bus, and 4MB L2 cache Processor in FC-LGA6 package in LGA775 socket Memory 6GB or 8GB std, 8GB max*, PC2-5300 667MHz DDR2, non-parity, dual-channel capable, four 240-pin DIMM sockets Graphics Some: Intel Graphics Media Accelerator 3100 (GMA 3100), integrated graphics in G33, uses main memory, one 15-pin analog VGA DB-15 connector Some: NVIDIA* GeForce* 9300 GE, PCI Express* x16, 512MB memory, DirectX* 10, TurboCache, PureVideo** HD technology, Svideo out for TV-out, VGA DB-15 connector, DVI-I connector, HDCP-compliant SATA disk SATA controller SATA OVD±RW SATA Cables Town SATA Cables Geach 1-drop to device), four SATA connectors None None Media reader Chipset Intel G33 Express Chipset (PCI Express* x16), I/O Controller Hub 9 Digital Home (ICH9DH) (SATA 3.0Gb/s, PCI Express x16), I/O Controller Hub 9 Digital Home (ICH9DH) (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, USB LPC bus), SMSC* SCH5617 Super I/O Front ports Rear ports Four USB 2.0, one serial (9-pin), parallel (25-pin), keyboard (PS/2), monitor (VGA DB-15, DVI-I), S-Video out; UsB 2.0, one serial (9-pin), parallel (25-pin), keyboard (PS/2), monitor (VGA DB-15, DVI-I), S-Video out; Usb 2.0, one serial (9-pin), parallel (25-pin), keyboard (PS/2), monitor (VGA DB-15, DVI-I), S-Video out; Usb 2.0, one serial (9-pin), parallel (25-pin), keyboard (PS/2), monitor (VGA DB-15, DVI-I), S-Video out; Usb 2.0, one serial (9-pin), parallel (25-pin), keyboard (PS/2), monitor (VGA DB-15, DVI-I), S-Video out; Usb 2.0, one serial (9-pin), parallel (25-pin), keyboard (PS/2), monitor (VGA DB-15, DVI-I), S-Video out; Usb 2.0 monitor (VGA DB-15,	Processor	Intel® Pentium® Processor E5200 with dual-core,	Tower
1066MHz system bus, and 3MB L2 cache or 1ntel Core 2 Quad Processor 08200 with quad-core (dual-core on dual-die), 1333MHz system bus, and 4MB L2 cache Processor in FC-LGA6 package in LGA775 socket 21.5 lb 21.			 Black color b 7.1" W X 17.0
Implementation		1066MHz system bus, and 3MB L2 cache or	• 180mm W X
Implementation Processor in FC-LGA6 package in LGA775 socket			• 21.5 lb (9.75
Same: Intel Graphics Media Accelerator 3100 (GMA 3100), integrated graphics in G33, uses main memory, one 15-pin analog VGA DB-15 connector Some: NVIDIA* GeForce* 9300 GE, PCI Express* x16, 512MB memory, DirectX* 10, TurboCache, PureVideo* HD technology, S-video out for TV-out, VGA DB-15 connector, DVI-I conn	Implementation		Toolless disk Toolless disk
Some: Intergrated graphics in G33, uses main memory, one 15-pin analog VGA DB-15 connector Some: NVIDIA® GEForce® 9300 GE, PCI Express® x16, 512MB memory, DirectX® 10, TurboCache, PureVideo™ HD technology, S-video out for TV-out, VGA DB-15 connector, DVI-I connector, HDCP-compliant Sot 2: hc SATA controller SATA controller SATA DVD±RW SATA cables Serial ATA, SATA 3.0Gb/s, integrated in ICH9DH SATA Controller Serial ATA, SATA 3.0Gb/s, integrated in ICH9DH Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), four SATA connectors None None None None None Intel G33 Express Chipset (PCI Express® x16), I/O Controller Hub 9 Digital Home [ICH9DH] (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, USB LPC bus), SMSC® SCH5617 Super I/O Four USB 2.0, one serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), 4QU: monitor (VGA DB-15, DVI-I), S-Video out; Others: monitor (VGA DB-15, DVI-I), S-Video out; Others: monitor (VGA DB-15, DVI-I), S-Video out; High Definition (HD) audio, ADI1988 codec Same: 11b/g wireless⁴, Broadcom® BCM4312, PCIe x1 adapter None None None None None None None None Hybrid tuner, support analog (NTSC) and digital (ATSC) signal Hauppauge WinTV-HVR-1250,PCIe x 1 Some: Philips® Vista MCE remote control (40-button), IR receiver via USB None No	Memory		Toolless adap
Some: None Star disk SATA disk SATA controller SATA DVD±RW SATA cables EIDE controller Diskette drive Media reader Chipset Intel G33 Express Chipset (PCI Express* x16), I/O Controller Hub 9 Digital Home [ICH9DH] (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, USB LPC bus), SMSC* SCH5617 Super I/O Front ports Rear ports Rear audio ports Audio External speaker Ethernet Eithernet Eithernet Gigabit ethernet on planar, Intel 82256GC Some: 11b/g wireless*, pane. Some: Philips* Vista MCE remote control Camera Keyboard Mouse Power supply Sough A17 Souch Policy Levels and digital (ATSC) signal , Hauppauge WinTV-HVR-1250, PCIe x1 Souch Audio Purch A16 Policy Po	Graphics		Bay ① 5.25", 1 Bay ② 5.25", 1
Some: None Star disk SATA disk SATA controller SATA DVD±RW SATA cables EIDE controller Diskette drive Media reader Chipset Intel G33 Express Chipset (PCI Express* x16), I/O Controller Hub 9 Digital Home [ICH9DH] (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, USB LPC bus), SMSC* SCH5617 Super I/O Front ports Rear ports Rear audio ports Audio External speaker Ethernet Eithernet Eithernet Gigabit ethernet on planar, Intel 82256GC Some: 11b/g wireless*, pane. Some: Philips* Vista MCE remote control Camera Keyboard Mouse Power supply Sough A17 Souch Policy Levels and digital (ATSC) signal , Hauppauge WinTV-HVR-1250, PCIe x1 Souch Audio Purch A16 Policy Po			Bay ③ 3.0",
SIZMM HDI technology, S-video out for TV-out, VGA DB-15 connector, DVI-I connector, HDCP-compliant SATA disk SATA controller SATA DVD±RW SATA cables EIDE controller Diskette drive Media reader Chipset Intel G33 Express Chipset (PCI Express* x16), I/O Controller Hub 9 Digital Home [ICH9DH] (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, USB LPC bus), SMSC* SCH5617 Super I/O Front ports Rear ports Rear audio ports Rear audio ports Ethernet Audio External speaker Internal speaker Internal speaker Internal speaker Internal speaker Internal speaker Internal speaker Sternet Internal speaker Sternet Internal speaker Internal speaker Internal speaker Sternet Internal speaker		Some: NVIDIA® GeForce® 9300 GE, PCI Express® x16,	Bay ⑤ 3.5",
SATA disk SATA controller SATA DVD±RW SATA cables EIDE controller Diskette drive Media reader Chipset Intel G33 Express Chipset (PCI Express® x16), I/O Controller Hub 9 Digital Home [ICH9DH] (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, USB LPC bus), SMSC® SCH5617 Super I/O Front ports Rear audio ports Rear audio ports Ear audio ports External speakers Internal speakers Ethernet Wireless Modem Some: Hybrid tuner, support analog (NTSC) and digital (ATSC) signal , Hauppauge WinTV-HVR-1250,PCIe x 1 Remote control Camera VGA DB-15 connector, DVT-I connectors, DVI-I controller point (Slot 3: htm Slot 4: htm Slot 3: htm Slot 4: htm Slot 3: htm Slot 4: htm Slot 3: htm Slot 3: htm Slot 4: htm		PureVideo™ HD technology. S-video out for TV-out.	Slot 1: half-len
SATA controller SATA controller SATA controller SATA DISK SATA controller SATA DVD±RW SATA cables EIDE controller Diskette drive Media reader Chipset Intel G33 Express Chipset (PCI Express* x16), I/O Controller Hub 9 Digital Home [ICH9DH] (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, USB LPC bus), SMSC* SCH5617 Super I/O Front ports Rear ports 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), 4QU: monitor (VGA DB-15) Uine-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5m SPDIF-out High Definition (HD) audio, ADI1988 codec External speakers Internal speaker Ethernet Wireless Modem Modem Security chip TV tuner Some: Hybrid tuner, support analog (NTSC) and digital (ATSC) signal , Hauppauge WinTV-HVR-1250,PCIe x 1 Holes Wineles None Keyboard Mouse Power supply 104-key antibacterial keyboard (PS/2 connector) Optical Wheel Mouse (USB connector), 400 dpi 280 watts, universal, manual switch		VGA DB-15 connector, DVI-I connector, HDCP-compliant	Slot 2: half-len
SATA DVD±RW SATA cables SATA c	I		Slot 4: half-len
SATA cables EIDE controller Diskette drive Media reader Chipset Intel G33 Express Chipset (PCI Express® x16), I/O Controller Hub 9 Digital Home [ICH9DH] (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, USB LPC bus), SMSC® SCH5617 Super I/O Front ports Rear ports Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four 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), 4QU: monitor (VGA DB-15, DVI-I), S-Video out; Others: monitor (VGA DB-15, DVI-I), S-Video out; Others: monitor (VGA DB-15) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5m SPDIF-out High Definition (HD) audio, ADI1988 codec External speakers Internal speakers Internal speaker Ethernet Wireless Modem Security chip TV tuner Some: Hybrid tuner, support analog (NTSC) and digital (ATSC) signal , Hauppauge WinTV-HVR-1250,PCIe x 1 Remote control Camera None Keyboard Mouse Power supply Towo SATA cables (each 1-drop to device), four SATA connectors None Internal USB 2.0 Intel G33 Express Chipset (PCI Express® x16), I/O Controller Hub 9 Digital Hub 9 Digital Home [ICH9DH] (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, USB LPC bus), SMSC® SCH5617 Super I/O Super IVO			* Wireless ad
Diskette drive Media reader None 16-in-1 media reader, internal USB 2.0 Intel G33 Express Chipset (PCI Express® x16), I/O Controller Hub 9 Digital Home [ICH9DH] (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, USB LPC bus), SMSC® SCH5617 Super I/O Front ports Rear ports 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), 4QU: monitor (VGA DB-15, DVI-I), S-Video out; Others: monitor (VGA DB-15) Rear audio ports Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5m SPDIF-out High Definition (HD) audio, ADI1988 codec External speakers Internal speakers Internal speaker Ethernet Gigabit ethernet on planar, Intel 82256GC Wireless None None Security chip Tv tuner Some: Hybrid tuner, support analog (NTSC) and digital (ATSC) signal, Hauppauge WinTV-HVR-1250, PCIe x 1 Remote control Camera Keyboard Mouse None None None Keyboard Mouse Optical Wheel Mouse (USB connector), 400 dpi 280 watts, universal, manual switch	SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors	** used in som
Media reader 16-in-1 media reader, internal USB 2.0			
Home [ICH9DH] (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, USB LPC bus), SMSC® SCH5617 Super I/O Front ports Rear ports 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), 4QU: monitor (VGA DB-15, DVI-I), S-Video out; Others: monitor (VGA DB-15) Rear audio ports Audio Audio External speakers Internal speakers Internal speakers Internal speaker Ethernet Gigabit ethernet on planar, Intel 82256GC Wireless Some: 11b/g wireless⁴, Broadcom® BCM4312, PCIe x1 adapter None Security chip TV tuner Some: Hybrid tuner, support analog (NTSC) and digital (ATSC) signal , Hauppauge WinTV-HVR-1250,PCIe x 1 Remote control Camera Keyboard Mouse Power supply Home USA 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Pour USB 2.0, one serial (9-pin), parallel (25-pin), keyboard (PS/2 connector) Action (PS/2), monitor (PS/2), monitor (PS/2 connector) Action (PS/2), monitor			
Front ports Rear ports 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), 4QU: monitor (VGA DB-15, DVI-I), S-Video out; Others: monitor (VGA DB-15), S-Video out; Others: monitor (VGA DB-15), S-Video out; Others:	Chipset	Home [ICH9DH] (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PC	
Rear ports Four USB 2.0, one serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), 4QU: monitor (VGA DB-15, DVI-I), S-Video out; Others: monitor (VGA DB-15) Rear audio ports Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5m SPDIF-out High Definition (HD) audio, ADI1988 codec External speakers None Internal speaker Gigabit ethernet on planar, Intel 82256GC Wireless Some: 11b/g wireless ⁴ , Broadcom® BCM4312, PCIe x1 adapter Modem None TV tuner Some: Hybrid tuner, support analog (NTSC) and digital (ATSC) signal, Hauppauge WinTV-HVR-1250,PCIe x 1 Remote control Camera Keyboard None Keyboard 104-key antibacterial keyboard (PS/2 connector) Mouse Optical Wheel Mouse (USB connector), 400 dpi 280 watts, universal, manual switch	Front ports	,	mm)
AQU: monitor (VGA DB-15, DVI-I), S-Video out; Others: monitor (VGA DB-15) Rear audio ports Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5m SPDIF-out High Definition (HD) audio, ADI1988 codec External speakers Internal speakers Internal speaker None Ethernet Gigabit ethernet on planar, Intel 82256GC Wireless Some: 11b/g wireless ⁴ , Broadcom® BCM4312, PCle x1 adapter Modem None Security chip None TV tuner Some: Hybrid tuner, support analog (NTSC) and digital (ATSC) signal, Hauppauge WinTV-HVR-1250,PCle x 1 Remote control Camera None Keyboard 104-key antibacterial keyboard (PS/2 connector) Mouse Optical Wheel Mouse (USB connector), 400 dpi Power supply 280 watts, universal, manual switch	Rear ports		·
Rear audio ports Cithers: monitor (VGA DB-15) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5m SPDIF-out Audio High Definition (HD) audio, ADI1988 codec External speakers Internal speaker Internal speaker Internal speaker Ethernet Gigabit ethernet on planar, Intel 82256GC Wireless Some: 11b/g wireless ⁴ , Broadcom® BCM4312, PCle x1 adapter None TV tuner Some: Hybrid tuner, support analog (NTSC) and digital (ATSC) signal, Hauppauge WinTV-HVR-1250,PCle x 1 Remote control Camera Keyboard Mouse Optical Wheel Mouse (USB connector), 400 dpi Power supply Others: monitor (VGA DB-15) Line-in (stereo, 3.5mm), microphone-in (stereo, 3.5mm), microphone-in (stereo, 3.5mm) None None			
Audio SPDIF-out High Definition (HD) audio, ADI1988 codec External speakers Internal speaker None None Gigabit ethernet on planar, Intel 82256GC Wireless Some: 11b/g wireless ⁴ , Broadcom® BCM4312, PCIe x1 adapter None None None Security chip None TV tuner Some: Hybrid tuner, support analog (NTSC) and digital (ATSC) signal, Hauppauge WinTV-HVR-1250,PCIe x 1 Remote control Camera None None Keyboard None None None None None None None None	Daaw accelia manda	Others: monitor (VGA DB-15)	
Audio High Definition (HD) audio, ADI1988 codec External speakers Internal speaker Sterner St	Hear audio ports		ereo, 3.5mm),
Internal speaker Ethernet Ethernet Gigabit ethernet on planar, Intel 82256GC Wireless Modem Security chip TV tuner Some: Hybrid tuner, support analog (NTSC) and digital (ATSC) signal, Hauppauge WinTV-HVR-1250,PCle x 1 Remote control Camera Keyboard Mouse House 104-key antibacterial keyboard (PS/2 connector) Optical Wheel Mouse (USB connector), 400 dpi 280 watts, universal, manual switch			
Ethernet Gigabit ethernet on planar, Intel 82256GC Wireless Some: 11b/g wireless ⁴ , Broadcom® BCM4312, PCIe x1 adapter None None None TV tuner Some: Hybrid tuner, support analog (NTSC) and digital (ATSC) signal, Hauppauge WinTV-HVR-1250,PCIe x 1 Remote control Camera Philips® Vista MCE remote control (40-button), IR receiver via USB None Keyboard Mouse Optical Wheel Mouse (USB connector) Optical Wheel Mouse (USB connector), 400 dpi 280 watts, universal, manual switch			
Modem Security chip None TV tuner Some: Hybrid tuner, support analog (NTSC) and digital (ATSC) signal, Hauppauge WinTV-HVR-1250,PCIe x 1 Remote control Camera Keyboard Mouse Optical Wheel Mouse (USB connector), 400 dpi Power supply None Hybrid tuner, support analog (NTSC) and digital (ATSC) signal, Hauppauge WinTV-HVR-1250,PCIe x 1 Hauppauge WinTV-HVR-1250,PCIe x 1 Philips® Vista MCE remote control (40-button), IR receiver via USB Camera 104-key antibacterial keyboard (PS/2 connector) Optical Wheel Mouse (USB connector), 400 dpi 280 watts, universal, manual switch	Ethernet	Gigabit ethernet on planar, Intel 82256GC	
Security chip None TV tuner Some: Hybrid tuner, support analog (NTSC) and digital (ATSC) signal , Hauppauge WinTV-HVR-1250,PCle x 1 Remote control Camera None Keyboard Mouse 104-key antibacterial keyboard (PS/2 connector) Mouse Optical Wheel Mouse (USB connector), 400 dpi 280 watts, universal, manual switch			
Remote control Camera Keyboard Mouse Power supply Hauppauge WinTV-HVR-1250,PCle x 1 Philips® Vista MCE remote control (40-button), IR receiver via USB Philips® Vista MCE remote control (40-button), IR receiver via USB Philips® Vista MCE remote control (40-button), IR receiver via USB Philips® Vista MCE remote control (40-button), IR receiver via USB Camera Philips® Vista MCE remote control (40-button), IR receiver via USB Camera Philips® Vista MCE remote control (40-button), IR receiver via USB Camera Vista MCE remote control (40-button), IR receiver via USB Camera Vista MCE remote control (40-button), IR receiver via USB Camera Vista MCE remote control (40-button), IR receiver via USB Camera Vista MCE remote control (40-button), IR receiver via USB Camera Vista MCE remote control (40-button), IR receiver via USB Camera Vista MCE remote control (40-button), IR receiver via USB Camera Vista MCE remote control (40-button), IR receiver via USB Camera Vista MCE remote control (40-button), IR receiver via USB Camera Vista MCE remote control (40-button), IR receiver via USB Camera Vista MCE remote control (40-button), IR receiver via USB Camera Vista MCE remote control (40-button), IR receiver via USB Camera Vista MCE remote control (40-button), IR receiver via USB Camera Vista MCE remote control (40-button), IR receiver via USB Camera Vista MCE remote control (40-button), IR receiver via USB Camera Vista MCE remote control (40-button), IR receiver via USB Camera Vista MCE remote control (40-button), IR receiver via USB Camera Vista MCE remote control (40-button), IR receiver via USB Camera Vista MCE remote control (40-button), IR receiver via USB Camera Vista MCE remote control (40-button), IR receiver via USB Camera Vista MCE remote control (40-button), IR receiver via USB Camera Vista MCE remote control (40-button), IR receiver via USB Camera Vista MCE remote control (40-button), IR receiver via USB Camera Vista MCE remote control (40-button), IR receiver via USB Camera Vista MCE remote control (40-button), IR r			
Remote control Camera Keyboard Mouse Power supply Philips® Vista MCE remote control (40-button), IR receiver via USB None None Philips® Vista MCE remote control (40-button), IR receiver via USB None 104-key antibacterial keyboard (PS/2 connector) Optical Wheel Mouse (USB connector), 400 dpi 280 watts, universal, manual switch	TV tuner		signal,
Mouse Optical Wheel Mouse (USB connector), 400 dpi Power supply 280 watts, universal, manual switch		Some: Philips® Vista MCE remote control (40-button), IR receiver v	via USB
Power supply 280 watts, universal, manual switch			
Prolocated applications			
Preloaded operating system ²⁰ - Genuine Windows [®] Vista [®] - Genuine Premium 64 - Driver and Application Installation	- Genuine Windo	ows [®] Vista [®] • Lenovo [®] OneKey Recovery	

