

Product Specifications Reference Lenovo® ThinkCentre Desktops - withdrawn

May 2014 - Version 454 (Western Europe)



ThinkCentre Edge 72 Small and Tower

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Summary of Changes

This section describes the withdrawn products which are added in this edition and in previous editions.

May 27, 2014 - Version 454

► Withdrawn product(s)

ThinkCentre Edge 72 is withdrawn and added in the book

ThinkCentre Edge 92z is withdrawn and added in the book

ThinkCentre M72e is withdrawn and added in the book

ThinkCentre M78 (1565 / 2111 / 2114) is withdrawn and added in the book

ThinkCentre M82 is withdrawn and added in the book

ThinkCentre M92/p is withdrawn and added in the book







Array Array

Lenovo ThinkCentre M72e Tiny, Small, and Tower

Lenovo ThinkCentre M72e Tiny with Optional Serial Port



Lenovo ThinkCentre M72e Small



Lenovo ThinkCentre M72e Tiny with Lenovo ThinkVision Monitor





Lenovo ThinkCentre M72e Tower



Lenovo ThinkCentre M72e Tiny with External Optical Box

Type-model Processor	Memory ⁸	SATA disk GB rpm	External optical	Graphics			l Chassis intr switch					Win7 preload	Ann date (mm/dd/yy)
4156-A2G G630T 4	4GBx1 1600MHz	500G 5400	None	Intel HD	None	None	None	Stand	Mount	ES52	None	Pro 64	06/05/12

• 1-year limited warranty

Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Pentium® G630T Processor (2 cores / 2 threads, 2.3GHz, 3MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Processor in LGA1155 socket	Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), System automatically clocks down for processors with 1066MHz memory controller	 listed) Rescue and Recovery™ Password Manager
Graphics DP dongle	Intel HD Graphics in processor, uses main memory, HDCP, DirectX [®] 10.1, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution vary by processor (i5 CPU supports max: 2560x2048) None	Preloaded applications (only some listed) ThinkVantage® Product Recovery ThinkVantage System Update
Disk External optical SATA controller Onboard SATA eSATA port	SATA 3.0Gb/s, 2.5" Wide, 5400 rpm None Serial ATA, SATA 3.0Gb/s, integrated in chipset One SATA cable (1-drop to device), one SATA 3.0Gb/s connector on planar None	ThinkVantage Power Manager ThinkVantage Communication Utility View Management Utility Lenovo Solution Center Lenovo Message Center Plus Lenovo Simple Tap
Chipset	Intel H61 Express Chipset	Norton [™] Internet Security (30 days of virus definitions)
Front ports Rear ports PCIe Mini Card PCIe WLAN Bluetooth Audio Speaker Ethernet Intel AMT Modem Security chip Keyboard Mouse Floor Stand VESA mount Power supply Machine	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Three USB 2.0 (external ODD occupies dedicated USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial on selected models) One PCI Express® Mini Card slot None None High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None None Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo System floor stand for vertical orientation Supports VESA 75mm and 100mm mount standard 65 watts AC/DC adapter, autosensing, 87% PSU Business black color; metal case 7.1" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 4.6 lb (2.1 kg) in maximum configuration (not including External Optical Box)	(30 days of virus definitions) • Adobe® Reader® • Skype™ for Windows • Windows Live™ Essentials • Microsoft® Office preloaded; purchase a product key to activate • Corel® Burn.Now™ (DVD±RW) • Corel DVD MovieFactory® (DVD±RW)
		Security Security Security Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating
		ENERGY STAR® 5.2-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant

Type-model Processor	Memory ⁸	SATA disk GB rpm	External optical	Graphics		Optional	Chassis intr switch			ENERGY STAR 5.2		Win7 preload	Ann date (mm/dd/yy)
3261-C7G G630T	4GBv1 1600MHz	320G 7200	DVD+RW	Intal HD	None	LISB	Switch	None	Mount	FS52	None	Pro 64	07/10/12