Home Premium 64 *5359-4QU:* Vista Premium logo

♦ Others: Vista Basic logo

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

- .0" D X 15.0" H
- 432mm D X 380mm H
- kg)
- er removal
- k, optical drive removal
- pter retention

1.6" high, access, 1.6" high, access, 1" high, access, standard optical open 16-in-1 media reader 1" high, no access, standard disk 1" high, no access, optional disk

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

lapter or TV tuner in slot in some models

ne 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):9
 - 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

ideacentre



Lenovo IdeaCentre K300



Lenovo IdeaCentre K300



Lenovo IdeaCentre K300 (monitor not included)







Lenovo IdeaCentre K300 Power control switch



Lenovo IdeaCentre K300 toolless disk drive removal



Lenovo IdeaCentre K300 top button

Type-model	Slot x bay	Pro- cessor	GHz	L2 cache		Vlemory	⁸ DIMM capacity	Media reader	SATA disk	SATA optical	Graphics	TV tuner	Remote control	802.11 wireless	Win 7 preload	Avail date
5316-1AU	4x5	Q8300	2.50	4MB	4	6GB	(2, 2, 2)	16-in-1	640GB ²	DVD±RW	GMA X4500)			Prem 64	Oct 09
5316-1BU	4x5	Q8300	2.50	4MB	4	6GB	(2, 2, 2)	16-in-1	640GB	DVD±RW	HD4350	TV	Remote	11b/g ¹¹	Prem 64	Oct 09
5316-1GU	4x5	Q8300	2.50	4MB	4	6GB	(2, 2, 2)	16-in-1	640GB	Blu-ray	HD4650				Prem 64	Oct 09
5316-1CU	4x5	Q8300	2.50	4MB	4	8GB	(2, 2, 2, 2)	16-in-1	1TB	DVD±ŘW	HD4650			11b/g	Prem 64	Oct 09
5316-2AU	4x5	E5300	2.60	2MB	2	3GB	(1, 2)	16-in-1	320GB	DVD ±RW	GMA X4500)		ŭ	Prem 64	Oct 09
5316-2CU	4x5	E7500	2.93	3MB	2	4GB	(2, 2)	16-in-1	640GB	DVD±RW	GMA X4500)			Prem 64	Oct 09
5316-1EU	4x5	Q8300	2.50	4MB	4	8GB	(2, 2, 2, 2)	16-in-1	1TB	DVD±RW	HD4650	TV	Remote		Prem 64	Oct 09

- · Power control switch on front to adjust power and energy for three modes (cool, auto, and turbo)
- 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	Tower • Black bezel • 7.09" W X 17. • 180mm W X 4 • 24.6 lb (11.2) • Toolless cove • Toolless disk, • Toolless adap Bay ① 5.25", 1
Memory	3GB , 4GB , 6GB , or 8GB std , 8GB max ⁸ , dual-channel capable, PC3-8500 1066MHz DDR3 , non-parity, four 240-pin DIMM sockets	Bay ② 5.25", 1 Bay ③ 3.0", 1
Graphics	Some: Intel Graphics Media Accelerator X4500 (GMA X4500), integrated graphics in G43, uses main memory, DirectX® 10, one 15-pin analog VGA DB-15 connector Some: ATI™ Radeon™ HD 4350, PCI Express® x16, 512MB memory, DirectX® 10, ATI Avivo™ HD, VGA, DVI-I, HDCP-compliant Some: ATI™ Radeon™ HD 4650, PCI Express® x16, 1GB memory, DirectX® 10, ATI Avivo™ HD, VGA, HDMI, DisplayPort, HDCP-compliant	Bay @ 3.5", 1 Bay ® 3.5", 1 Slot 1: half-leng Slot 2: half-leng Slot 3: half-leng Slot 4: half-leng * Wireless ada ** Graphics ada
SATA disk SATA controller SATA DVD±RW SATA Blu-ray™ SATA cables EIDE controller Diskette drive Media reader	320GB, 640GB, or 1TB SATA 3Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in ICH10R, RAID 0 support 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), five SATA connectors None None 16-in-1 media reader, internal USB 2.0	
Chipset	Intel G43 Express Chipset (PCI Express® 2.0 x16), I/O Controller F [ICH10R] (SATA 3.0Gb/s with RAID 0 support, PCI Express x1, ethe PCI 2.3, USB, LPC bus), SMSC® SCH5147-NW Super I/O	
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, 3.5 Six USB 2.0, one serial (9-pin), keyboard (PS/2), mouse (PS/2), ethe HD 4650 models: monitor (VGA DB-15, HDMI, DisplayPort) HD 4350 models: monitor (VGA DB-15, DVI-I) Others: monitor (VGA DB-15) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (sterigh Definition (HD) audio, ALC662 codec None None Some: 11b/g wireless ⁴ , Broadcom BCM4312, PCIe x1 adapter 10/100 ethernet on planar, Realtek® RTL8102E None None	ernet (RJ-45),
TV tuner Remote control Camera	Some: Hybrid tuner, support analog (NTSC) and digital (ATSC) significance: Philips® Win7 MCE remote control (40-button), IR receiver vin None	
Keyboard Mouse	Full-size keyboard (PS/2 connector), Fn keys, black Optical Wheel Mouse (USB connector), 1000 dpi, black	

Preloaded operating system²⁰

Genuine Windows Home Premium 64

Preloaded applications⁵ (only some listed)

Lenovo® OneKey Recovery
Driver and Application Installation

- McAfee VirusScan® Plus (60 days of virus definitions)
- Lenovo Power Dial
- Lenovo Healthcare Software
- Corel® WinDVD® (Blu-ray)
 CyberLink Power2Go (DVD±RW, Blu-ray)

- .32" D X 15.35" H
- 440mm D X 390mm H
- kg)
- er removal
- , optical drive removal
- pter retention

1.6" high, access, 1.6" high, access, 1" high, access, standard optical open 16-in-1 media reader 1" high, no access, standard disk 1" high, no access, optional disk 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 ngth, full-height, 32-bit PCI Ver 2.3

- apter in slot in some models
- lapter 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, 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 (78Y1553) 24x7¹⁴ toll-free support for warranty
- issues during the warranty period1 via 877-453-6686

Slot x Type-model bay	Processor	GHz	Memory ⁸	DIMM capacity	Media reader	SATA disk	SATA optical	Integrated graphics	TV tuner	Remote control	Win 7 preload	Avail date
0890-1BU 4x5 A 0890-1AU 4x5 P		2.70 2.60	4GB 6GB	(2, 2) (2, 2, 2)	16-in-1 16-in-1	320GB ² 640GB	DVD±RW DVD±RW	Radeon 3000 Radeon 3000	None None	None None	Prem 64 Prem 64	

- Power control switch on front to adjust power and energy for three modes (cool, auto, and turbo)
- Lenovo Rescue System provides OneKey recovery without booting into Windows

Processor Implementation	AMD® Athlon™ II X2 Processor 215 with dual-core, 4000MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 technology, integrated DDR3 memory controller, and 1MB L2 cache (512KB per core) AMD Phenom™ II X4 Processor 810 with quad-core, 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 technology, integrated DDR3 memory controller, 2MB L2 cache (512KB per core), and 4MB shared L3 cache Processor in Socket AM3	• 180mm W X • 24.6 lb (11. • Toolless co • Toolless dis • Toolless ad Bay ① 5.25", Bay ② 5.25",	17.32" D X 15.35" H X 440mm D X 390mm H 2 kg) ver removal sk, optical drive removal apter retention 1.6" high, access, standard optical 1.6" high, access. open
Memory	4GB or 6GB std, 8GB max ⁸ , dual-channel capable, PC3-8500 1066MHz DDR3, non-parity, four 240-pin DIMM sockets	Bay 3 3.0", Bay 4 3.5",	1" high, access, 16-in-1 media reade 1" high, no access, standard disk
Graphics	ATI™ Radeon™ 3000, integrated graphics in 760G, uses main memory, DirectX® 10, ATI Avivo™, SurroundView™, one analog VGA DB-15 connector	Slot 1: half-le Slot 2: half-le	1" high, no access, optional disk ength, full-height, PCI Express x16 Ver 2.0 ength, full-height, PCI Express x1 Ver 2.0 ength, full-height, PCI Express x1 Ver 2.0
SATA controller SATA DVD±RW SATA Blu-ray TM SATA cables EIDE controller Diskette drive Media reader Chipset	320GB or 640GB SATA 3Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in SB710, RAID 0 support Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive None Two SATA cables (each 1-drop to device), five SATA connectors None None 16-in-1 media reader, internal USB 2.0 AMD 760G Chipset with HyperTransport 3.0 and PCI Express® 2.0 SB710 south bridge		ength, full-height, 32-bit PCI Ver 2.3
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, 3.5m USB 2.0, one serial (9-pin), keyboard (PS/2), mouse (PS/2), eth monitor (VGA DB-15) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 1.5mm) (HD) audio, ALC662 codec	ernet (RJ-45),	Acresona
TV tuner Remote control Camera	None None None		11111
Keyboard Mouse Power supply	Full-size keyboard (PS/2 connector), Fn keys, black Optical Wheel Mouse (USB connector), 1000 dpi, black 280 watts, universal, manual switch		Limited Warranty ¹
Preloaded opera - Genuine Windo			 □ 1-year parts and labor □ Customer Replaceable Unit (CRU)

Limited Warranty¹

- 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) 1-year Post warraty, Onsite Repair
- 9x5 Next Business Day (78Y1557) 24x7¹⁴ toll-free support for warranty
- issues during the warranty period via 877-453-6686

Home Premium 64

Preloaded applications⁵ (only some listed)

- Lenovo® OneKey Recovery
 Driver and Application Installation
 McAfee® VirusScan® Plus
 (60 days of virus definitions)
- Lenovo Power Dial
- Lenovo Healthcare Software
- Windows Live™ Essential Microsoft® Office 2007 Trial (60-day)
- Roxio® BackOnTrack™
- CyberLink Power2Go (DVD±RW)

Type-mode	Slot x l bay		GHz	Max turbo (GHz)		Cores	Memory ⁸	SATA disk	SATA optical	Graphics	TV tuner	Remote control	802.11 wireless	Win 7 preload	Avail date
3019-1AU 3019-1BU 3019-1CU 3019-1LU 3019-2GU	4x5 4x5 4x5	i3-530 i5-750 i7-860 i7-860 i3-550	2.93 2.66 2.80 2.80 3.20	3.46	4MB 8MB 8MB 8MB 4MB	2 4 4 4 2	2GBx3 2GBx3 2GBx4 2GBx4 2GBx3	640GB ² 640GB 1TB 1TB 1TB	DVD±RW DVD±RW Blu-ray DVD±RW DVD±RW	Intel HD GeForce 310 HD4650 GeForce GT 320 Intel HD	TV TV	Remote Remote	11b/g ¹¹ 11b/g 11b/g/n ²⁸	Prem 64 Prem 64 Prem 64 Prem 64 Prem 64	Jan 10 Jan 10 Jan 10 Sep 10 Sep 10

- Power control switch on front to adjust power and energy for three modes (cool, auto, and turbo) [except 3019-2GU]
- Lenovo Rescue System provides OneKey recovery without booting into Windows

Processor Implementation	Intel® Core™ i3 Processor i3-530 or i3-550 with dual-core, Intel 64, Hyper-Threading Technology, integrated 1333MHz dual-channel DDR3 memory controller, 4MB cache or Intel Core i5 Processor i5-750 with quad-core,Intel 64, Turbo Boost Technology (up to 3.20 GHz at max turbo mode), integrated 1333MHz dual-channel DDR3 memory controller, 8MB cache or Intel Core i7 Processor i7-860 with quad-core, Intel 64, Hyper-Threading Technology, Turbo Boost Technology (up to 3.46 GHz at max turbo mode), integrated 1333MHz dual-channel DDR3 memory controller, 8MB cache Processor in LGA1156 socket	Tower • Black bezel • 7.09" W X 17 • 180mm W X • 24.6 lb (11.2 • Toolless cow • Toolless disk • Toolless ada Bay ① 5.25", Bay ② 5.25", Bay ③ 3.0",
Memory	6GB or 8GB std, 8GB max ⁸ , dual-channel capable, PC3-8500 1066MHz DDR3, non-parity, four 240-pin DIMM sockets	Bay ③ 3.0", Bay ④ 3.5", Bay ⑤ 3.5",
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 Some: NVIDIA GeForce GT 320, PCI Express x16, 1GB memory, DirectX 10.1, NVIDIA PureVideo, NVIDIA CUDA, one analog connector, one HDMI connector, HDCP	Slot 1: half-ler Slot 2: half-ler Slot 3: half-ler Slot 4: half-ler * Wireless ac ** Graphics ac g VGA DB-15
	Some: ATI™ Radeon™ HD 4650, PCI Express x16, 1GB memory, DirectX 10.1, ATI Avivo™ HD, one analog VGA connector, one HDMI connector, one DisplayPort™ connector	
SATA disk SATA controller SATA optical	640GB or 1TB, SATA 3Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in chipset, RAID 0 support 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	
SATA cables EIDE controller Diskette drive Media reader	Two SATA cables (each 1-drop to device), five SATA connectors None None 16-in-1 media reader, internal USB 2.0	
Chipset	Intel H57 Express Chipset	
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Wireless	None Some: 11b/g wireless ⁴ , Broadcom BCM4312, PCIe x1 adapter	out
Ethernet Modem Security chip	Some: 11b/g/n wireless ⁴ , Atheros® chip, PCle x1 adapter Gigabit ethernet on planar, Intel 82578DC None None	
TV tuner Remote control Camera	Some: Hybrid tuner, support analog (NTSC) and digital (ATSC) sign Some: Philips® Win7 MCE remote control (40-button), IR receiver vin None	
Keyboard Mouse Power supply	Full-size keyboard (PS/2 connector), Fn keys, black Optical Wheel Mouse (USB connector), 1000 dpi, black 280 watts, universal, manual switch	
Preloaded opera	• McAfee® VirusScan® Plus	

Preloaded operating system²⁰

Genuine Windows Home Premium 64

Preloaded applications⁵ (only some listed) Lenovo® OneKey Recovery • Driver and Application Installation

- McAfee® VirusScan® Plus (60 days of virus definitions)
- Lenovó Power Dial*
- Corel® WinDVD® (Blu-ray)
 CyberLink Power2Go* (DVD±RW, Blu-ray)
- * 3019-2GU does not have those softwares

- 7.32" D X 15.35" H
- 440mm D X 390mm H
- kg)
- er removal
- k, optical drive removal
- pter retention

standard optical 1.6" high, access, 1.6" high, access, open 1" high, access, 16-in-1 media reader 1" high, no access, standard disk 1" high, no access, optional disk

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 * ngth,full-height, 32-bit PCI Ver 2.3

lapter or TV tuner in slot in some models

dapter in slot in some models



3019-2GU does not have power control switch

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):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	GHz		ore	s Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	TV tuner	Remote control	802.11 wireless	Win 7 preload	Avail date
	2.66	8MB 8MB	2 4 4 4	2GBx2 1066 2GBx2 1066 2GBx3 1333 2GBx4 1333	16-in-1 16-in-1	640GB 1TB		Intel HD GeForce 310 GeForce GT 330 HD 5570	None None None None	None None	None None	Prem 64 Prem 64 Prem 64 Prem 64	Apr 10 Dec 10

- · Power control switch on front to adjust power and energy for three modes (cool, auto, and turbo)
- Lenovo Rescue System provides OneKey recovery without booting into Windows

Processor Implementation	Intel® Core™ i3 Processor i3-530 with dual-core, Intel 64, Hyper-Threading Technology, integrated 1333MHz dual-channel DDR3 memory controller, 4MB cache or Intel Core i5 Processor i5-750 with quad-core, Intel 64, Turbo Boost Technology (up to 3.20 GHz at max turbo mode), integrated 1333MHz dual-channel DDR3 memory controller, 8MB cache Intel Core i7 Processor i7-870 with quad-core, Intel 64, Hyper-Threading Technology, Turbo Boost Technology (up to 3.60 GHz at max turbo mode), integrated 1333MHz dual-channel DDR3 memory controller, 8MB cache Processor in LGA1156 socket	Tower Black bezel 7.09" W X 17.32" D X 15.35" H 180mm W X 440mm D X 390mm H 24.6 lb (11.2 kg) Toolless cover removal Toolless disk, optical drive removal Toolless adapter retention Bay ① 5.25", 1.6" high, access, standard optical Bay ② 5.25", 1.6" high, access, open 15 in 1 modia received.
Memory	4GB, 6GB, or 8GB std, 8GB max ⁸ , dual-channel capable, PC3-8500 1066MHz DDR3 or PC3-10600 1333 MHz DDR3,	Bay ③ 3.0", 1" high, access, 16-in-1 media real Bay ④ 3.5", 1" high, no access, standard disk Bay ⑤ 3.5", 1" high, no access, optional disk
Graphics	non-parity, four 240-pin DIMM sockets 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,	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
	DirectX 10.1, NVIDIA PureVideo®, NVIDIA CUDA™, one analog VGA DB-15 connector, one HDMI connector, HDCP Some: NVIDIA GeForce GT 330, PCI Express x16, 1GB memory, DirectX 10, NVIDIA PureVideo, NVIDIA CUDA, one analog vconnector, one HDMI connector, HDCP Some: ATI™ Radeon™ HD 5570, PCI Express x16, 1GB memory, DirectX 11, ATI Avivo™ HD, one analog VGA DB-15 connector, one HDMI connector, HDCP	VGA DB-15
SATA disk SATA controller SATA optical SATA cables Media reader	500GB, 640GB, or 1TB, SATA 3Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in chipset, RAID 0 support 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), five SATA connectors 16-in-1 media reader, internal USB 2.0	Arennes
Chipset	Intel H57 Express Chipset	
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Wireless Ethernet Modem Security chip	Two USB 2.0, microphone (3.5mm), headphone (3.5mm) Six USB 2.0, keyboard (PS/2), ethernet (RJ-45), monitor (VGA DB-1 Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm), S/PDIF-or High Definition (HD) audio, ALC888S codec None None None Gigabit ethernet on planar, Intel 82578DC None None	
TV tuner Remote control Camera	None None None	
Keyboard Mouse Power supply	Full-size keyboard (PS/2 connector), Fn keys, black Optical Wheel Mouse (USB connector), black 280 watts, universal, manual switch	Limited Warranty¹
Preloaded opera - Genuine Windo Home Premiun	ows® 7 ¯	 Customer Replaceable Unit (CRU) parts only (with limited onsite servi for selected parts³, 8 am - 5 pm) Service upgrade options



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):
- 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

Preloaded applications⁵ (only some listed)

 Lenovo® OneKey Recovery • Driver and Application Installation McAfee® VirusScan® Plus (60 days of virus definitions)

Lenovo Power Dial

Type-model	Slot x bay	Pro- cessor	GHz	Max turbo (GHz)	Cache (Cores	Memory ⁸	SATA disk	SATA optical	Graphics	TV tuner	Remote control	802.11 wireless	Win 7 preload	Avail date
7727-1SU 7727-1TU		i7-2600 i7-2600	3.40 3.40	3.80 3.80	8MB 8MB	4	4GBx3 4GBx2	1TB ² 1TB	DVD±RW DVD±RW	GeForce GT 420 GeForce GT 420	None None	None None	None None	Prem 64 Prem 64	Feb 11 Feb 11
7727-2KU 7727-2LU 7727-4HU	4x4	i5-2300 i5-2300 i7-2600	2.80 2.80 3.40	3.10 3.10 3.80	6MB 6MB 8MB	4 4 4	4GBx2 2GBx3 4GBx3	1TB 1TB 1.5TB	DVD±RW DVD±RW DVD±RW	GeForce GT 420 GeForce GT 420 Radeon HD 6450	None None None	None None None	None None 11b/g/n	Prem 64 Prem 64 Prem 64	Feb 11 Feb 11 Jul 11

- · Power control switch on front to adjust power and energy for three modes (cool, auto, and turbo)
- Lenovo Rescue System provides OneKey recovery without booting into Windows
 These systems are Microsoft[®] Office 2010 Product Key Ready (O10PKR)

Processor	Intel® Core™ i5-2300 Processor (4 cores / 4 threads, 2.80 GHz, 6M Cache)
Processor Implementation	Turbo Boost Technology 2.0 (up to 3.10 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
Memory	16GB max ⁸ , dual-channel capable, PC3-10600 1333MHz DDR3 , non-parity, four 240-pin DIMM sockets
Graphics	Some: NVIDIA® GeForce® GT 420, PCI Express® x16, 1GB memory, DirectX® 11, NVIDIA CUDA™ Technology, one VGA DB-15 connector, one HDMI connector, HDCP-compliant Some: AMD Radeon™ HD 6450, PCI Express x16, 1GB memory, DirectX 11, one VGA DB-15 connector, one HDMI connector, HDCP-compliant
SATA disk SATA controller SATA optical SATA cables EIDE controller Diskette drive Media reader	1TB or 1.5TB, SATA 3 0Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0 support Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), two SATA 3.0Gb/s connectors, two SATA 6.0Gb/s connectors, and one eSATA connector None None 16-in-1 media reader, internal USB 2.0
Chipset	Intel P67 Express Chipset
Front ports	Two USB 2.0, microphone (3.5mm), headphone (3.5mm)
Rear ports Rear audio ports Audio External speakers Internal speaker Wireless Ethernet Modem	Six USB 2.0, keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), one eSATA, monitor (VGA DB-15, HDMI) Line-in (3.5mm), line-out [Front out L/R] (3.5mm), microphone-in (3.5mm), Cen/LFE (3.5mm), Rear out L/R (3.5mm), Side surround out L/R (3.5mm) High Definition (HD) audio, ALC892 codec
Security chip	None
TV tuner Remote control Camera	None None None
Keyboard Mouse Power supply	Full-size keyboard (PS/2 connector), Fn keys, black Optical Wheel Mouse (USB connector), black 280 watts, universal, manual switch
Machine	Black bezel 7.09" W X 17.32" D X 15.35" H 180mm W X 440mm D X 390mm H 24.6 lb (11.2 kg) Toolless cover removal Toolless disk period drive removal
Bay Slot	• Toolless disk, optical drive removal • Toolless adapter retention Bay ① 5.25", 1.6" high, access, standard optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk 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 or TV tuner in slot in some models

** Graphics adapter in slot in some models

Preloaded operating system²⁰

Genuine Windows Home Premium 64

Preloaded applications⁵ (only some listed)

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



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):⁹
- - 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 bay	Pro- cessor	GHz	Max turbo (GHz)	Memory ⁸	SATA disk	SATA optical	Graphics	TV tuner	Remote 802.11 control wireless	USB3.0	Keyboard/ Mouse	Win 7 preload	Avail date
7727-4FU 7727-4EU 7727-4DU 7727-5CU	4x4 4x4 4x4 4x4 4x4	i7-2600 i7-2600 i5-2300 i5-2300 i7-2600 i7-2600 i7-2600	2.80 2.80 3.40 3.40	3.80 3.80 3.10 3.10 3.80 3.80 3.80	4GBx3 4GBx2 4GBx2 2GBx3 4GBx3 4GBx3 4GBx3	1TB ² 1TB 1TB 1TB 2TB 1.5TB 2TB	DVD±RW DVD±RW DVD±RW DVD±RW Blu-ray DVD±RW DVD±RW	GeForce GT 420 GeForce GT 420 GeForce GT 420 GeForce GT 420 Radeon HD 6450 Radeon HD 6450 Radeon HD 6450	None	None None None None None 11b/g/n None 11b/g/n	USB3.0	PS/2 / USB PS/2 / USB PS/2 / USB PS/2 / USB PS/2 / USB PS/2 / USB USB / USB	Prem 64 Prem 64 Prem 64 Prem 64	Apr 11 Apr 11 Apr 11 Nov 11 Nov 11

- · Power control switch on front to adjust power and energy for three modes (cool, auto, and turbo)
- Lenovo Rescue System provides OneKey recovery without booting into Windows
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Processor Implementation	Intel® Core™ i5-2300 Processor (4 cores / 4 threads, 2.80 GHz, 6M Cache) Turbo Boost Technology 2.0 (up to 3.10 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
Memory	16GB max ⁸ , dual-channel capable, PC3-10600 1333MHz DDR3 , non-parity, four 240-pin DIMM sockets
Graphics	Some: NVIDIA® GeForce® GT 420, PCI Express® x16, 1GB memory, DirectX® 11, one VGA connector, one HDMI connector, HDCP-compliant Some: AMD Radeon™ HD 6450, PCI Express x16, 1GB memory, DirectX 11, one VGA connector, one HDMI connector, HDCP-compliant
SATA disk SATA controller SATA optical SATA cables EIDE controller Diskette drive Media reader	TTB, 1.5TB, or 2TB SATA 3 0Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0 support Some: Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Some: Blu-ray™ Disc reader (no Blu-ray media burning), BD-ROM, DVD / CD recordable Two SATA cables (each 1-drop to device), two SATA 3.0Gb/s connectors, two SATA 6.0Gb/s connectors, and one eSATA connector None None 16-in-1 media reader, internal USB 2.0
Chipset	Intel P67 Express Chipset
Front ports Rear ports	Two USB 2.0, microphone (3.5mm), headphone (3.5mm) Six USB 2.0, two USB 3.0 on some models, keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), one eSATA, monitor (VGA DB-15, HDMI)
Rear audio ports Audio External speakers Internal speaker Wireless Ethernet Modem Security chip	Line-in (3.5mm), line-out [Front out L/R] (3.5mm), microphone-in (3.5mm), Cen/LFE (3.5mm), Rear out L/R (3.5mm), Side surround out L/R (3.5mm) High Definition (HD) audio, ALC892 codec
TV tuner Remote control Camera	None None None
Keyboard Mouse Power supply	Some: Full-size keyboard (PS/2 connector), Fn keys, black Some: Full-size keyboard (USB connector), Fn keys, black Optical Wheel Mouse (USB connector), black 280 watts, universal, manual switch
Machine Bay Slot	Black bezel 7.09" W X 17.32" D X 15.35" H 180mm W X 440mm D X 390mm H 24.6 lb (11.2 kg) Toolless cover removal Toolless disk, optical drive removal Toolless adapter retention Bay ① 5.25", 1.6" high, access, standard optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk 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 4: half-length, full-height, PCI Express x1 Ver 2.0 *

Preloaded operating system²⁰

Genuine Windows Home Premium 64

Preloaded applications⁵ (only some listed)

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

- Lenovo Power Dial
 CyberLink Power2Go
 (DVD±RW, Blu-ray)
 Microsoft Office 2010 preloaded; purchase product key to activate
- Lenovo Dynamic Brightness System
- Lenovo Eye Distance System
- Windows Live Essentials
- Backontrack



Limited Warranty¹

- 1-year parts and labor
- → 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
 975 Next Rusiness Day (78Y1552)
- - 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

** Graphics adapter in slot in some models

Wireless adapter or TV tuner in slot in some models

Slot x Type-model bay	Max Pro- turbo SATA SATA TV Remote 802. cessor GHz (GHz) Memory ⁸ disk optical Graphics tuner control wirele	
7727-3FU 4x4 7727-3GU 4x4 7727-3HU 4x4 7727-5FU 4x4 7727-5GU 4x4 7727-5RU 4x4	i7-2600 3.40 3.80 4GBx3 2TB² Blu-ray NVIDIA GTX 460 None None None None None None None None	ne 280W PS/2/USB Prem 64 Mar 11 ne 450W PS/2/USB Prem 64 Mar 11 ne 280W USB/USB Prem 64 Feb 12 ne 280W USB/USB Prem 64 Feb 12
	 Power control switch on front to adjust power and energy for three modes (coo Lenovo Rescue System provides OneKey recovery without booting into Windoo These systems are Microsoft® Office 2010 Product Key Ready (O10PKR) 	
Processor	Intel® Core™ i5-2300 Processor (4 cores / 4 threads, 2.80 GHz, 6M Cache) Turbo Boost Technology 2.0 (up to 3.10 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, 6M 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	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications⁵ (only some listed) • Lenovo® OneKey Recovery • Driver and Application Installation • McAfee® VirusScan® Plus (60 days of virus definitions)
Implementation	Processor in LGA1155 socket	Lenovo Power Dial
Memory	16GB max ⁸ , dual-channel capable, PC3-10600 1333MHz DDR3 , non-parity, four 240-pin DIMM sockets	CyberLink Power2Go (DVD±RW, Blu-ray)
Graphics	Some: NVIDIA® GeForce® GTX 460, PCI Express® x16, 1GB memory, DirectX® 11, occupy two slots, two DVI-I, one mini HDMI, HDCP-compliant Some: NVIDIA GeForce GT 440, PCI Express x16, 1.5GB memory, DirectX 11, one VGA connector, one DVI-I connector, one HDMI connector, HDCP-compliant Some: NVIDIA GeForce GT 545, PCI Express x16, 1.5GB memory, DirectX 11, one VGA connector, one DVI-I connector, one HDMI connector, HDCP-compliant Some: ATI™ Radeon™ HD 5750, PCI Express x16, 1GB memory, DirectX 11, occupy two slots, one VGA, one HDMI, HDCP-compliant	Corel® WinDVD® (Blu-ray) Microsoft Office 2010 preloaded; purchase product key to activate Lenovo Dynamic Brightness System Lenovo Eye Distance System Windows Live Essentials Backontrack
SATA disk	1TB or 2TB, SATA 3.0Gb/s, 7200 rpm	
SATA controller SATA optical	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0 support Some: Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	
SATA cables	Some: Blu-ray™ Disc reader (no Blu-ray media burning), BD-ROM, DVD / CD recordable Two SATA cables (each 1-drop to device), two SATA 3.0Gb/s connectors, two SATA 6.0Gb/s connectors, and one eSATA connector	
Diskette drive Media reader	None 16-in-1 media reader, internal USB 2.0	18.1
Chipset	Intel P67 Express Chipset	
Front ports Rear ports Rear audio ports	Two USB 2.0, microphone (3.5mm), headphone (3.5mm) Six USB 2.0, keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), one eSATA Line-in (3.5mm), line-out [Front out L/R] (3.5mm), microphone-in (3.5mm),	
Audio Speaker Wireless	Cen/LFE (3.5mm), Rear out L/R (3.5mm), Side surround out L/R (3.5mm) High Definition (HD) audio, ALC892 codec None None	Астиница
Ethernet Modem	Gigabit ethernet on planar, Intel 82579 None	
Security chip	None	
TV tuner Remote control Camera	None None None	
Keyboard	Some: Full-size keyboard (PS/2 connector), Fn keys, black Some: Full-size keyboard (USB connector), Fn keys, black	
Mouse Power supply	Optical Wheel Mouse (USB connector), black Some: 280 watts, universal, manual switch Some: 450 watts, universal, auto-sensing	
Machine	 Black bezel 7.09" W X 17.32" D X 15.35" H; 180mm W X 440mm D X 390mm H 24.6 lb (11.2 kg) Toolless diver removal 	Limited Warranty ¹ 1-year parts and labor
Bay Slot	Toolless disk, optical drive removal Toolless adapter retention Bay ① 5.25", 1.6" high, access, standard optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk Slot 1: half-length, full-height, PCI Express x16 Ver 2.0 ** Slot 2: half-length, full-height, PCI Express x16 Ver 2.0 ** Slot 3: half-length, full-height, PCI Express x1 Ver 2.0 * * Wireless adapter or TV tuner in slot in some models ** Graphics adapter in slot in some models, some graphics adapters occupy two slots	 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- turbo SATA SATA TV Remote 802 cessor GHz (GHz) Memory ⁸ disk optical Graphics tuner control wire	.11 Keyboard Win 7 Avail less USB3.0 / Mouse preload date
7747-1KU 4x4 7747-1QU 4x4 7747-1GU 4x4 7747-2AU 4x4 7747-2BU 4x4 7747-2CU 4x4 7747-2DU 4x4 7747-2JU 4x4	5-2320 3.00 3.30 4GBx2 1TB DVD±RW Intel HD 2000 None None 11b, 5-2320 3.00 3.30 4GBx2 1.5TB DVD±RW Radeon HD 6450 None None 11b, 5-2320 3.00 3.30 4GBx2 2TB Blu-ray Radeon HD 6450 None None 11b, 3-2120 3.30 2+4GB 1TB DVD±RW Intel HD 2000 None None 11b, 5-2320 3.00 3.30 4GBx2 1.5TB DVD±RW Intel HD 2000 None None 11b, • Power control switch on front to adjust power and energy for three modes (cool	Ö/n PS/2 / USB Prem 64 Auğ 11 Ö/n USB3.0 PS/2 / USB Prem 64 Nov 11 Ö/n USB3.0 PS/2 / USB Prem 64 Nov 11 Ö/n USB3.0 PS/2 / USB Prem 64 Nov 11 Ö/n USB3.0 PS/2 / USB Prem 64 Nov 11 Ö/n USB / USB Prem 64 Mar 12 O/n USB / USB Prem 64 Mar 12 Auto, and turbo)
	 Lenovo Rescue System provides OneKey recovery without booting into Window These systems are Microsoft[®] Office 2010 Product Key Ready (O10PKR) 	s
Processor Implementation	Intel® Core™ i3-2100 Processor (2 cores / 4 threads, 3.10 GHz, 3M Cache), DDR3 memory controller (up to 1333MHz) Intel Core i3-2120 Processor (2 cores / 4 threads, 3.30 GHz, 3M Cache), DDR3 memory controller (up to 1333MHz) Intel Core i5-2310 Processor (4 cores / 4 threads, 2.90 GHz, 6M Cache), Turbo Boost Technology 2.0 (up to 3.20 GHz), DDR3 memory controller (up to 1333MHz) Intel Core i5-2320 Processor (4 cores / 4 threads, 3.00 GHz, 6M Cache), Turbo Boost Technology 2.0 (up to 3.30 GHz), DDR3 memory controller (up to 1333MHz) Intel Core i7-2600 Processor (4 cores / 8 threads, 3.40 GHz, 8M Cache), Turbo Boost Technology 2.0 (up to 3.80 GHz), DDR3 memory controller (up to 1333MHz) Processor in LGA1155 socket	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications ⁵ (only some listed) • Lenovo® OneKey Recovery • Driver and Application Installation • McAfee® VirusScan® Plus (60 days of virus definitions) • Lenovo Power Dial
Memory	8GB max ⁸ , dual-channel capable, PC3-10600 1333MHz DDR3 , non-parity, two 240-pin DIMM sockets	 CyberLink Power2Go (DVD±RW, Blu-ray) Microsoft Office 2010 preloaded;
Graphics	Some: Intel HD Graphics 2000, integrated in processor, uses main memory, DirectX® 10.1, one VGA connector, one HDMI connector, HDCP-compliant Some: AMD Radeon™ HD 6450, PCI Express x16, 1GB memory, DirectX 11, one VGA connector, one HDMI connector, HDCP-compliant	purchase product key to activate Lenovo Dynamic Brightness System Lenovo Eye Distance System Windows Live Essentials Backontrack
SATA disk SATA controller SATA optical SATA cables EIDE controller Diskette drive Media reader	1TB, 1.5TB, 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™ Disc reader (no Blu-ray media burning), BD-ROM, DVD / CD recordable Two SATA cables (each 1-drop to device), four SATA 3.0Gb/s connectors None None 16-in-1 media reader, internal USB 2.0	1001
Chipset	Intel H61 Express Chipset	and the second
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Wireless Ethernet Modem Security chip	Two USB 2.0, microphone (3.5mm), headphone (3.5mm) Four USB 2.0, two USB 3.0 on some models, keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, HDMI) Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm), High Definition (HD) audio, ALC662 codec	Arrana
TV tuner Remote control Camera	None None None	
Keyboard Mouse Power supply	Some: Full-size keyboard (PS/2 connector), Fn keys, black Some: Full-size keyboard (USB connector), Fn keys, black Optical Wheel Mouse (USB connector), black 280 watts, universal, manual switch	
Machine	Black bezel 7.09" W X 17.32" D X 15.35" H 180mm W X 440mm D X 390mm H 24.6 lb (11.2 kg) Toolless cover removal Toolless disk, optical drive removal Toolless adapter retention	Limited Warranty¹
Bay Slot	Bay ① 5.25", 1.6" high, access, standard optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, no access, standard disk Bay ④ 3.5", 1" high, no access, optional disk 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 or TV tuner in slot in some models ** Graphics adapter in slot in some models	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