• 1-year limited warranty

Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Pentium® G630T Processor (2 cores / 2 threads, 2.3GHz, 3MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Processor in LGA1155 socket	Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed)
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), System automatically clocks down for processors with 1066MHz memory controller	■ Rescue and Recovery™ ■ Password Manager
Graphics DP dongle	Intel HD Graphics in processor, uses main memory, HDCP, DirectX [®] 10.1, one VGA, one DisplayPort [™] , supports dual independent display; Maximum resolution vary by processor (i5 CPU supports max: 2560x2048) None	Preloaded applications (only some listed) ThinkVantage® Product Recovery ThinkVantage System Update
Disk External optical SATA controller Onboard SATA eSATA port	SATA 3.0Gb/s, 2.5" Wide, 7200 rpm Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in Serial ATA, SATA 3.0Gb/s, integrated in chipset One SATA cable (1-drop to device), one SATA 3.0Gb/s connector on planar None	ThinkVantage Power Manager ThinkVantage Communication Utility View Management Utility Lenovo Solution Center Lenovo Message Center Plus Lenovo SimpleTap
Chipset	Intel H61 Express Chipset	Norton™ Internet Security (20 days of virus definitions)
Front ports Rear ports PCIe Mini Card PCIe WLAN Bluetooth Audio Speaker Ethernet Intel AMT Modem Security chip Keyboard Mouse Floor Stand VESA mount Power supply Machine	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Three USB 2.0 (external ODD occupies dedicated USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial on selected models) One PCI Express® Mini Card slot None None High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None None None Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo None Supports VESA 75mm and 100mm mount standard 65 watts AC/DC adapter, autosensing, 87% PSU Business black color; metal case 7.1" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 4.6 lb (2.1 kg) in maximum configuration (not including External Optical Box)	 (30 days of virus definitions) Adobe® Reader® Skype™ for Windows Windows Live™ Essentials Microsoft® Office preloaded; purchase a product key to activate Corel® Burn.Now™ (DVD±RW) Corel DVD MovieFactory® (DVD±RW)
		Security Security Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant Cisco EnergyWise compatible
Limited Warranty	1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

Type-model Processor Memory ^e	SATA disk External GB rpm optical Graphics	Display- Port dongle	PCIe Mini Card WLAN / BT	Optional I	Chassis ntrusion switch		ENERGY STAR 5.2		Ann date mm/dd/yy)
	320G 5400 None Intel HD 320G 7200 None Intel HD				-				06/19/12 06/19/12

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program •3-year limited warranty

		I
Positioning Processor	Essential business features, exceptional value Intel® Pentium® G640T Processor (2 cores / 2 threads, 2.4GHz, 3MB cache), integrated Intel HD Graphics,	Preloaded operating system Genuine Windows® 7 Professional 64
Landan and Par	integrated 1066MHz dual-channel DDR3 memory controller	Ready to install applications (only some
Implementation	Processor in LGA1155 socket	listed)
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), System automatically clocks down for processors with 1066MHz DDR3 memory controller	Rescue and Recovery™ Password Manager
Graphics	Intel HD Graphics in processor, uses main memory, HDCP, DirectX® 10.1, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution vary by processor (i5 CPU supports max: 2560x2048)	Preloaded applications (only some listed) ThinkVantage® Product Recovery ThinkVantage System Update
DP dongle	None	 ThinkVantage Power Manager
Disk	SATA 3.0Gb/s, 2.5" Wide	ThinkVantage Communication Utility View Management Utility
External optical	None	Lenovo Solution Center
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset	 Lenovo Message Center Plus
Onboard SATA	One SATA cable (1-drop to device), one SATA 3.0Gb/s connector on planar	Lenovo SimpleTap
eSATA port Chipset	None Intel H61 Express Chipset	Norton™ Internet Security (30 days of virus definitions)
	<u> </u>	● Àdobe® Reader®
Front ports Rear ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Three USB 2.0 (external ODD occupies dedicated USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial on selected models)	 Skype™ for Windows Windows Live™ Essentials Microsoft® Office preloaded; purchase a product key to activate
PCIe Mini Card PCIe WLAN	One PCI Express® Mini Card slot Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230,	Corel® Burn.Now™ (DVD±RW) Corel DVD MovieFactory® (DVD±RW)
Bluetooth Audio	Wi-Fi + Bluetooth combo adapter, 2x2 Some: Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter High Definition (HD) Audio, Realtek® ALC662 codec	
Speaker	Internal speaker for business audio	
Ethernet	Gigabit ethernet port, Realtek RTL8111E, Wake on LAN®	
Intel AMT	None	
Modem Security chip	None None	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	-
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Floor Stand	System floor stand for vertical orientation	
VESA mount	Supports VESA 75mm and 100mm mount standard	
Power supply	65 watts AC/DC adapter, autosensing, 87% PSU	
Machine	 Business black color; metal case 7.1" W X 7.2" D X 1.4" H 	
	• 179mm W X 182mm D X 34.5mm H	
	 4.6 lb (2.1 kg) in maximum configuration (not including External Optical Box) 	
		Security
		Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
		Power-on password
		Administrator password
		Hard disk password Boot sequence control
		 Boot without keyboard and mouse
		Individual USB port disablement Chassis intrusion switch on selected model(s)
		EPEAT™ Gold rating
		ENERGY STAR® 5.2-compliant Cisco EnergyWise compatible
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	GREENGUĂRD® certified
	national holidays. Calls received after 3 pm will require an additional next business day	RoHS-compliant
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies

Type-model	Processor	Memory ⁶	SATA disk GB rpm	External optical	Display- Port dongle	PCIe Mini Card WLAN / BT	Optiona port	Chassis Intrusion switch	Security Cable			ENERGY STAR 5.	Y 2Global Preloa	Ann date d <i>(mm/dd/yy</i>
4004-F7G	G645T	4GBx1	320G 7200	None	None	Intel 2230 + B	T None	Switch	None	None	Mount	ES52	None Win8 P	ro64 10/23/12
4004-F8G	G645T	4GBx1	320G 7200	DVD±RW	None	Intel 2230 + B	T None	Switch	None	None	Mount	ES52	None Win8 P	ro64 10/23/12
4004-F9G	G645T	4GBx1	320G 7200	DVD±RW	None	Intel 2230 + B	T None	Switch	Cable	None	Mount	ES52	None Win7 P	ro64 10/23/12
4004-G1G	G645T	4GBx1	320G 7200	None	None	Intel 2230 + B	T None	Switch	Cable	None	Mount	ES52	None Win7 P	ro64 10/23/12
4004-H8G	G645T	4GBx1	320G 7200	None	None	Intel 2230 + B	T None	Switch	Cable	Stand	None	ES52	None Win7 P	ro64 12/11/12
4004-H9G	G645T	4GBx1	320G 7200	None	None	Intel 2230 + B	T None	Switch	Cable	Stand	None	ES52	None Win8 P	ro64 12/11/12
4004-K5G	G2020T	4GBx1	320G 7200	None	None	Intel 2230 + B	T None	Switch	Cable	None	Mount	ES52	None Win7 P	ro64 03/05/13
4004-K6G	G2020T	4GBx1	320G 7200	None	None	Intel 2230 + B	T None	Switch	Cable	Stand	None	ES52	None Win7 P	ro64 03/05/13
4004-K7G	G2020T	4GBx1	320G 7200	DVD±RW	None	Intel 2230 + B	T None	Switch	Cable	None	Mount	ES52	None Win7 P	ro64 03/05/13
4004-K9G	i3-3220T	4GBx1	500G 7200	None	None	Intel 2230 + B	T None	Switch	Cable	Stand	None	ES52	None Win7 P	ro64 03/05/13
4004-L1G	G2020T	4GBx1	500G 7200	None	None	Intel 2230 + B	T None	Switch	Cable	Stand	None	ES52	None Win7 P	ro64 03/05/13
4004-L3G	i3-3220T	4GBx1	500G 7200	DVD±RW	None	Intel 2230 + B	T None	Switch	Cable	Stand	Mount	ES52	None Win7 P	ro64 03/26/13
4004-LMG	G2030T	4GBx1	320G 7200	DVD±RW	None	Intel 2230 + B	T None	Switch	None	None	Mount	ES52	None Win7 P	ro64 06/11/13
4004-LNG	G2030T	4GBx1	320G 7200	None	None	Intel 2230 + B	T None	Switch	None	Stand	None	ES52	None Win7 P	ro64 06/11/13
4004-LPG	G2030T	4GBx1	320G 7200	None	None	Intel 2230 + B	T None	Switch	None	None	Mount	ES52	None Win7 P	ro64 06/11/13
4004-LQG	G2030T	4GBx1	500G 7200	None	None	Intel 2230 + B	T None	Switch	None	Stand	None	ES52	None Win7 P	ro64 06/11/13
4004-LRG	i3-3240T	4GBx1	500G 7200	None	None	Intel 2230 + B	T None	Switch	None	Stand	None	ES52	None Win7 P	ro64 06/11/13
4004-LSG	i3-3240T	4GBx1	500G 7200	DVD±RW	None	Intel 2230 + B	T None	Switch	None	None	Mount	ES52	None Win7 P	ro64 06/11/13