Lenovo IdeaCentre A300



Lenovo IdeaCentre A300



Lenovo IdeaCentre A300



Lenovo IdeaCentre A300



Lenovo IdeaCentre A300



Lenovo IdeaCentre A300 Wireless keyboard and mouse

	Came	ra							
Proc- Type-model essor GHz	Widescreen (meg Memory display pixe	••		ernal Card tical 802.11	Remote control		KBD/ Mouse	Win7 preload	Avail date
	3GB 21.5" WUXGA 0.3 4GB 21.5" WUXGA 0.3					Bluetooth Bluetooth			

- All-In-One design with 21.5" Full HD 16:9 widescreen, glossy display
 (Seleted models) Integrated TV tuner
 Lenovo Rescue System provides OneKey recovery without booting into Windows

Processor	Intel® Pentium® Processor T4400 with dual-core, 800MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo processor T6600 with dual-core, 800MHz system bus, and 2MB L2 cache	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 - Preloaded applications ¹⁴ (only some
Memory	3GB or 4GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available	listed) Lenovo® OneKey Recovery Media Show
External DVD±RW SATA disk	None 320GB or 500GB , SATA 3.0Gb/s, 2.5" wide, 5400 rpm	Lenovo CamSuite McAfee® VirusScan® Plus
Widescreen display Camera Controls	21.5" (546.1mm) WUXGA (1920x1080) TFT color, VibrantView (glossy), CCFL backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, frameless screen Camera on top of screen, 0.3-megapixel, fixed focus, with mono microphone Touch-sensitive buttons for brightness control, Novo Vision (internet / video / text), mode switch (panel off / PC / HDMI IN)	(60 days of virus definitions) • Windows Live™ Essential • Microsoft® Office 2007 Trial (60-day)
Graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), integrated graphics in GM45, uses main memory, DirectX® 10	
Chipset Multicard reader Ports	Mobile Intel GM45 Express Chipset, ICH9M I/O Controller Hub 8-in-1 reader (MultiMedia Card, RS-MMC, Memory Stick, Memory Stick PRO™, Memory Stick Duo, Secure Digital Card, miniSD, xD-Picture Card™) Rear: Two USB 2.0, ethernet (RJ-45), TV antenna connector on some models;	
	IEEE 1394 FireWire 400 (4-pin connector), HDMI in/out Side: Two USB 2.0	
PCIe Mini Card 11b/g/n ²⁸ TV tuner	Two PCIe Mini Card slots 11b/g/n wireless ⁴ , PCIe Mini Card, Broadcom® chip or Atheros chip Some: AverMedia® Hybrid tuner, support analog and digital signal, PCIe Mini Card	120-watt AC adapter RoHS-compliant
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH9M, LED indicator	Limited Warranty ¹
Modem Ethernet Audio support	None Gigabit ethernet on planar, Realtek® RTL8111DL High Definition (HD) Audio, Realtek ALC272 codec / stereo speakers (2 watt x 2) / mono microphone, microphone input jack (3.5 mm), headphone jack / S/PDIF-out (3.5 mm)	 1-year parts and labor Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm)
Security	Power-on password, supervisor password, security lockhole	→ Service upgrade options
Keyboard Mouse Remote control	Wireless keyboard via Bluetooth®, 6-row, multimedia Fn keys, white Wireless laser mouse via Bluetooth, 1200 dpi, white None	(in eligible locations): • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552)
Dimensions ³ Weight ² Chassis View adjustments	With base (WxHxD): 20.63" x 15.59" x 8.27"; 524mm x 396mm x 210mm Screen depth: 0.73"; 18.5mm 22.9 lb (10.4 kg) White color, ABS plastic Tilt: 18° back, 3° forward; swivel: +/-10°	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) announced March 11, 2010 US model(s) withdrawn effective April 2013

© Lenovo (SMU1-2) April 2013

		Camera										
Proc- Type-model essor GHz	Widescreen Memory display	(mega- pixel)	Graphics		External optical			Remote control	Bluetooth	KBD/ Mouse	Win7 preload	Avail date
4018-1MU T4400 2.20 4018-1NU T4400 2.20 4018-1OU T6600 2.20 4018-4BU T6570 2.10	4GB 21.5" WUXGA 4GB 21.5" WUXGA	0.3M 0.3M	GMA 4500MHD GMA 4500MHD	500GB 500GB	None None	11b/g/n 11b/g/n	TV TV	None None	Bluetooth Bluetooth	BT/BT BT/BT	Prem 64 Prem 64	Mar 10 Mar 10

- All-In-One design with 21.5" Full HD 16:9 widescreen, glossy display
 (Seleted models) Integrated TV tuner
- Lenovo Rescue System provides OneKey recovery without booting into Windows

Processor	Intel® Pentium® Processor T4400 with dual-core, 800MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo processor T6570 or T6600 with dual-core, 800MHz system bus, and 2MB L2 cache	Preloaded operating system ²⁰ - Genuine Windows [®] 7 Home Premium 64 - Preloaded applications ¹⁴ (only some
Memory	2GB or 4GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; Non-italics: standard memory in one socket; one socket available Italics: standard memory in both sockets; no sockets available	listed) Lenovo® OneKey Recovery Media Show Lenovo CamSuite
External DVD±RW SATA disk	None 320GB or 500GB , SATA 3.0Gb/s, 2.5" wide, 5400 rpm	McAfee® VirusScan® Plus (60 days of virus definitions)
Widescreen display Camera Controls	21.5" (546.1mm) WUXGA (1920x1080) TFT color, VibrantView (glossy), CCFL backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, frameless screen Camera on top of screen, 0.3-megapixel, fixed focus, with mono microphone Touch-sensitive buttons for brightness control, Novo Vision (internet / video / text), mode switch (panel off / PC / HDMI IN)	Windows Live™ Essential Microsoft® Office 2007 Trial (60-day)
Graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), integrated graphics in GM45, uses main memory, DirectX® 10	
Chipset Multicard reader Ports	Mobile Intel GM45 Express Chipset, ICH9M I/O Controller Hub 8-in-1 reader (MultiMedia Card, RS-MMC, Memory Stick, Memory Stick PRO™, Memory Stick Duo, Secure Digital Card, miniSD, xD-Picture Card™) Rear: Two USB 2.0, ethernet (RJ-45), TV antenna connector on some models;	
	IEEE 1394 FireWire 400 (4-pin connector), HDMI in/out Side: Two USB 2.0	
PCIe Mini Card 11b/g/n ²⁸ TV tuner	Two PCIe Mini Card slots 11b/g/n wireless ⁴ , PCIe Mini Card, Broadcom® chip or Atheros chip AverMedia® Hybrid tuner, support analog and digital signal, PCIe Mini Card	120-watt AC adapter RoHS-compliant
Bluetooth™ Modem	Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH9M, LED indicator None	Limited Warranty ¹
Ethernet Audio support	Gigabit ethernet on planar, Realtek® RTL8111DL High Definition (HD) Audio, Realtek ALC272 codec / stereo speakers (2 watt x 2) / mono microphone, microphone input jack (3.5 mm), headphone jack / S/PDIF-out (3.5 mm)	 1-year parts and labor Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm)
Security Keyboard Mouse Remote control	Power-on password, supervisor password, security lockhole Wireless keyboard via Bluetooth, 6-row, multimedia Fn keys, white Wireless laser mouse via Bluetooth, 1200 dpi, white None	Service upgrade options (in eligible locations): 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552)
Dimensions ³ Weight ² Chassis View adjustments	With base (WxHxD): 20.63" x 15.59" x 8.27"; 524mm x 396mm x 210mm Screen depth: 0.73"; 18.5mm 22.9 lb (10.4 kg) White color, ABS plastic Tilt: 18° back, 3° forward; swivel: +/-10°	3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) 24x7 ¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686

See footnotes for important warranty information US model(s) announced February 5, 2010 or February 16, 2011 US model(s) withdrawn effective April 2013

© Lenovo

(SMU1-1) April 2013

	Max CCFL Camera															
Type-model	Proc- essor	GHz (G	urbo GHz)	Memory	Widescreen display		(mega- pixel)	Graphics	SATA disk	External optical	Card 802.11	TV tuner	Remote control	KBD/ Mouse	Win7 preload	Avail date
4073-2DU 4073-2EU													Remote		Prem 64 Prem 64	

- All-In-One design with 21.5" Full HD 16:9 widescreen, glossy display
 (Seleted models) Integrated TV tuner
- Lenovo Rescue System provides OneKey recovery without booting into Windows
 These systems are Microsoft[®] Office 2010 Product Key Ready (O10PKR)

Processor	Intel® Pentium® processor P6100 with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), and 3MB cache or Intel® Core™ i3 processor i3-370M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications ¹⁴ (only some listed) • Lenovo® OneKey Recovery
Memory	4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Driver and Application Installation McAfee® VirusScan® Plus
External DVD±RW SATA disk	/ USB 2.0 external DVD burner, tray-in 320GB or 500GB , SATA 3.0Gb/s, 2.5" wide, 5400 rpm	(60 days of virus definitions) • CyberLink YouCam
Widescreen display Camera Controls	21.5" (546.1mm) Full HD (WUXGA 1920x1080) TFT color, VibrantView (glossy), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, frameless screen Camera on top of screen, 0.3-megapixel, fixed focus, with mono microphone Touch-sensitive buttons for Menu/OK button and Direction buttons	 Windows Live™ Essential Microsoft Office 2010 preloaded; purchase product key to activate CyberLink Power2Go (DVD±RW)
Graphics	Intel HD Graphics in processor, external digital monitor support via HDMI out connector, HDCP-compliant	
Chipset Multicard reader Ports	Mobile Intel HM55 Express Chipset 7-in-1 reader (MultiMedia Card, RS-MMC, Memory Stick, Memory Stick PRO™, Memory Stick Duo, Secure Digital Card, miniSD) Rear: Two USB 2.0, ethernet (RJ-45), TV tuner connector on some models; HDMI in, HDMI out Side: Two USB 2.0	
PCIe Mini Card 11b/g/n ²⁸ TV tuner Bluetooth [®] Modem	Two PCIe Mini Card slots 11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® BCM43225 Some: Hybrid tuner, support analog and digital signal, PCIe Mini Card Bluetooth 2.1 wireless + EDR, USB 2.0 interface, LED indicator None	120-watt AC adapter RoHS-compliant Limited Warranty ¹
Ethernet Audio support	Gigabit ethernet on planar, Realtek® RTL8111DL High Definition (HD) Audio, Realtek ALC272 codec / stereo speakers (2 watt x 2) / mono microphone, microphone input jack (3.5 mm), headphone jack / S/PDIF-out (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 parts³, 8 am - 5 pm)
Keyboard Mouse Remote control	Wireless keyboard via Bluetooth, 6-row, multimedia Fn keys, white Wireless laser mouse via Bluetooth, white Some: MCE remote control, via IR	 Service upgrade options (in eligible locations):⁹ 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552)
Dimensions ³ Weight ² Chassis View adjustments	With base (WxHxD): 20.63" x 15.59" x 8.15"; 524mm x 396mm x 207mm Screen depth: 0.73"; 18.5mm 15.9 lb (7.2 kg), weight may vary by configuration White color, ABS plastic Tilt: 18° back, 3° forward; swivel: +/-10°	3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) 24x7 ¹⁴ toll-free support for warranty issues during the warranty period via 877-453-6686

See footnotes for important warranty information US model(s) announced August 25, 2010 US model(s) withdrawn effective April 2013

© Lenovo (SMU2-1) April 2013

			Max		CCFL Camera											
Type-model	Proc- essor	GHz	turbo (GHz)	Memory	Widescreen display		(mega pixel)	Graphics	SATA disk	External optical	Card 802.11	TV tuner	Remote control	KBD/ Mouse	Win7 preload	Avail date
4073-1GU 4073-1HU 4073-2FU 4073-4NU	i5-450M i3-370M	2.40 2.40	2.66	2GBx2 2GBx2	21.5" FHD	LED LED	0.3M 0.3M	Intel HD Intel HD	500GB 500GB			TV	Remote Remote	BT/BT I BT/BT I	Prem 64 Prem 64	Aug 10 Mar 11

- All-In-One design with 21.5" Full HD 16:9 widescreen, glossy display
 (Seleted models) Integrated TV tuner
- Lenovo Rescue System provides OneKey recovery without booting into Windows
 These systems are Microsoft[®] Office 2010 Product Key Ready (O10PKR)

Processor	Intel® Core™ i3 processor i3-350M or i3-370M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or Intel Core i5 processor i5-450M with dual-core, DMI, integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications ¹⁴ (only some listed) • Lenovo® OneKey Recovery
Memory	8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Driver and Application Installation McAfee® VirusScan® Plus
External DVD±RW SATA disk	/ Some: USB 2.0 external DVD burner, tray-in 320GB, 500GB, or 750GB, SATA 3.0Gb/s, 2.5" wide, 5400 rpm	(60 days of virus definitions) • CyberLink YouCam
Widescreen display Camera Controls	21.5" (546.1mm) Full HD (WUXGA 1920x1080) TFT color, VibrantView (glossy), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, frameless screen Camera on top of screen, 0.3-megapixel, fixed focus, with mono microphone Touch-sensitive buttons for Menu/OK button and Direction buttons	Windows Live Essentials Microsoft Office 2010 preloaded; purchase product key to activate CyberLink Power2Go (DVD±RW)
Graphics	Intel HD Graphics in processor, external digital monitor support via HDMI out connector, HDCP-compliant	
Chipset Multicard reader Ports	Mobile Intel HM55 Express Chipset 7-in-1 reader (MultiMedia Card, RS-MMC, Memory Stick, Memory Stick PRO™, Memory Stick Duo, Secure Digital Card, miniSD) Rear: Two USB 2.0, ethernet (RJ-45), TV tuner connector on some models; HDMI in, HDMI out Side: Two USB 2.0	
PCIe Mini Card 11b/g/n ²⁸ TV tuner Bluetooth® Modem	Two PCIe Mini Card slots 11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® BCM43225 Some: Hybrid tuner, support analog and digital signal, PCIe Mini Card Bluetooth 2.1 wireless + EDR, USB 2.0 interface, LED indicator None	120-watt AC adapter RoHS-compliant Limited Warranty ¹
Ethernet Audio support	Gigabit ethernet on planar, Realtek® RTL8111DL High Definition (HD) Audio, Realtek ALC272 codec / stereo speakers (2 watt x 2) / mono microphone, microphone input jack (3.5 mm), headphone jack / S/PDIF-out (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 parts³, 8 am - 5 pm)
Keyboard Mouse Remote control	Wireless keyboard via Bluetooth, 6-row, multimedia Fn keys, white Wireless laser mouse via Bluetooth, white Some: MCE remote control, via IR	 Service upgrade options (in eligible locations):⁹ 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552)
Dimensions ³ Weight ² Chassis View adjustments	With base (WxHxD): 20.63" x 15.59" x 8.15"; 524mm x 396mm x 207mm Screen depth: 0.73"; 18.5mm 15.9 lb (7.2 kg), weight may vary by configuration White color, ABS plastic Tilt: 18° back, 3° forward; swivel: +/-10°	3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) 24x7 ¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686

See footnotes for important warranty information US model(s) announced August 25, 2010 or March 9 or May 18, 2011 US model(s) withdrawn effective April 2013

© Lenovo (SMU2-2) April 2013

ideacentre



Lenovo IdeaCentre A600 (Remote control and wireless keyboard/mouse on select models)



Lenovo IdeaCentre A600 (Remote control and wireless keyboard/mouse on select models)



Lenovo IdeaCentre A600



Lenovo IdeaCentre A600



Lenovo IdeaCentre A600



Lenovo IdeaCentre A600

Proc- Type-model essor		te Micro- Blue- KBD/ Vista Avail ol phone tooth Mouse preload date
3011-2BU T4200 3011-2CU T4200 3011-3AU T6400 3011-3CU T6400 3011-4AU P7450 3011-4BU P7450 3011-3DU T6400	2.00 4GB 21.5" WÜXGA 2.0 HD 3650 1TB DVD±RW ★ Intel 5100 TV Removed 2.13 4GB 21.5" WUXGA 2.0 HD 3650 1TB BD player ♣ Intel 5100 TV 4-in-1 2.00 3GB 21.5" WUXGA 2.0 HD 3650 1TB BD player ♣ Intel 5100 TV 4-in-1 2.00 4GB 21.5" WUXGA 2.0 HD 3650 640GB DVD±RW ★ Intel 5100 TV 4-in-1	Mono USB Mono Prem 64 USB Prem 64 Apr 09 Mono USB Prem 64 Apr 09 Mono USB Prem 64 Apr 09 Mono USB Prem 64 Apr 09 Array Blue Wireless Prem 64 Apr 09 Array Blue Wireless Prem 64 Apr 09 Mono Wireless Prem 32 Apr 09 Array Blue Wireless Prem 64 Apr 09
	 All-In-One design with 21.5" Full HD 16:9 widescreen, glossy display (Seleted models) Integrated TV tuner (Seleted models) 4-in-1 remote control acts as a motion game controller (requipment game support), VOIP handset, Vista Media Center remote and air mouse Integrated camera and Lenovo's VeriFace face recognition software helps con access to your notebook by recognizing your face Dolby® Home Theater™ premium audio system with two speakers and one sub Lenovo Rescue System provides OneKey recovery and OneKey Antivirus with booting into Windows 	trol woofer
Processor	Intel® Pentium® processor T4200 with dual-core, 800MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo processor T6400 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core 2 Duo processor P7450 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache	Preloaded operating system ²⁰ - Some: Genuine Windows® Vista® Home Premium 32 - Some: Genuine Windows Vista Home Premium 64 ♦ Vista Premium logo
Memory	2GB , 3GB , or 4GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-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	Preloaded applications ¹⁴ Lenovo® OneKey Recovery Driver and Application Installation Lenovo Recovery Disk Maker
SATA DVD±RW SATA Blu-ray™ SATA disk	Some: DVD burner, dual-layer support, fixed, not removable, 12.7mm, slot-in Some: Blu-ray Disc reader (no Blu-ray media burning), BD-ROM, no HD-DVD playback, DVD recordable, not removable, 12.7mm high, slot-in 320GB, 500GB, 640GB, or 1TB, SATA 3.0Gb/s, 3.5" wide, 7200 rpm	 Lenovo Healthcare Software VeriFace™ Media Show Trend Micro™ PC-cillin™ Internet
Widescreen display Camera	21.5" (546.1mm) WUXGA (1920x1080) TFT color, VibrantView (glossy), CCFL backlight, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio, frameless screen Some: camera on top of screen, 1.3-megapixel, fixed focus, with mono microphone Some: camera on top of screen, 2.0-megapixel, fixed focus, with dual array microphone Touch-sensitive buttons for brightness, display on/off, and optical disk drive eject	Security 2008 • Windows Live™ Toolbar • Microsoft® Office 2007 Trial (60-day) • Cyberlink Power2Go (DVD±RW, BD player) • Corel® WinDVD® (BD player)
Graphics	Some: Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), integrated graphics in GM45, uses main memory, DirectX® 10 Some: ATI™ Mobility Radeon™ HD 3650, PCI Express® x16, 512MB memory, DirectX® 10, ATI Avivo™ HD	
Chipset Multicard reader Ports	Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express 1.1, PCI 2.3, ethernet MAC) 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), TV antenna connector on some models;	
Mini PCI Express Intel 5100 ²⁸ 11b/g ²⁸ TV tuner Bluetooth™	Left: Two USB 2.0, IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Two Mini PCI Express slots Some: 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Some: 11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312 Some: AverMedia® Hybrid tuner, support analog and digital signal, Mini PCIe adapter Some: Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH9M, LED indicator	Available at these retailers I lenovo.com Fry's Some: 130-watt (GMA graphics) AC
Modem Ethernet Audio support	None Gigabit ethernet on planar, Broadcom BCM5784 High Definition (HD) Audio, RealTek® ALC272 codec / two speakers (3 watt) and subwoofer (8 watt), Dolby Home Theater Speaker System / mono microphone or dual array microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	adapter Some: 150-watt (ATI graphics) AC adapter RoHS-compliant Limited Warranty ¹²
Security	Power-on password, hard disk password, supervisor password	⇒ 1-year parts and labor
Keyboard Mouse Remote control	Some: Wireless RF 2.4 GHz keyboard with touch pad, 6-row, 84-key, touch-sensitive multimedia keys and shortcut keys Some: USB full-size keyboard with USB hub (two USB ports) Some: USB Optical Wheel Mouse, 800/1600 dpi (user switchable) Some: USB Optical Wheel Mouse Some: Vista MCE remote control (40-button), via IR Some: 4-in-1 remote control, via bluetooth, acts as motion game controller (requires games* support), VOIP headset, Vista MCE remote control, and air mouse * Motion games CD included in 4-in-1 remote control models (requires 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):³ • 3-year Lenovo Onsite Repair
Dimensions ³ Weight ² Chassis Stand	(WxHxD): 20.47" x 18.22" x 1.06" to 2.36"; 520mm x 463mm x 27 to 60mm 27.7 lb (12.6 kg) Black color, ABS plastic Tilt stand (15° back, 5° forward)	9x5 Next Business Day (78Y1553) ⇒ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686

Pr Type-model es	roc- ssor Gl	Hz I	Memory		creen	Camera (mega- pixel)		SATA disk	SATA optical	Mini PCle 802.11 wireless		Remote r control				Vista preload	Avail date
3011-3RU T6	500 2 500 2	.10 .10	4GB 4GB	21.5" V 21.5" V	VUXGA VUXGA	2.0 2.0	HD 4650 HD 4650	500GB 640GB	DVD±RW DVD±RW	* Intel 5100 * Intel 5100 * Intel 5100 • Intel 5100	TV TV	4-in-1	Array	Blue Blue	USB Wireless	Prem 64	Sep 09 Sep 09

- All-In-One design with 21.5" Full HD 16:9 widescreen, glossy display
- (Seleted models) Integrated TV tuner
- (Seleted models) 4-in-1 remote control acts as a motion game controller (requires game support), VOIP handset, Vista Media Center remote and air mouse
- Integrated camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby® Home Theater™ premium audio system with two speakers and one subwoofer
 Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Processor	Intel® Core™ 2 Duo processor T6500 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core 2 Duo processor P7350 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache	Preloaded operating system ²⁰ - Genuine Windows® Vista® Home Premium 64 ⇒ Vista Premium logo
Memory	4GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available	Preloaded applications ¹⁴ Lenovo® OneKey Recovery Driver and Application Installation
SATA DVD±RW SATA Blu-ray™	Some: DVD burner, dual-layer support, fixed, not removable, 12.7mm, slot-in Some: Blu-ray Disc reader (no Blu-ray media burning), BD-ROM, no HD-DVD playback, DVD recordable, not removable, 12.7mm high, slot-in	Lenovo Recovery Disk Maker Lenovo Healthcare Software VeriFace™ Media Show
SATA disk	500GB , 640GB , or 1TB , SATA 3.0Gb/s, 3.5" wide, 7200 rpm	Trend Micro™ PC-cillin™ Internet
Widescreen display Camera	21.5" (546.1mm) WUXGA (1920x1080) TFT color, VibrantView (glossy), CCFL backlight, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio, frameless screen Some: camera on top of screen, 1.3-megapixel, fixed focus, with mono microphone Some: camera on top of screen, 2.0-megapixel, fixed focus, with dual array microphone	Security 2008 • Windows Live™ Toolbar • Microsoft® Office 2007 Trial (60-day) • Cyberlink Power2Go (DVD±RW, BD player)
Controls	Touch-sensitive buttons for brightness, display on/off, and optical disk drive eject	Corel® WinDVD® (BD player)
Graphics	 Some: Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), integrated graphics in GM45, uses main memory, DirectX® 10 Some: ATI™ Mobility Radeon™ HD 4650, PCI Express® x16, 512MB memory, DirectX® 10, ATI Avivo™ HD 	(== p.o.y.)
Chipset	Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express 1.1, PCI 2.3, ethernet MAC)	
Multicard reader	ethernet MAC) 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), TV antenna connector on some models; Left: Two USB 2.0, IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	
Mini PCI Express Intel 5100 ²⁸ TV tuner	Two Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Some: AverMedia® Hybrid tuner, support analog and digital signal, Mini PCIe adapter	Available at these retailers • lenovo.com
Bluetooth™	Some: Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH9M, LED indicator	Some: 130-watt (GMA graphics) AC
Modem Ethernet	None Gigabit ethernet on planar, Broadcom BCM5784	adapter
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec /	Some: 150-watt (ATI graphics) AC adapter
	two speakers (3 watt) and subwoofer (8 watt), Dolby Home Theater Speaker System / mono microphole or dual array microphone, microphone input jack (3.5 mm),	RoHS-compliant
Security	headphone jack (3.5 mm) Power-on password, hard disk password, supervisor password	Limited Warranty ¹²
Keyboard	Some: Wireless RF 2.4 GHz keyboard with touch pad, 6-row, 84-key, touch-sensitive multimedia keys and shortcut keys Some: USB full-size keyboard with USB hub (two USB ports)	 1-year parts and labor Customer Replaceable Unit (CRU) parts only (with limited onsite
Mouse	Some: Wireless RF 2.4 GHz Laser Wheel Mouse, 800/1600 dpi (user switchable) Some: USB Optical Wheel Mouse	service for selected parts ³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business
Remote control	Some: Vista MCE remote control (40-button), via IR Some: 4-in-1 remote control, via bluetooth, acts as motion game controller (requires games* support), VOIP headset, Vista MCE remote control, and air mouse * Motion games CD included in 4-in-1 remote control models (requires installation)	day response time) Service upgrade options (in eligible locations):9
Dimensions ³	(WxHxD): 20.47" x 18.22" x 1.06" to 2.36"; 520mm x 463mm x 27 to 60mm	 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553)
Weight ²	27.7 lb (12.6 kg)	24x7 ¹⁴ toll-free support for warranty
Chassis Stand	Black color, ABS plastic Tilt stand (15° back, 5° forward)	issues during the warranty period ¹ via 877-453-6686

Type-model	Proc- essor	GHz		Widescreen	Camer (mega pixel)		SATA disk	SATA optical	-	/lini PCle 802.11 wireless		Remote control			KBD/ Mouse	Win7 preload	Avail date
3011-6CU	T4300	2.10	2GB 2	1.5" WUXGA	1.3	GMA	320GB8	DVD±RW		Intel 5100 ²	8		Mono		USB	Prem 64	Oct 09
3011-6DU	T4300	2.10	4GB 2	1.5" WUXGA	2.0	HD 4650	320GB	DVD ±RW		11b/g	TV		Array	Blue	USB	Prem 64	Oct 09
3011-CGU	T6600	2.20	4GB 2	1.5" WUXGA	2.0	HD 4650	640GB	DVD±RW	*	Intel 5100	TV	4-in-1	Array	Blue	Wireless	Prem 64	Oct 09
3011-CJU	T6600	2.20	3GB 2	1.5" WUXGA	2.0	HD 4650	500GB	DVD±RW	*	Intel 5100	TV	Remote	Array	Blue	USB	Prem 64	Oct 09
3011-CKU	T6600	2.20	4GB 2	1.5" WUXGA	2.0	HD 4650	500GB	DVD±RW	*	Intel 5100	TV	Remote	Array	Blue	Wireless	Prem 64	Oct 09
				1.5" WUXGA													

- All-In-One design with 21.5" Full HD 16:9 widescreen, glossy display
- (Seleted models) Integrated TV tuner
- (Seleted models) 4-in-1 remote control acts as a motion game controller (requires game support), VOIP handset, Vista Media Center remote and air mouse

 • Dolby® Home Theater™ premium audio system with two speakers and one subwoofer
- Lenovo Rescue System provides OneKey recovery without booting into Windows

Processor	Intel® Pentium® Processor T4300 with dual-core, 800MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo processor T6600 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core 2 Duo processor P7550 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) - Lenovo® OneKey Recovery				
Memory	2GB , 3GB , or 4GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; Non-italics: standard memory in one socket; one socket available standard memory in both sockets; no sockets available	Lenovo Healthcare Software Media Show McAfee VirusScan® Plus (60 days of virus definitions)				
SATA DVD±RW SATA Blu-ray™ SATA disk	Some: DVD burner, dual-layer support, fixed, not removable, 12.7mm, slot-in Some: Blu-ray Disc reader (no Blu-ray media burning), BD-ROM, no HD-DVD playback, DVD recordable, not removable, 12.7mm high, slot-in 320GB, 500GB, 640GB, or 1TB, SATA 3.0Gb/s, 3.5" wide, 7200 rpm	Cyberlink Power2Go (DVD±RW, BD player) Corel® WinDVD® (BD player)				
Widescreen display Camera	21.5" (546.1mm) WUXGA (1920x1080) TFT color, VibrantView (glossy), CCFL backlight, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio, frameless screen Some: camera on top of screen, 1.3-megapixel, fixed focus, with mono microphone Some: camera on top of screen, 2.0-megapixel, fixed focus, with dual array microphone					
Graphics	Touch-sensitive buttons for brightness, display on/off, and optical disk drive eject Some: Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), integrated graphics in GM45, uses main memory, DirectX® 10 Some: ATI™ Mobility Radeon™ HD 4650, PCI Express® x16, 512MB memory, DirectX® 10, ATI Avivo™ HD					
Chipset Multicard reader	Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express 1.1, PCI 2.3, ethernet MAC) 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)					
Mini PCI Express Intel 5100 ²⁸ 11b/g ¹¹	Rear: Four USB 2.0, ethernet (RJ-45), TV antenna connector on some models; Left: Two USB 2.0, IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Two Mini PCI Express slots Some: 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak Some: 11b/g wireless ⁴ , Mini PCIe adapter, Broadcom® BCM4312					
TV tuner Bluetooth™ Modem Ethernet Audio support	Some: AverMedia® Hybrid tuner, support analog and digital signal, Mini PCIe adapter Some: Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH9M, LED indicator None Gigabit ethernet on planar, Broadcom BCM5784 High Definition (HD) Audio, RealTek® ALC272 codec / two speakers (3 watt) and subwoofer (8 watt), Dolby Home Theater Speaker System /	Some: 130-watt (GMA graphics) AC adapter Some: 150-watt (ATI graphics) AC adapter RoHS-compliant				
Security	mono microphone or dual array microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm) Power-on password, hard disk password, supervisor password	Limited Warranty ¹²				
Keyboard	Some: Wireless RF 2.4 GHz keyboard with touch pad, 6-row, 84-key, touch-sensitive multimedia keys and shortcut keys Some: USB full-size keyboard with USB hub (two USB ports)	 Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, service Figure 1997 				
Mouse Remote control	Some: Wireless RF 2.4 GHz Laser Wheel Mouse, 800/1600 dpi (user switchable) Some: USB Optical Wheel Mouse Some: MCE remote control (40-button), via IR Some: 4-in-1 remote control, via bluetooth, acts as motion game controller (requires games support), VOIP headset, MCE remote control, and air mouse	8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) ⇒ Service upgrade options (in eligible locations): • 3-year Lenovo Onsite Repair				
Dimensions ³ Weight ² Chassis Stand	(WxHxD): 20.47" x 18.22" x 1.06" to 2.36"; 520mm x 463mm x 27 to 60mm 27.7 lb (12.6 kg) Black color, ABS plastic Tilt stand (15° back, 5° forward)	9x5 Next Business Day (78Y1553) 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686				





Lenovo IdeaCentre A700 with optional 3-in-1 mouse



Lenovo IdeaCentre A700



Lenovo IdeaCentre A700 with optional 3-in-1 mouse



Lenovo IdeaCentre A700



Lenovo IdeaCentre A700



Lenovo IdeaCentre A700

Type-modelProcessor GHz	Max turbo (GHz) Mo	Widescreen emory display		Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	TV tuner	Remote control	AC adapter	Wall mount kit	Win7 preload	Avail date
4024-4CU i7-740QM 1.7	2.80 4 3 2.80 4 3 2.93 4 5 2.93 4	4GB 23" FHD 4GB 23" FHD 4GB 23" FHD 4GB 23" FHD 4GB 23" FHD 4GB 23" FHD 4GB 23" FHD	Multi Multi Multi Multi Multi	HD 5650 Intel HD HD 5470 HD 5650 HD 5650	1TB 320GB 500GB 1TB 1TB	DVD±RW DVD±RW DVD±RW DVD±RW DVD±RW DVD±RW DVD±RW DVD±RW	11b/g/n 11b/g/n 11b/g/n 11b/g/n 11b/g/n	Hybrid Hybrid Hybrid Hybrid ATSC	Remote Remote Remote Remote	150W 150W 150W 150W 150W	Mount kit Mount kit Mount kit Mount kit	Prem 64 Prem 64 Prem 64	Jun 10 Aug 10 Aug 10 Aug 10 Mar 11

- All-In-One design with 23" Full HD 16:9 widescreen, multi-touch support
- Integrated TV tuner
- Lenovo Rescue System provides OneKey recovery without booting into Windows
- JBL stereo speakers
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Processor	Intel® Core™ i3 processor i3-350M, i3-370M, or i3-380M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or Intel Core i5 processor i5-460M or i5-480M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache or Intel Core i7 processor i7-720QM or i7-740QM with quad-core, DMI, integrated DDR3 memory controller (up to 1333MHz), Intel Turbo Boost, Hyper-Threading technology, 6MB cache	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo® Rescue System • Driver and Application Installation • CyberLink YouCam • McAfee® VirusScan® Plus
Memory	4GB std / 8GB max ⁷ / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available	(60 days of virus definitions) Lenovo Dynamic Brightness System Lenovo Eye Distance System
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, not removable, slot-in 320GB , 500GB , or 1TB , SATA 3.0Gb/s, 7200 rpm, 3.5" wide	Cyberlink Power2Go (DVD±RW) Lenovo IdeaTouch (Touch models)
Widescreen display Camera Controls	23" (584.2mm) Full HD (WUXGA 1920x1080) TFT color, VibrantView (glossy), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus, with microphone Touch-sensitive buttons for LED light on/off, volume up/down, brightness up/down, Novo Vision, mode switch (PC / HDMI IN / AV IN), and display on/off	- PowerCinema - Lenovo VeriTouch - AutoCollage Touch • Windows Live Essentials • Microsoft® Office 2007 Trial (60-day) • Microsoft Office 2010 preloaded:
Graphics	Some: Intel HD Graphics in processor, uses main memory; Some: ATI™ Mobility Radeon™ HD 5470, 512MB memory, DirectX® 11; Some: ATI Mobility Radeon HD 5650, 1GB memory, DirectX 11	purchase product key to activate
Chipset Multicard reader Ports	Mobile Intel HM55 Express Chipset 5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, SDHC) Rear: Four USB 2.0, ethernet (RJ-45), TV tuner connector, S/PDIF out, HDMI in/out Side: Two USB 2.0, eSATA, microphone (3.5 mm), headphone (3.5 mm), IEEE 1394 FireWire 400 (4-pin connector)	Some: 120-watt AC adapter Some: 150-watt AC adapter ENERGY® STAR 5.0-compliant RoHS-compliant
PCIe Mini Card 11b/g/n ²⁸ TV tuner Bluetooth™ Modem Ethernet Audio support Security	Two PCI Express Mini Card slots 11b/g/n wireless ⁴ , Mini PCIe adapter, Broadcom® chip or Atheros® chip Some: Hybrid tuner (ATSC / DVB-T), support analog and digital signal, PCIe Mini Card Some: ATSC tuner, support analog and digital signal, PCIe Mini Card Bluetooth 2.1 wireless + EDR None Gigabit ethernet on planar, Intel 82577LC High Definition (HD) Audio, RealTek® ALC272 codec / Dolby® Home Theater™ certified, JBL® stereo speakers (5 watt x 2) Power-on password, administrator password	Limited Warranty¹²
Keyboard Mouse Remote control	Bluetooth full-size keyboard, 6-row, 104-key, black Bluetooth Optical Wheel Mouse, black MCE remote control, via IR	 Service upgrade options (in eligible locations):⁹ 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552)
Dimensions ³ Weight ² Chassis Stand Wall mount	(WxHxD): 22.4" x 16.9" x 2.8"; 568mm x 430mm x 71mm Touch models: 32.6 lb (14.8kg) Black color; ABS plastic Adjustable stand (between 12° and 35°) Some: Wall mount kit, meets VESA 100mm mount standard	3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1553) 24x7 ¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686

See footnotes for important warranty information US model(s) announced June 3 or August 25, 2010 or March 9, 2011 US model(s) withdrawn effective April 2013