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program

	•3-year limited warranty	File: Trogram
Positioning Processor	Essential business features, exceptional value Intel® Pentium® G645T Processor (2 cores / 2 threads, 2.5GHz, 3MB cache), integrated Intel HD Graphics, 1066MHz dual-channel DDR3 memory controller Intel Pentium G2020T Processor (2 cores / 2 threads, 2.5GHz, 3MB cache), integrated Intel HD Graphics, 1333MHz dual-channel DDR3 memory controller Intel Pentium G2030T Processor (2 cores / 2 threads, 2.6GHz, 3MB cache), integrated Intel HD Graphics, 1333MHz dual-channel DDR3 memory controller Intel Core™ i3-3220T Processor (2 cores / 4 threads, 2.8GHz, 3MB cache), integrated Intel HD Graphics 2500, 1600MHz dual-channel DDR3 memory controller	Preloaded operating system Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Some: Windows 8 Pro 64-bit Preloaded applications (only some listed) - Windows 7 models • ThinkVantage® Product Recovery
	Intel Core™ i3-3240T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), integrated Intel HD Graphics 2500, 1600MHz dual-channel DDR3 memory controller	 ThinkVantage Power Manager ThinkVantage Communication Utility
Implementation	Processor in LGA1155 socket	 Lenovo® Message Center Plus
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), System automatically clocks down for processors with 1066MHz or 1333MHz DDR3 memory controller	Lenovo SimpleTap Adobe® Reader® Windows Live™ Essentials Corel® Burn.Now™ (DVD±RW)
Graphics	Intel HD Graphics or Intel HD Graphics 2500 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution vary by processor (i5 CPU supports max: 2560x2048)	Corel DVD MovieFactory® (DVD±RW) Windows 8 models
DP dongle	None	Lenovo Support
Disk	SATA 3.0Gb/s, 2.5" Wide	Lenovo Companion Lenovo Cloud Storage
External optical SATA controller Onboard SATA eSATA port	Some: Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in Serial ATA, SATA 3.0Gb/s, integrated in chipset One SATA cable (1-drop to device), one SATA 3.0Gb/s connector on planar None	Norton™ Studio AccuWeather Evernote® Cyberlink Power2Go (DVD±RW)
Chipset	Intel H61 Express Chipset	Cyberlink PowerProducer (DVD±RW)
PCIe Mini Card PCIe WLAN Bluetooth Audio Speaker	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Three USB 2.0 (external ODD occupies dedicated USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial on selected models) One PCI Express® Mini Card slot 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio	- All models ThinkVantage System Update Lenovo Solution Center View Management Utility Norton Internet Security (30 days of virus definitions) Microsoft® Office preloaded; purchase a product key to activate Skype™
Ethernet	Gigabit ethernet port, Realtek RTL8111E, Wake on LAN®	
Intel AMT Modem Security chip	None None None	Security • Security slot (in rear for attachment of optional Kensington® MicroSaver®
Keyboard Mouse Floor Stand VESA mount Power supply Machine	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo Some: System floor stand for vertical orientation Some: Supports VESA 75mm and 100mm mount standard 65 watts AC/DC adapter, autosensing, 87% PSU Business black color; metal case 7.1" W X 7.2" D X 1.4" H	cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s)
Limited Warranty	179mm W X 182mm D X 34.5mm H 4.6 lb (2.1 kg) in maximum configuration (not including External Optical Box) 3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	EPEAT™ Gold rating ENERGY STAR® 5.2-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