© Lenovo

(CTLN1-1) April 2013

Type-modelProcessor		Max turbo (GHz)		Widescreen y display		Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	TV tuner	Remote control		Keyboard Mouse	/ Win7 preload	Avail date
4024-3BU i3-350M 4024-2BU i5-430M 4024-1CU i7-720QM 4024-4JU i7-740QM 4024-6CU i5-480M 4024-6FU i3-380M	2.26 1.60 1.73 2.66	2.80 2.93 2.93	4GB 8GB 8GB 8GB		Multi Multi Multi Multi		640GB 1TB 1TB 1TB	DVD±RW DVD±RW BD player BD player DVD±RW DVD±RW	11b/g/n 11b/g/n 11b/g/n 11b/g/n	Hybrid Hybrid Hybrid ATSC	IR remote 4-in-1 4-in-1 IR remote	150W 150W 150W 150W	BT/BT BT/BT BT/BT BT/BT	Prem 64 Prem 64 Prem 64	Jun 10 Jun 10 Oct 10 May 11

- All-In-One design with 23" Full HD 16:9 widescreen, multi-touch support
- Integrated TV tuner
- Lenovo® Rescue System provides OneKey recovery without booting into Windows
- (Seleted models) 4-in-1 remote control acts as a motion game controller (requires game support), VOIP handset, Media Center remote control, and air mouse

 • JBL® stereo speakers

Processor	Intel® Core™ i3 processor i3-350M or i3-380M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or Intel Core i5 processor i5-430M or i5-480M with dual-core, DMI, integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache or Intel Core i7 processor i7-720QM or i7-740QM with quad-core, DMI, integrated DDR3 memory controller (up to 1333MHz), Intel Turbo Boost, Hyper-Threading technology, 6MB cache	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo® Rescue System • Driver and Application Installation • CyberLink YouCam • McAfee® VirusScan® Plus
Memory	8GB max ⁷ / PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available	(60 days of virus definitions) Lenovo Dynamic Brightness System Lenovo Eye Distance System
SATA DVD±RW SATA Blu-ray™ SATA disk	Some: DVD burner, dual-layer support, fixed, not removable, slot-in Some: Blu-ray disc reader (no Blu-ray media burning), BD-ROM, no HD-DVD playback, DVD recordable, not removable, 12.7mm high, slot-in 500GB, 640GB, or 1TB, SATA 3.0Gb/s, 7200 rpm, 3.5" wide	Cyberlink Power2Go (DVD±RW, BD player) Corel® WinDVD® (BD player) Lenovo IdeaTouch (Touch models)
Widescreen display Camera Controls	23" (584.2mm) Full HD (WUXGA 1920x1080) TFT color, VibrantView (glossy), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus, with microphone Touch-sensitive buttons for LED light on/off, volume up/down, brightness up/down, Novo Vision, mode switch (PC / HDMI IN / AV IN), and display on/off	- PowerCinema - Lenovo VeriTouch - AutoCollage Touch • Windows Live Essential • Microsoft® Office 2007 Trial (60-day)
Graphics	Some: Intel HD Graphics in processor, uses main memory; Some: ATI™ Mobility Radeon™ HD 5470, 512MB memory, DirectX® 11; Some: ATI Mobility Radeon HD 5650, 1GB memory, DirectX 11	
Chipset Multicard reader Ports	Mobile Intel HM55 Express Chipset 5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, SDHC) Rear: Four USB 2.0, ethernet (RJ-45), TV tuner connector, S/PDIF out, HDMI in/out Side: Two USB 2.0, eSATA, microphone (3.5 mm), headphone (3.5 mm), IEEE 1394 FireWire 400 (4-pin connector)	Some: 120-watt AC adapter
PCIe Mini Card 11b/g/n ²⁸ TV tuner	Two PCI Express Mini Card slots 11b/g/n wireless ⁴ , Mini PCIe adapter, Broadcom® chip or Atheros chip Some: Hybrid tuner (ATSC / DVB-T), support analog and digital signal, PCIe Mini Card	Some: 150-watt AC adapter ENERGY® STAR 5.0-compliant RoHS-compliant
Bluetooth™ Modem Ethernet Audio support	Some: ATSC tuner, support analog and digital signal, PCIe Mini Card Bluetooth 2.1 wireless + EDR None Gigabit ethernet on planar, Intel 82577LC High Definition (HD) Audio, RealTek® ALC272 codec / Dolby® Home Theater™ certified, JBL stereo speakers (5 watt x 2) Power-on password, administrator password	Limited Warranty ¹² 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
Keyboard Mouse Remote control	Bluetooth full-size keyboard, 6-row, 104-key, black Bluetooth Optical Wheel Mouse, black Some: MCE remote control, via IR Some: 4-in-1 remote control, via bluetooth, acts as motion game controller (requires game support), VOIP headset, MCE remote control, and air mouse	excluding holidays, next business day response time) Service upgrade options (in eligible locations):9 • 2-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1552)
Dimensions ³ Weight ² Chassis Stand Wall mount	(WxHxD): 22.4" x 16.9" x 2.8"; 568mm x 430mm x 71mm Touch models: 32.6 lb (14.8kg) Black color; ABS plastic Adjustable stand (between 12° and 35°) Wall mount kit, meets VESA 100mm mount standard	 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





Lenovo IdeaCentre B500 Bluetooth keyboard and mouse on some models



Lenovo IdeaCentre B500 AV IN and TV IN on some models



Lenovo IdeaCentre B500



Lenovo IdeaCentre B500



Lenovo IdeaCentre B500



Lenovo IdeaCentre B500

Proc- Type-model essor	GHz Memo	Widescreen ry display	Camera (mega- pixel)		SATA disk	SATA optical	Mini PCle 802.11 wireless	TV tune	Remote control	Keyboard/ Mouse	Win7 preload	Avail date
0887-1FU E5400	2.70 2G	23" WUXGA	0.3M	GT 240M 1G	320GB8	DVD±RW	11b/g/n ²⁸	TV	IR remote	BT/BT	Prem 64	Dec 09
0887-2GU E7500	2.93 4G	23" WUXGA	0.3M	GT 240M 1G	500GB	DVD±RW	11b/g/n	TV	IR remote	BT/BT	Prem 64	Dec 09
0887-2BU E7500 0887-3AU Q8400S				GT 240M 1G GTS 250M 1G	1TB 1TB	DVD±RW BD player			4-in-1 4-in-1	BT/BT BT/BT	Prem 64 Prem 64	

- All-In-One design with 23" Full HD 16:9 widescreen, glossy display
- (Seleted models) Integrated TV tuner
- (Seleted models) 4-in-1 remote control acts as a motion game controller (requires game support), VOIP handset, Media Center remote and air mouse
 JBL® stereo speakers

Processor Implementation	Intel® Pentium® Processor E5400 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo Processor E7500 with dual-core, 1066MHz system bus, and 3MB L2 cache or Intel Core 2 Quad Processor Q8400S with quad-core, 1333MHz system bus, and 4MB L2 cache Processor in LGA775 socket	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications ¹⁴ (only some listed) • Lenovo® Rescue System
Memory	2GB or 4GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; Non-italics: standard memory in one socket; one socket available Italics: standard memory in both sockets; no sockets available	Media Show McAfee® VirusScan® Plus (60 days of virus definitions) Cyberlink Power2Go (DVD±RW, BD player)
SATA DVD±RW SATA Blu-ray™ SATA disk	Some: DVD burner, dual-layer support, fixed, not removable, 12.7mm, tray-in Some: Blu-ray Disc reader (no Blu-ray media burning), BD-ROM, no HD-DVD playback, DVD recordable, not removable, 12.7mm high, tray-in 320GB, 500GB, or 1TB, SATA 3.0Gb/s, 3.5" wide, 7200 rpm	Corel® WinDVD® (BD player)
Widescreen display Camera Controls	23.0" (584.2mm) WUXGA (1920x1080) TFT color, VibrantView (glossy), CCFL backlight, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus, with microphone Touch-sensitive buttons for LED light on/off, volume up/down, brightness up/down, display on/off	
Graphics	Some: NVIDIA® GeForce® GT 240M, PCI Express® x16, 1GB memory; Some: NVIDIA GeForce GTS 250M, PCI Express x16, 1GB memory	
Chipset Multicard reader Ports	Intel G41 Express Chipset; I/O Controller Hub 7 (ICH7) 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 IN and AV IN on some models; Side: Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Mini PCI Express 11b/g/n ²⁸	Two Mini PCI Express slots 11b/g/n wireless ⁴ , Mini PCIe adapter, Broadcom® BCM43225	Available at lenovo.com
TV tuner Bluetooth™	Some: AverMedia® Hybrid tuner, support analog and digital signal, Mini PCle adapter Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH7	RoHS-compliant
Modem Ethernet Audio support Security	None 10/100 ethernet on planar, RealTek® RTL8103EL High Definition (HD) Audio, RealTek ALC662 codec / two JBL® stereo speakers (5 watt) Power-on password, supervisor password	Limited Warranty¹²
Keyboard Mouse Remote control	Bluetooth full-size keyboard, 6-row, 104-key, black Bluetooth Optical Wheel Mouse, black Some: MCE remote control (40-button), via IR Some: 4-in-1 remote control, via bluetooth, acts as motion game controller (requires game support), VOIP headset, MCE remote control, and air mouse 200 watts, universal, auto-sensing	service for selected parts ³ , 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
Dimensions ³ Weight ² Chassis Stand	(WxHxD): 22.05" x 17.20" x 3.44" to 5.22"; 560mm x 437mm x 87.5 to 132.5mm 22.0 lb (10 kg) Front: black color; rear: silver gray color; ABS plastics Adjustable stand (between 8° and 35°)	9x5 Next Business Day (78Y1553) 24x7 ¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686

See footnotes for important warranty information US models announced December 2, 2009 US models withdrawn effective January, 2011

Proc- Type-model essor	Widescreer GHz Memory display	Camera (mega- pixel) Graphics	SATA SATA disk optical	Mini PCle 802.11 TV Remot wireless tuner control		Win7 Avail preload date
0887-1CU E5400 0887-2CU E7500	2.70 4G 23" WUXG. 2.70 4G 23" WUXG. 2.93 4G 23" WUXG. 2.66 4G 23" WUXG.	A 0.3M GT 240M 1G A 0.3M GT 240M 1G	640GB DVD±RW	11b/g/n 11b/g/n TV IR remo	BT/USB	Prem 64 Dec 09 Prem 64 Dec 09 Prem 64 Dec 09 Prem 64 Dec 09

- All-In-One design with 23" Full HD 16:9 widescreen, glossy display
- (Seleted models) Integrated TV tuner
 (Seleted models) 4-in-1 remote control acts as a motion game controller (requires game support), VOIP handset, Media Center remote and air mouse
- JBL® stereo speakers

Processor Implementation	Intel® Pentium® Processor E5400 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo Processor E7500 with dual-core, 1066MHz system bus, and 3MB L2 cache or Intel Core 2 Quad Processor Q8400S with quad-core, 1333MHz system bus, and 4MB L2 cache Processor in LGA775 socket	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications ¹⁴ (only some listed) • Lenovo® Rescue System
Memory	4GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available	Media Show McAfee® VirusScan® Plus (60 days of virus definitions) Cyberlink Power2Go (DVD±RW,
SATA DVD±RW SATA Blu-ray™ SATA disk	Some: DVD burner, dual-layer support, fixed, not removable, 12.7mm, tray-in Some: Blu-ray Disc reader (no Blu-ray media burning), BD-ROM, no HD-DVD playback, DVD recordable, not removable, 12.7mm high, tray-in 500GB, 640GB, or 1TB, SATA 3.0Gb/s, 3.5" wide, 7200 rpm	BD player) Corel® WinDVD® (BD player)
Widescreen display Camera Controls	23.0" (584.2mm) WUXGA (1920x1080) TFT color, VibrantView (glossy), CCFL backlight, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus, with microphone Touch-sensitive buttons for LED light on/off, volume up/down, brightness up/down, display on/off	
Graphics	Some: NVIDIA® GeForce® G210M, PCI Express® x16, 512MB memory; Some: NVIDIA GeForce GT 240M, PCI Express x16, 1GB memory; Some: NVIDIA GeForce GTS 250M, PCI Express x16, 1GB memory	
Chipset Multicard reader Ports	Intel G41 Express Chipset; I/O Controller Hub 7 (ICH7) 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 IN and AV IN on some models; Side: Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Mini PCI Express 11b/g/n ²⁸ TV tuner Bluetooth™	Two Mini PCI Express slots 11b/g/n wireless ⁴ , Mini PCIe adapter, Broadcom® BCM43225 Some: AverMedia® Hybrid tuner, support analog and digital signal, Mini PCIe adapter Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH7	
Modem Ethernet	None 10/100 ethernet on planar, RealTek® RTL8103EL	RoHS-compliant
Audio support	High Definition (HD) Audio, RealTek ALC662 codec /	Limited Warranty ¹²
Security	two JBL® stereo speakers (5 watt) Power-on password, supervisor password	□ 1-year parts and labor □ 1-yea
Keyboard	Some: Bluetooth full-size keyboard, 6-row, 104-key, black	 Customer Replaceable Unit (CRU) parts only (with limited onsite
Mouse	Some: Full-size keyboard (PS/2 connector), Fn keys, black Some: Bluetooth Optical Wheel Mouse, black Some: Optical Wheel Mouse (USB connector), 1000 dpi, black	service for selected parts ³ , 8 am - 5 pm, Mon - Fri coverage
Remote control	Some: MCE remote control (40-button), via IR Some: 4-in-1 remote control, via bluetooth, acts as motion game controller (requires game support), VOIP headset, MCE remote control, and air mouse	excluding holidays, next business day response time) Service upgrade options
Power supply	200 watts, universal, auto-sensing	(in eligible locations): • 3-year Lenovo Onsite Repair
Dimensions ³ Weight ² Chassis	(WxHxD): 22.05" x 17.20" x 3.44" to 5.22"; 560mm x 437mm x 87.5 to 132.5mm 22.0 lb (10 kg) Front: black color; rear: silver gray color; ABS plastics	9x5 Next Business Day (78Y1553 24x7 ¹⁴ toll-free support for warranty issues during the warranty period ¹
Stand	Adjustable stand (between 8° and 35°)	via 877-453-6686

See footnotes for important warranty information US models announced December 2, 2009 US models withdrawn effective January, 2011

Type-model	Proc- essor		Max turbo (GHz)		Widescreen	Camera (mega- pixel)	SATA disk	SATA optical	Mini PCle 802.11 wireless	TV	Remote control	Key- board/ Mouse	Win7 preload	Avail date
7712-1UU i	i5-650 i7-870S	3.20 2.66	3.46 3.60	2Gx3 2Gx3	23" FHD 23" FHD	0.3M 0.3M	1TB 2TB	DVD±RW DVD±RW DVD±RW DVD±RW	11b/g/n 11b/g/n	TV I	R remote R remote	BT/BT BT/BT	Prem 64	Sep 10 Sep 10

- All-In-One design with 23" Full HD 16:9 widescreen, glossy display
- (Seleted models) Integrated TV tuner
 JBL® stereo speakers
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Processor Implementation	Intel® Core™ i3 processor i3-550 with dual-core, Intel 64, Hyper-Threading Technology, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache or Intel Core i5 processor i5-650 with dual-core, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache or Intel Core i7 processor i7-870S with quad-core, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 8MB cache Processor in LGA1156 socket	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo® Rescue System • McAfee® VirusScan® Plus (60 days of virus definitions) • Lenovo Dynamic Brightness System • Lenovo Eye Distance System
Memory	4GB, 6GB, or 8GB std / 16GB max ⁷ / DDR3, non-parity, dual-channel capable, four 204-pin SO-DIMM sockets	Cyberlink Power2Go (DVD±RW)Windows Live Essential
SATA optical SATA disk	DVD burner, dual-layer support, 12.7mm, tray-in 500GB , 1TB , or 2TB , SATA 3.0Gb/s, 3.5" wide, 7200 rpm	CyberLink YouCam Microsoft Office 2010 preloaded; purchase product key to estimate
Widescreen display Camera Controls	23.0" (584.2mm) Full HD (1920x1080 WUXGA) TFT color, VibrantView (glossy), CCFL backlight, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus, with microphone Touch-sensitive buttons for LED light on/off, volume up/down, brightness up/down, display on/off	purchase product key to activate
Graphics	Some: ATI™ Radeon™ HD 5450, PCI Express® x16, 512MB memory; Some: ATI Radeon HD 5570, PCI Express x16, 1GB memory; Some: ATI Mobility Radeon HD 5850, PCI Express x16, 1GB memory	
Chipset Multicard reader Ports	Intel H55 Express Chipset 5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card) Rear: Four USB 2.0, ethernet (RJ-45), keyboard (PS/2), eSATA, TV IN and AV IN on some models; Side: Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm)	RoHS-compliant
PCIe Mini Card 11b/g/n²8 TV tuner Bluetooth™ Modem Ethernet Audio support	Two PCIe Mini Card slots 11b/g/n wireless ⁴ , PCIe Half Mini Card adapter, Broadcom® or Atheros chip Some: Hybrid tuner, support analog and digital signal, PCIe Mini Card adapter Bluetooth 2.1 wireless + EDR None Gigabit ethernet on planar, Intel 82578DC High Definition (HD) Audio, Realtek® ALC662 codec / two JBL® stereo speakers (5 watt) Power-on password, supervisor password	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 Power supply	Bluetooth full-size keyboard, 6-row, black Bluetooth Optical Wheel Mouse, black Some: MCE remote control (40-button), via IR 200 watts, universal, auto-sensing	 Service upgrade options (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): 22.05" x 17.20" x 3.76" to 5.53"; 560mm x 437mm x 95.5 to 140.5mm 22.0 lb (10 kg) Front: black color; rear: silver gray color; ABS plastics Adjustable stand (between 15° and 35°)	9x5 Next Business Day (78Y1553)

See footnotes for important warranty information

US model(s) announced September 8, 2010 or February 16, 2011 US model(s) withdrawn effective April 2013

© Lenovo (HLN1-1) April 2013

ideacentre



Lenovo IdeaCentre Q100



Lenovo IdeaCentre Q100



Lenovo IdeaCentre Q100 (Monitor is not included)



Lenovo IdeaCentre Q100



Lenovo IdeaCentre Q100



Lenovo IdeaCentre Q100

Type-model Processor	GHz	L2 cache	Memory ⁸	SATA disk	SATA optical	Graphics		802.11 wireless	Color	VESA mount bracket	Preload	Avail date
3014-1DU Atom 230 3014-1FU Atom 230						Mirage 3+ Mirage 3+					XP Home XP Home	

- IdeaCentre Q series provide ultimate multimedia experience for home entertainment
 An Ultra-slim and fashionable desktop PC (only 0.5L)
 (Select model) Attaches to the back of selected VESA-compatible monitor for more space saving
 Super power saving, saving up to 90% power compared to traditional desktop
 Ultra quiet with low power platform

- Basic one key system recovery function

Processor	Intel® Atom™ processor 230 with single-core, Hyper-Threading Technology, Intel 64 Technology, Execute Disable Bit, 533MHz system bus, and 512KB L2 cache).8" D X 6.8" H			
Memory	1GB std, 2GB max ⁸ , PC2-5300 667MHz DDR2, non-parity, single-channel capable, one 200-pin SO-DIMM socket; standard memory in socket; no sockets available	153mm W X 20mm D X 172mm H 1.67 lb (0.76kg) including stand No bays, no slots				
Graphics	SiS [®] Mirage [™] 3+ Graphics Engine, integrated graphics in SiS672, uses main memory, one VGA DB-15 connector		Preloaded operating system ²⁰ - Genuine Windows® XP Home Edition			
SATA disk SATA controller SATA DVD±RW Media reader	160GB , SATA 3.0Gb/s, 2.5" wide, 5400 rpm Serial ATA, SATA 3.0Gb/s, integrated in SiS968 None None		Preloaded applications ¹⁴ (only some listed) Recovery wizard Driver and Application Installation			
Chipset	SiS672 Northbridge / SiS968 Southbridge (SATA 3.0Gb/s, ethernet MAC, USB)		Trend Micro™ PC-cillin™ Internet Security 2008			
Front ports Rear ports Audio	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5m Four USB 2.0, ethernet (RJ-45), monitor (VGA DB-15), line-out (stere High Definition (HD) audio, RealTek® ALC662 codec	nm) eo, 3.5mm)	65-watt AC adapter RoHS-compliant			
External speakers Internal speaker Ethernet Wireless Modem Security chip			Limited Warranty¹			
11b/g ²⁸ TV tuner Remote control Camera	None None None		often next business day response time) Service upgrade options (in eligible locations): 3-year Lenovo Onsite Repair 9x5			
Keyboard Mouse Stand Mount bracket	None None Detachable stand (matching color with chassis) Some: Mount bracket (black), meets VESA 75mm and 100mm mou	unt standard	often Next Business Day (78Y1551) ⇒ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686			

See footnotes for important warranty information US models announced December 17, 2009 US models withdrawn effective October, 2010

© Lenovo

(NR1-3) October 2010

Type-model Processor	L2 GHz cache	Media eader	SATA disk	SATA optical	Graphics	TV Remote tuner control	802.11 wireless	Color	Blue- tooth	Preload	Avail date
3014-1CU Atom 230 3014-1BU Atom 230		None None	160GB ² 160GB	None None	Mirage 3+ Mirage 3+	None None None None				XP Home XP Home	

- IdeaCentre Q series provide ultimate multimedia experience for home entertainment
 An Ultra-slim and fashionable desktop PC (only 0.5L)
 Super power saving, saving up to 90% power compared to traditional desktop
 Ultra quiet with low power platform
 Basic one key system recovery function

Processor	Intel® Atom™ processor 230 with single-core, Hyper-Threading Technology, Intel 64 Technology, Execute Disable Bit, 533MHz system bus, and 512KB L2 cache	• Black color • 6.01" W X 0	o (0.5L) 0.8" D X 6.8" H			
Memory	1GB std, 2GB max ⁸ , PC2-5300 667MHz DDR2, non-parity, single-channel capable, one 200-pin SO-DIMM socket; standard memory in socket; no sockets available	153mm W X 20mm D X 172mm H1.67 lb (0.76kg) including standNo bays, no slots				
Graphics	SiS [®] Mirage [™] 3+ Graphics Engine, integrated graphics in SiS672, uses main memory, one VGA DB-15 connector		Preloaded operating system ²⁰ - Genuine Windows® XP Home Edition			
SATA disk SATA controller SATA DVD±RW Media reader	160GB , SATA 3.0Gb/s, 2.5" wide, 5400 rpm Serial ATA, SATA 3.0Gb/s, integrated in SiS968 None None		Preloaded applications ¹⁴ (only some listed) Recovery wizard Driver and Application Installation			
Chipset	SiS672 Northbridge / SiS968 Southbridge (SATA 3.0Gb/s, ethernet MAC, USB)		Trend Micro™ PC-cillin™ Internet Security 2008			
Front ports Rear ports Audio	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5r Four USB 2.0, ethernet (RJ-45), monitor (VGA DB-15), line-out (ster High Definition (HD) audio, RealTek® ALC662 codec	nm) eo, 3.5mm)	65-watt AC adapter RoHS-compliant			
External speakers Internal speaker Ethernet Wireless Modem Security chip			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,			
11b/g ²⁸ TV tuner Remote control Camera	None None None None		often next business day response time) Service upgrade options (in eligible locations):9 3-year Lenovo Onsite Repair 9x5			
Keyboard Mouse Stand Mount bracket	None None Detachable stand (matching color with chassis) None		often Next Business Day (78Y1551) ⇒ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686			

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

© Lenovo

(NR1-1) October 2010

Type-model Processor	L2 GHz cache	Memory ⁸ read		SATA optical	Graphics	TV tuner	Remote control	802.11 wireless	Color	Blue- tooth	Vista preload	Avail date
3016-1BU Atom 230	1.60 512KB	2GB No	ne 250GB ²	None	NVIDIA ION	None	None	None	Black	None	Prem 32	Sep 09

- IdeaCentre Q series provide ultimate multimedia experience for home entertainment
- An Ultra-slim and fashionable desktop PC (only 0.5L)
 Attaches to the back of selected VESA-compatible monitor for more space saving Super powersaving, saving up to 90% power compared to traditional desktop Ultra quiet with low power platform Support 1080p full HD multimedia playback and 3D gaming Basic one key system recovery function

Processor	Intel [®] Atom™ processor 230 with single-core, Hyper-Threading technology, Intel 64 Technology, Execute Disable Bit, 533MHz system bus, and 512KB L2 cache		r 0.8" D X 6.8" H				
Memory	2GB std, 3GB max ⁸ , PC2-5300 667MHz DDR2, non-parity, dual-channel capable, one 200-pin SO-DIMM socket; Italics: standard memory 1GB soldered to systemboard, 1GB in socket; no sockets available						
Graphics	NVIDIA® ION™ graphics processor, DirectX 10, PureVideo® HD technology, Full HD decode (1080i/p) uses main memory, one HDMI connector, HDCP-compliant		Preloaded operating system ²⁰ - Genuine Windows® Vista® Home Premium 32				
SATA disk SATA controller SATA DVD±RW Media reader	250GB , SATA 3.0Gb/s, 2.5" wide, 5400 rpm Serial ATA, SATA 3.0Gb/s, integrated in ION graphics processor None None		Preloaded applications¹⁴ (only some listed) • Recovery wizard • Driver and Application Installation • Trend Micro™ PC-cillin™ Internet				
Chipset	NVIDIA® ION chipset (MCP7A-ION), integrates all features of a mod North and South bridges into a single chip package	dern chipset's	Security 2008 • CyberLink PowerDVD				
Front ports Rear ports Audio	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5n Four USB 2.0, ethernet (RJ-45), monitor (HDMI), line-out (stereo, 3.5 High Definition (HD) audio, RealTek® ALC662 codec		65-watt AC adapter RoHS-compliant				
External speakers Internal speaker Ethernet Wireless Modem Security chip							
11b/g ²⁸ TV tuner Remote control Camera	None None None None	Mon - Fri coverage excluding holidays, often next business day response time) Service upgrade options (in eligible locations): 3-year Lenovo Onsite Repair 9x5					
Keyboard Mouse Stand Mount Bracket	None None Detachable stand (matching color with chassis) Mount bracket (black), meets the VESA 75mm and 100mm mount st	andard	often Next Business Day (78Y1551) ⇒ 24x7 ¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686				

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

© Lenovo

(NR1-2) October 2010

ideacentre



Lenovo IdeaCentre Q150



Lenovo IdeaCentre Q150 (NVIDIA ION models)



Lenovo IdeaCentre Q150 with optional Lenovo Mini Wireless Keyboard N5901 (57Y6336)



Lenovo IdeaCentre Q150 (NVIDIA ION models)



Lenovo IdeaCentre Q150



Lenovo IdeaCentre Q150 with optional mini USB keyboard and mouse

Type-model Processor	GHz	L2 cache	Memory ⁸	SATA disk	SATA optical	Graphics	TV tuner	Remote 802.11 control wireless	Color	Blue- tooth	Keyboard/ Mouse	Win7 preload	Avail date
4081-3AU Atom D410	1.66	512KB	1GBx1	160GB ²	None	GMA 3150	None	None 11b/g/n ²⁸ E	Black	None	USB/USB	XP Home	Jul 10

- IdeaCentre Q series provide ultimate multimedia experience for home entertainment
 An Ultra-slim and fashionable desktop PC (only 0.5L)
 Attaches to the back of selected VESA-compatible monitor for more space saving
 Super powersaving, saving up to 90% power compared to traditional desktop
 Ultra quiet with low power platform
 Lenovo® Rescue System provides OneKey recovery without booting into Windows

Processor	Intel® Atom™ processor D410 with single-core, DMI (Direct Media Interface), integrated DDR2 memory controller (up to 800MHz), integrated graphics controller, Hyper-Threading technology, and 512KB L2 cache	Tiny Desktop (0.5L) • Black color • 6.05" W X 6.8" D X 0.85" H
Memory	1GB std, 2GB max ⁸ , PC2-6400 800MHz DDR2, non-parity, one 200-pin SO-DIMM socket	153.6mm W X 172.7mm D X 21.7mm H 1.76 lb (0.8 kg) including stand No bays, no slots
Graphics	Intel Graphics Media Accelerator 3150 (GMA 3150), in processor, uses main memory, one analog VGA DB-15 connector	Preloaded operating system ²⁰
SATA disk SATA controller SATA DVD±RW Media reader	160GB , SATA 3.0Gb/s, 2.5" wide, 5400 rpm Serial ATA, SATA 3.0Gb/s, integrated in NM10 chipset None None	- Genuine Windows® XP Home Edition Preloaded applications¹⁴ (only some listed)
Chipset	Intel NM10 Express Chipset	Lenovo Rescue System
Front ports Rear ports	Two USB 2.0, S/PDIF-out Two USB 2.0, ethernet (RJ-45), monitor (VGA DB-15) line-in (stereo, 3.5mm), line-out (stereo, 3.5mm)	Driver and Application Installation McAfee® VirusScan® Plus 2009 (60 days of virus definitions)
Audio External speakers Internal speaker	High Definition (HD) audio, RealTek® ALC662 codec	65-watt AC adapter RoHS-compliant
Ethernet Modem Security chip	10/100M ethernet on planar, Intel 82552V None None	Limited Warranty¹
11b/g/n ²⁸ TV tuner Remote control Camera	11b/g/n wireless ⁴ , PCIe Mini Card, RealTek® RTL8191SU None None None	parts only (with limited onsite service for selected parts ³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, often next business day response time)
Keyboard Mouse Stand Mount bracket	Mini Keyboard (USB connector), black Mini Optical Wheel Mouse (USB connector), black Detachable stand (matching color with chassis) Mount bracket (black), meets the VESA 75mm and 100mm mount standard	 ⇒ Service upgrade options (in eligible locations):³ • 3-year Lenovo Onsite Repair 9x5 often Next Business Day (78Y1551) ⇒ 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686

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

© Lenovo (NR2-1) October 2010

IdeaCentre™ Q150 (4081) - GMA (web models) - withdrawn

Personal Systems Reference (PSREF)

Remote 802.11 control wireless Color SATA SATA Keyboard/ Mouse Avail Type-model Processor GHz cache optical tooth preload Memory⁸ disk Graphics tuner date 4081-5AU Atom D410 1.66 512KB 1GBx1 160GB² None GMA 3150 None None 11b/g/n²⁸ Black None USB/USB XP Home Jul 10

- IdeaCentre Q series provide ultimate multimedia experience for home entertainment
- An Ultra-slim and fashionable desktop PC (only 0.5L)
 Attaches to the back of selected VESA-compatible monitor for more space saving
 Super power saving, saving up to 90% power compared to traditional desktop

- Lenovo® Rescue System provides OneKey recovery without booting into Windows

Processor	Intel® Atom™ processor D410 with single-core, DMI (Direct Media Interface), integrated DDR2 memory controller (up to 800MHz), integrated graphics controller, Hyper-Threading technology, and 512KB L2 cache	• 6.05" W X 6.8" D X 0.85" H
Memory	1GB std , 2GB max ⁸ , PC2-6400 800MHz DDR2 , non-parity, one 200-pin SO-DIMM socket	153.6mm W X 172.7mm D X 21.7mm H 1.76 lb (0.8 kg) including stand No bays, no slots
Graphics	Intel Graphics Media Accelerator 3150 (GMA 3150), in processor, uses main memory, one analog VGA DB-15 connector	Preloaded operating system ²⁰
SATA disk SATA controller SATA DVD±RW Media reader	160GB , SATA 3.0Gb/s, 2.5" wide, 5400 rpm Serial ATA, SATA 3.0Gb/s, integrated in NM10 chipset None None	- Genuine Windows® XP Home Edition Preloaded applications¹⁴ (only some listed)
Chipset	Intel NM10 Express Chipset	Lenovo Rescue System
Front ports Rear ports	Two USB 2.0, S/PDIF-out Two USB 2.0, ethernet (RJ-45), monitor (VGA DB-15) line-in (stereo, 3.5mm), line-out (stereo, 3.5mm)	Driver and Application Installation McAfee® VirusScan® Plus 2009 (60 days of virus definitions)
Audio External speakers Internal speaker	High Definition (HD) audio, RealTek® ALC662 codec	65-watt AC adapter RoHS-compliant
Ethernet Modem Security chip	10/100M ethernet on planar, Intel 82552V None None	Limited Warranty¹
11b/g/n ²⁸ TV tuner Remote control Camera	11b/g/n wireless⁴, PCIe Mini Card, RealTek® RTL8191SU None None None	 Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, often next business day response time)
Keyboard Mouse Stand Mount bracket	Mini Keyboard (USB connector), black Mini Optical Wheel Mouse (USB connector), black Detachable stand (matching color with chassis) Mount bracket (black), meets the VESA 75mm and 100mm mount standard	 Service upgrade options (in eligible locations):³ 3-year Lenovo Onsite Repair 9x5 often Next Business Day (78Y1551) 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686

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

© Lenovo (NR2-3) October 2010

IdeaCentre™ Q150 (4081) - GMA (Windows 7) - web only - withdrawn

Personal Systems Reference (PSREF)

Remote 802.11 control wireless Color SATA SATA Keyboard/ Mouse Avail Type-model Processor GHz cache optical tooth preload Memory⁸ disk Graphics tuner date None 2.4GHz 4081-1DU Atom D410 1.66 512KB 1GBx1 250GB² None GMA 3150 None None 11b/g/n²⁸ Black Prem 32 Feb 11

- IdeaCentre Q series provide ultimate multimedia experience for home entertainment
- An Ultra-slim and fashionable desktop PC (only 0.5L)
 Attaches to the back of selected VESA-compatible monitor for more space saving
 Super power saving, saving up to 90% power compared to traditional desktop

- Lenovo® Rescue System provides OneKey recovery without booting into Windows

Processor	Intel® Atom™ processor D410 with single-core, DMI (Direct Media Interface), integrated DDR2 memory controller (up to 800MHz), integrated graphics controller, Hyper-Threading technology, and 512KB L2 cache	• 6.05" W X 6.8" D X 0.85" H
Memory	1GB std, 2GB max ⁸ , PC2-6400 800MHz DDR2, non-parity, one 200-pin SO-DIMM socket	153.6mm W X 172.7mm D X 21.7mm H 1.76 lb (0.8 kg) including stand No bays, no slots
Graphics	Intel Graphics Media Accelerator 3150 (GMA 3150), in processor, uses main memory, one analog VGA DB-15 connector	Preloaded operating system ²⁰
SATA disk SATA controller SATA DVD±RW Media reader	250GB, SATA 3.0Gb/s, 2.5" wide, 5400 rpm Serial ATA, SATA 3.0Gb/s, integrated in NM10 chipset None None	- Genuine Windows® 7 Home Premium 32 Preloaded applications¹⁴ (only some listed)
Chipset	Intel NM10 Express Chipset	Lenovo Rescue System
Front ports Rear ports	Two USB 2.0, S/PDIF-out Two USB 2.0, ethernet (RJ-45), monitor (VGA DB-15) line-in (stereo, 3.5mm), line-out (stereo, 3.5mm)	Driver and Application Installation McAfee® VirusScan® Plus (60 days of virus definitions)
Audio External speakers Internal speaker	High Definition (HD) audio, RealTek® ALC662 codec	65-watt AC adapter RoHS-compliant
Ethernet Modem Security chip	10/100M ethernet on planar, Intel 82552V None None	Limited Warranty¹
11b/g/n ²⁸ TV tuner Remote control Camera	11b/g/n wireless ⁴ , PCIe Mini Card, RealTek® RTL8191SU None None None	parts only (with limited onsite service for selected parts ³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, often next business day response time)
Keyboard Mouse Stand Mount bracket	2.4GHz Wireless Mini Keyboard N5901, palm-sized dimensions, keyboard and mouse (with track ball) combo, via micro-size USB receiver None Detachable stand (matching color with chassis) Mount bracket (black), meets the VESA 75mm and 100mm mount standard	 Service upgrade options (in eligible locations):³ 3-year Lenovo Onsite Repair 9x5 often Next Business Day (78Y1551) 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686

See footnotes for important warranty information US model(s) announced February 16, 2011 US model(s) withdrawn effective April 2013

© Lenovo (NR2-5) April 2013

Type-model Processor	GHz	L2 cache	Memory ⁸	SATA disk	SATA optical	Graphics	TV tuner	Remote 802.11 control wireless	Color		Keyboard/ Mouse	Win7 preload	Avail date
4081-4AU Atom D51	0 1.66	1MB	2GBx1 DDR2	250GB ²	None	NVIDIA ION	None	None 11b/g/n ²⁸	Black	None	2.4GHz	Prem 32	Jul 10
4081-2GU Atom D52	5 1.80	1MB	2GBx1 DDR3	250GB	None	NVIDIA ION	None	None 11b/g/n	Black	None	USB	Prem 64	Apr 11
4081-2HU Atom D52	5 1.80	1MB	2GBx1 DDR3	250GB	None	NVIDIA ION	None	None 11b/g/n	Black	None	2.4GHz	Prem 64	Apr 11

- IdeaCentre Q series provide ultimate multimedia experience for home entertainment
- An Ultra-slim and fashionable desktop PC (only 0.5L)
 Attaches to the back of selected VESA-compatible monitor for more space saving
- Super power saving, saving up to 90% power compared to traditional desktop
- Ultra quiet with low power platform Support 1080p full HD multimedia playback and 3D gaming
- Lenovo® Rescue System provides OneKey recovery without booting into Windows

Processor	Intel® Atom™ processor D510 with dual-core, integrated DDR2 memory controller (up to 800MHz), integrated graphic controller, Hyper-Threading technology, and 1MB L2 cache Intel Atom Processor D525 with dual-core, integrated DDR2/DDR3 memory controller (up to 800MHz), integrated graphic controller, Hyper-Threading Technology, and 1MB L2 cache	Tiny Desktop (0.5L) • Black color • 6.05" W X 6.8" D X 0.85" H • 153.6mm W X 172.7mm D X 21.7mm H • 1.76 lb (0.8 kg) including stand • No bays, no slots
Memory	2GB std, 2GB max ⁸ ; Some: PC2-6400 800MHz DDR2, non-parity, one 200-pin SO-DIMM socket; Some: PC3-6400 800MHz DDR3, non-parity, one 204-pin SO-DIMM socket	Preloaded operating system ²⁰ - Some: Genuine Windows® 7
Graphics	NVIDIA® ION™ graphics processor, DirectX® 10, 512MB memory PureVideo® HD technology, Full HD decode (1080i/p), one analog VGA DB-15 connector, one HDMI connector, HDCP-compliant	Home Premium 32 - Some: Genuine Windows 7 Home Premium 64
SATA disk SATA controller SATA DVD±RW Media reader	250GB, SATA 3.0Gb/s, 2.5" wide, 5400 rpm Serial ATA, SATA 3.0Gb/s, integrated in NM10 chipset None None	Preloaded applications ¹⁴ (only some listed) • Lenovo Rescue System • Driver and Application Installation • McAfee® VirusScan® Plus
Chipset	Intel NM10 Express Chipset	(60 days of virus definitions)
Front ports Rear ports Audio External speakers	Two USB 2.0, S/PDIF-out Two USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, HDMI), line-in (stereo, 3.5mm), line-out (stereo, 3.5mm) High Definition (HD) audio, RealTek® ALC662 codec None	CyberLink PowerDVD (discrete models) 65-watt AC adapter RoHS-compliant
Internal speaker Ethernet Modem Security chip	None 10/100M ethernet on planar, Intel 82552V None None	Limited Warranty¹
11b/g/n ²⁸ TV tuner Remote control Camera	11b/g/n wireless⁴, PCIe Mini Card, RealTek® RTL8191SU None None None	for selected parts ³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, often next business day response time) Service upgrade options
Keyboard Mouse Stand Mount bracket	Some: Mini Keyboard (USB connector), black Some: 2.4GHz Wireless Mini Keyboard N5901, palm-sized dimensions, keyboard and mouse (with track ball) combo, via micro-size USB receiver Some: Mini Optical Wheel Mouse (USB connector), black Detachable stand (matching color with chassis) Mount bracket (black), meets the VESA 75mm and 100mm mount standard	(in eligible locations): • 3-year Lenovo Onsite Repair 9x5 often 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) announced July 28, 2010 or April 7, 2011 US model(s) withdrawn effective April 2013

© Lenovo (NR2-2) April 2013

Type-model Processor GHz cache	Memory ⁸	SATA disk	SATA optical	Graphics	TV tuner	Remote 802.11 control wireless	Color		Keyboard/ Mouse	Win7 preload	Avail date
4081-6AU Atom D510 1.66 1MB	2GBx1	500GB ²	None	NVIDIA ION	None	None 11b/g/n ²⁸	Black	None	USB/USB	Prem 32	Jul 10
4081-1EU Atom D510 1.66 1MB	2GBx1	500GB	None	NVIDIA ION	None	None 11b/g/n	Black	None	2.4GHz	Prem 64	Feb 11
4081-2MU Atom D525 1.80 1MB	2GBx1	500GB	None	NVIDIA ION	None	None 11b/g/n	Black	None	2.4GHz	Prem 64	Nov 11

- IdeaCentre Q series provide ultimate multimedia experience for home entertainment
 An Ultra-slim and fashionable desktop PC (only 0.5L)
 Attaches to the back of selected VESA-compatible monitor for more space saving
 Super power saving, saving up to 90% power compared to traditional desktop
 Ultra quiet with low power platform
 Support 1080p full HD multimedia playback and 3D gaming
 Lenovo® Rescue System provides OneKey recovery without booting into Windows

Processor	Intel® Atom™ processor D510 with dual-core, integrated DDR2 memory controller (up to 800MHz), Hyper-Threading technology, and 1MB L2 cache Intel Atom Processor D525 with dual-core, integrated DDR2/DDR3 memory controller (up to 800MHz), Hyper-Threading Technology, and 1MB L2 cache	Tiny Desktop (0.5L) • Black color • 6.05" W X 6.8" D X 0.85" H • 153.6mm W X 172.7mm D X 21.7mm H • 1.76 lb (0.8 kg) including stand • No bays, no slots
Memory	2GB std , 2GB max ⁸ , PC2-6400 800MHz DDR2 , non-parity, one 200-pin SO-DIMM socket	Preloaded operating system ²⁰
Graphics	NVIDIA® ION™ graphics processor, DirectX® 10, 512MB memory PureVideo® HD technology, Full HD decode (1080i/p), one analog VGA DB-15 connector, one HDMI connector, HDCP-compliant	- Some: Genuine Windows® 7 Home Premium 32 - Some: Genuine Windows 7 Home Premium 64
SATA disk SATA controller SATA DVD±RW Media reader	500GB , SATA 3.0Gb/s, 2.5" wide, 5400 rpm Serial ATA, SATA 3.0Gb/s, integrated in NM10 chipset None None	Preloaded applications ¹⁴ (only some listed) Lenovo Rescue System Driver and Application Installation
Chipset	Intel NM10 Express Chipset	McAfee® VirusScan® Plus
Front ports Rear ports Audio External speakers	Two USB 2.0, S/PDIF-out Two USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, HDMI) line-in (stereo, 3.5mm), line-out (stereo, 3.5mm) High Definition (HD) audio, RealTek® ALC662 codec None	(60 days of virus definitions) • CyberLink PowerDVD (discrete models)
Internal speaker Ethernet Modem	None 10/100M ethernet on planar, Intel 82552V None	65-watt AC adapter RoHS-compliant
Security chip 11b/g/n²8 TV tuner Remote control Camera	None 11b/g/n wireless ⁴ , PCIe Mini Card, RealTek® RTL8191SU None None None	Limited Warranty¹ 1-year parts and labor Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm,
Keyboard Mouse Stand Mount bracket	Some: Mini Keyboard (USB connector), black Some: 2.4GHz Wireless Mini Keyboard N5901, palm-sized dimensions, keyboard and mouse (with track ball) combo, via micro-size USB receiver Some: Mini Optical Wheel Mouse (USB connector), black Detachable stand (matching color with chassis) Mount bracket (black), meets the VESA 75mm and 100mm mount standard	Mon - Fri coverage excluding holidays, often next business day response time) ⇒ Service upgrade options (in eligible locations): • 3-year Lenovo Onsite Repair 9x5 often 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) announced July 28, 2010 or February 16 or November 23, 2011 US model(s) withdrawn effective April 2013

© Lenovo (NR2-4) April 2013

ideacentre



Lenovo IdeaCentre Q700



Lenovo IdeaCentre Q700



Lenovo IdeaCentre Q700



Lenovo IdeaCentre Q700



Lenovo IdeaCentre Q700 (TV IN and AV IN on some models)



Lenovo IdeaCentre Q700 (TV IN and AV IN on some models)

Type-model	Processor	GHz	L2 cache	Cores	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics		Remote control		Color	Blue- tooth	Vista preload	Avail date
3015-1AU	E5200	2.50	2MB	2	4GB	4-in-1	320GB ²	DVD±RW	GMA X450	0			Black	None	Prem 64	Aug 09
3015-1BU	E5200	2.50	2MB	2	4GB	4-in-1	500GB	DVD±RW	GMA X450	0		11b/g	Black	None	Prem 64	Aug 09
3015-1CU	E5200	2.50	2MB	2	4GB	4-in-1	640GB	DVD±RW	GMA X450	O TV	Remote	11b/g	Black	None	Prem 64	Aug 09

- IdeaCentre Q series provide ultimate multimedia experience for home entertainment
 Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows

Processor Implementation	Intel® Pentium® Processor E5200 with dual-core, 800MHz system bus, Intel 64 Technology, Execute Disable Bit, EIST, and 2MB L2 cache Processor in FC-LGA6 package in LGA775 socket	Black color b2.36" W X 7.	orm Factor (3.5L) bezel 87" D X 9.84" H 200mm D X 250mm H
Memory	4GB std, 4GB max ⁸ , PC2-5300 667MHz DDR2, non-parity, dual-channel capable, two 200-pin SO-DIMM sockets <i>Italics:</i> standard memory in two sockets; no sockets available	• 5.69 lb (2.58 Bay ① 3.5",	l kg) 1" high, no access, standard disk
Graphics	Intel Graphics Media Accelerator X4500 (GMA X4500), integrated graphics in G43, uses main memory, one VGA DB-15 connector, one HDMI connector, HDCP-compliant	Slot 1: Mini PO Slot 2: Mini PO	CI Express **
SATA disk SATA controller SATA DVD±RW	320GB , 500GB , or 640GB SATA 3Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in ICH10 Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive, 12.7mm, slot-in	* Wireless ad ** TV tuner in	lapter in slot in some models slot in some models
SATA cables eSATA port EIDE controller Diskette drive Media reader	Two SATA cables (each 1-drop to device), two SATA connectors One external SATA (eSATA) port None None 4-in-1 media reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card)		Security Security slot (in rear for optional Kensington Microsaver cable) Power-on password Administrator password Boot sequence control
Chipset	Intel G43 Express Chipset (PCI Express® x16), I/O Controller Hub (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, USB)	10 [ICH10]	Boot without keyboard, mouse, diskette
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Ethernet Wireless Modem Security chip	Four USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5i IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Four USB 2.0, one eSATA, ethernet (RJ-45), monitor (VGA DB-15, H 3015-1CU: AV IN port, TV IN port Line-in (stereo, 3.5mm), three line-out (stereo, 3.5mm), microphone-3.5mm), SPDIF-out High Definition (HD) audio, RealTek® ALC888s codec None None Gigabit ethernet on planar, Intel 82567V Some: 11b/g wireless4, Broadcom® BCM4312, PCIe x1 adapter None None	IDMI)	
Mini PCI Express 11b/g ²⁸	Two Mini PCI Express slots Some: 11b/g wireless, Broadcom® BCM4312, miniPCle x1 adapter		Available at these retailers Ienovo.com
TV tuner Remote control Camera	Some: Hybrid tuner, support analog (NTSC) and digital (ATSC) s AverMedia Hybrid ATSC PCIe miniCard A317, miniPCIe x 1 Some: Philips® Vista MCE remote control (40/45 button), IR received	adapter	Limited Warranty¹ ⇒ 1-year parts and labor ⇒ Customer Replaceable Unit (CRU)
Keyboard Mouse Power supply	104-key wired keyboard (USB connector) Wired optical wheel mouse (USB connector) 120 watts, AC adapter, auto switch		parts only (with limited onsite service for selected parts ³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, often next business day response time)
Preloaded opera - Genuine Windd Home Premiur Vista Premium	ows® Vista® • Lenovo® OneKey Recovery n 64 • Driver and Application Installation	ecurity 2008	 Service upgrade options (in eligible locations):⁹ 3-year Lenovo Onsite Repair 9x5 Next Business Day (78Y1551) 24x7¹⁴ toll-free support for warranty issues during the warranty period¹ via 877-453-6686

See footnotes for important warranty information US models announced August 11, 2009 US models withdrawn effective August, 2010

Type-model	Processor	GHz	L2 cache	Cores	Memory ⁸	Media reader	SATA disk	SATA optical	Graphics	TV tuner	Remote control		Color	Blue- tooth	Win7 preload	Avail date
3015-1LU	E5200	2.50	2MB	2	4GB				GMA X450						Prem 64	
3015-1JU	E5300	2.60	2MB	2	4GB	4-in-1	500GB	DVD±RW	GMA X450	0 TV	Remote	11b/g	Black	None	Prem 64	Oct 09
3015-1KU	E7500	2.93	3MB	2	4GB	4-in-1	640GB	DVD±RW	GMA X450	0 TV	Remote	11b/g	Black	None	Prem 64	Oct 09

- IdeaCentre Q series provide ultimate multimedia experience for home entertainment
 Lenovo Rescue System provides OneKey recovery without booting into Windows

Processor Implementation	Intel® Pentium® Processor E5200 or E5300 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo Processor E7500 with dual-core 1066MHz system bus, and 3MB L2 cache Processor in FC-LGA6 package in LGA775 socket	Ultra Small Form Factor (3.5L) • Black color bezel • 2.36" W X 7.87" D X 9.84" H • 60mm W X 200mm D X 250mm H • 5.69 lb (2.58 kg)
Memory	4GB std, 4GB max ⁸ , PC2-5300 667MHz DDR2, non-parity, dual-channel capable, two 200-pin SO-DIMM sockets <i>Italics:</i> standard memory in two sockets; no sockets available	Bay ① 3.5", 1" high, no access, standard disk Bay ② 0.5" (12.7mm) high, no access, slot-in opt drive
Graphics	Intel Graphics Media Accelerator X4500 (GMA X4500), integrated graphics in G43, uses main memory, one VGA DB-15 connector, one HDMI connector, HDCP-compliant	Slot 1: Mini PCI Express * Slot 2: Mini PCI Express ** * Wireless adapter in slot in some models
SATA disk SATA controller SATA DVD±RW SATA cables eSATA port EIDE controller Diskette drive Media reader	500GB or 640GB SATA 3Gb/s, 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in ICH10 Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive, 12.7mm, slot-in Two SATA cables (each 1-drop to device), two SATA connectors One external SATA (eSATA) port None None 4-in-1 media reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card)	** TV tuner in slot in some models Security Security Security Security Security Security Security Security Administrator password Boot sequence control Boot without keyboard, mouse, diskette
Chipset	Intel G43 Express Chipset (PCI Express® x16), I/O Controller Hub (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, USB)	, , ,
Front ports Rear ports Rear audio ports Audio External speakers Internal speaker Ethernet Wireless Modem Security chip	None Gigabit ethernet on planar, Intel 82567V Some: 11b/g wireless ⁴ , Broadcom® BCM4312, PCle x1 adapter None None	HDMI),
Mini PCI Express 11b/g ²⁸ TV tuner Remote control Camera Keyboard Mouse Power supply Preloaded opera - Genuine Windo Home Premium	ows® 7 (30 days of virus definitions) n 64 • Media Show	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 often next business day response time Service upgrade options (in eligible locations):³ 3-year Lenovo Onsite Repair
Preloaded appli Lenovo® OneKo Driver and App		9x5 Next Business Day (78Y1551) ⇒ 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 August, 2010

IdeaCentre™ Accessories

Partial list of accessories supported on: IdeaCentre A, B, C, D, K, and Q series desktops

Storage and removable storage Lenovo Portable DVD Burner DB50 (black) Lenovo Portable DVD Burner DB50 (white) 57Y6487 57Y6488

Lenovo Wired Keyboard K4803A (black) 57Y6566

Lenovo Mini Wireless Keyboard N59014⁵² 57Y6599 ann 10/26/10 Lenovo Mini Wireless Keyboard N5901⁵² (blk) 57Y6336 ann 12/08/09 ⁵² Wireless via 2.4GHz technology using a micro-size USB receiver.

Mouse

Lenovo Optical Mouse A6010 (red)	57Y6483		
Lenovo Optical Mouse A6010 (black)	57Y6255		
Lenovo Mini Optical Mouse S10B (white)	55Y9358		
Bluetooth Laser Mice N6901A (glossy black)	57Y6482		
Lenovo Wireless Mouse N30B (black)	55Y9360		
Wireless Mouse N3903A (metal)	57Y6596		
Wireless Mouse N3903A (coffee)	57Y6666	ann	01/25/11
Wireless Mouse N3902A (black)	57Y6574		
Wireless Mouse N3902A (red)	57Y6673	ann	01/25/11

Multimedia Lenovo Headset P550 Lenovo Headset P950 (black) 55Y2065 57Y6605 ann 02/08/11 Lenovo mini speaker M220 Lenovo speaker M0520 (black) 55Y2033 57Y6360 ann 02/08/11 Lenovo speaker M0520 (red) 57Y6361 ann 02/08/11

For more information on accessories: www.lenovo.com/accessories

Purchase Lenovo accessories

www.lenovo.com/support/accessories

Product specifications on Lenovo Support

www.lenovo.com/accessoriesguide Option Compatibility Matrix (OCM) and accessory brochures

www.lenovoquickpick.com

An Options Compatibility Configurator for Lenovo systems

Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

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.
- Wireless capability: Requires compatible wireless-enabled options sold separately.
- Included software may differ from its retail version (if available), and may not include user manuals or all program functionality. License agreements may apply.
- Maximum memory capacity may require the replacement of standard component with largest supported component available. On ThinkPad systems, even though it is possible to physically install 4GB of memory, the actual amount of memory addressable by a 32-bit operating system will be limited to 3GB. This limitation does not exist with 64-bit operating systems.

- Memory: For PCs without a separate video card, memory supports both system and video. Accessible system memory is less than the amount stated, depending on video mode.
- ⁹ Service upgrade options: Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warrantyperiod. Service levels are response time objectives and are not guarantees.
- 10 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.
- 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.
- 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.



This publication was developed for products and services offered in the United States. Lenovo may not offer the products, services or features discussed in this document in other countries. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area.

Lenovo reserves the right to change specifications and other product information at any time without prior notice. Lenovo is not responsible for photographic or typographical errors. LENOVO PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions; therefore this disclaimer may not apply to you.

Trademarks: Lenovo, the Lenovo logo, New World. New Thinking., Access Connections, Rescue and Recovery, Think-Vantage, and ThinkVision are trademarks of Lenovo. Microsoft, Windows, and Vista are registered trademarks of Microsoft Corporation. Intel, the Intel logo, Intel Inside logo, Intel Core and Core Inside are trademarks of Intel Corporation in the US and other countries. AMD, the AMD logo, AMD Athlon, AMD Sempron, and combinations thereof, are trademarks of Advanced Micro Devices. Inc. PCI Express is a trademark of PCI-SIG. Other company, product, or service names may be trademarks or service marks of oth-

Visit www.lenovo.com/safecomputing periodically for the latest information on safe and effective computing.

Visit www.lenovo.com/psref for the latest version of Personal Systems Reference.

© Lenovo, 2013. All rights reserved.

> Lenovo 1009 Think Place Morrisville, NC 27560 U.S.A.

June 2013 icbook.pdf