Type-model Proces	sor Memory ⁸	SATA disk GB rpm	External optical	Graphics	Display- Port dongle	Optiona	l Chassis intr switch	Floor stand	VESA mount	ENERGY STAR 5.2	, 2 Global	Ann date (mm/dd/yy)
	T 4GBx1 1600MHz T 4GBx1 1600MHz			Intel HD Intel HD	None None	None USB	Switch Switch	Stand None	Mount Mount			 06/05/12 09/11/12

•3-year limited warranty

Intel® Pentlum® (6830T Processor) (2 cores / 2 threads, 2.3GHz, 3MB cache), integrated intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller (1066MHz dual-channel DDR3 memory controller) (1066MHz dual-channel dDR3 memory controlle			
Memory 16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook), System automatically clocks down for processors with 1066MHz memory controller Intel HD Graphics in processor, uses main memory, HDCP, DirectV** 10.1, maximum resolution vary by processor (is CPU supports max: 2560x2048) DP dongle DP dongle DP dongle DP dongle DP dongle DR A3TA 3.06b/s, 2.5* Wide None SATA 3.06b/s, 2.5* Wide None SATA controller Onboard SATA One SATA cottle (1-drop to device), one SATA 3.06b/s connector on planar one SATA port one SATA cable (1-drop to device), one SATA 3.06b/s connector on planar one SATA port one SATA cable (1-drop to device), one SATA 3.06b/s connector on planar one SATA port one SATA cable (1-drop to device), one SATA 3.06b/s connector on planar one SATA port one SATA cable (1-drop to device), one SATA 3.06b/s connector on planar one SATA port one SATA cable (1-drop to device), one SATA 3.06b/s connector on planar one SATA port one SATA cable (1-drop to device), one SATA 3.06b/s connector on planar one SATA port one SATA port one SATA port one SATA cable (1-drop to device), one SATA 3.06b/s connector on planar one SATA port one SATA port one SATA cable (1-drop to device), one SATA 3.06b/s connector one planar one sate of the SATA 3.06b/s (1-drop to device), one SATA 3.06b/s connector one planar one sate of the SATA 3.06b/s (1-drop to device), one SATA 3.06b/s connector one planar one sate of the SATA 3.06b/s (1-drop to device), one SATA 3.06b/s connector one planar one sate of the SATA 3.06b/s (1-drop to device), one SATA 3.06b/s connector one planar one sate of the SATA 3.06b/s (1-drop to device), one SATA 3.06b/s (1-	Processor	Intel® Pentium® G630T Processor (2 cores / 2 threads, 2.3GHz, 3MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Intel Pentium G645T Processor (2 cores / 2 threads, 2.5GHz, 3MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller, Virtualization Technology	Professional 64 Ready to install applications (only some listed) ● Rescue and Recovery™
System automatically clocks down for processors with 1068MHz memory controller Intel HD Graphics Intel HD Graphics Intel HD Graphics None Standard System Standa			-
one VGA, one DisplayPort™, supports dual independent display; Maximum resolution vary by processor (i5 CPU supports max: 2560x2048) None Disk SATA 3.00b/s, 2.5" Wide None SATA controller One SATA 3.00b/s, 2.5" Wide SATA controller SATA controller SATA controller One SATA cable (1-drop to device), one SATA 3.0Gb/s connector on planar None Intel H61 Express Chipset Front ports Rear ports Three USB 2.0 (setrenal ODD occupies dedicated USB 2.0 port on some models), ethernet (R,1-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 f serial on selected models) One PCIe Mini Card PCIe Mini Card None PCIe Mini Card None High Definition (HD) Audio, Realtek® ALC662 codec Speaker Internal speaker for business audio Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None None None Keyboard Modem None Security pin Machine ■ Business black color; metal case -7.1" W X 7.2" D X 1.4" H • 179mm W X 182mm D X 34.5mm H • 4.6 lb (2.1 kg) in maximum configuration (not including External Optical Box) Security • Security slot (in rear for atta opticable without should be applicable of the provinciable) Power-on password • Administrator password • Administrator password • Rear ports • Rear ports None Speaker Intel H61 Express Chipset Three USB 2.0 (setrenal ODD occupies dedicated USB 2.0 port on some models), one optional port (USB 2.0 / serial on selected models) None None None None Speaker Internal speaker for business audio Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None None Supports VESA 75mm and 100mm mount standard 65 watts AC/DC adapter, autosensing, 87% PSU ■ Business black color; metal case -7.1" W X 7.2" D X 1.4" H • 179mm W X 182mm D X 34.5mm H • 4.6 lb (2.1 kg) in maximum configuration (not including External Optical Box) Security • Power-on password • Administrator password • Radisk password • Radis	Memory	System automatically clocks down for processors with 1066MHz memory controller	Preloaded applications (only some listed) ThinkVantage® Product Recovery
External optical SATA controller Onboard SATA Once Chipset Intel H61 Express Chipset Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Three USB 2.0 (external ODD occupies dedicated USB 2.0 port on some models), ethernet (RJ-45), V6A DB-15, DisplayPort connector, one optional port (USB 2.0) serial on selected models) One PCIE WILAN Bluetooth Audio Speaker Ethernet Intel AMT Mone Modem Mouse Floor Stand VESA mount Power supply ■ Ennovo Message Center PI Lenovo Simple Tap ■ Norton™ Internet Security (30 days of virus definitions) • Adobe* Reader* Vindows Live™ Essentials ■ Windows Live™ Essentials ■ Corell Burn.Now Windows ■ Windows Live™ Essentials ■ None	·	one VGA, one DisplayPort™, supports dual independent display; Maximum resolution vary by processor (i5 CPU supports max: 2560x2048)	
Tivo USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Three USB 2.0 (external ODD occupies dedicated USB 2.0 port on some models), ethernet (RJ-45), DisplayPort connector, one optional port (USB 2.0 / serial on selected models) One PCIe Mini Card PCIe WLAN Bluetooth Audio Speaker Ethernet Ithejh Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio Ethernet Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None None Keyboard Mouse Floor Stand VESA mount Power supply Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo Enhanced Optical USB Mouse, black, Lenovo logo Some: System floor stand for vertical orientation VESA mount Power supply Pesiness black color; metal case 7,1" W X 7,2" D X 1,4" H 179mm W X 182mm D X 34.5mm H 4.6 lb (2.1 kg) in maximum configuration (not including External Optical Box) Security Security Security Security Security Security Security Power-on password Administrator password Hard disk password Hard disk password Administrator password Hard disk password Hard disk password Hard disk password Hard disk password Chassis intrusion switch on model(s) EPEAT™ Gold rating	External optical SATA controller Onboard SATA	None Serial ATA, SATA 3.0Gb/s, integrated in chipset One SATA cable (1-drop to device), one SATA 3.0Gb/s connector on planar	 Lenovo Message Center Plus Lenovo SimpleTap Norton™ Internet Security (30 days of virus definitions) Adobe® Reader®
Front ports Rear ports Rear ports Front USB 2.0 (external ODD occupies dedicated USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial on selected models) PCIe Mini Card PCIe WLAN Bluetooth Audio Speaker Ethernet Intel AMT Mone Modem None Security chip None Security chip None Security chip None Security chip Machine ■ Business black color; metal case ● 7.1" W X 7.2" D X 1.4" H ● 179mm W X 182mm D X 34.5mm H ● 4.6 lb (2.1 kg) in maximum configuration (not including External Optical Box) ■ Microsoff® Office preloaded purchase a product key to a content of some models), ethernet one optional port (USB 2.0 port on some models), one optional port (USB 2.0 port on some models), one optional port (USB 2.0 port on some models), one optional port (USB 2.0 port on some models), one optional port (USB 2.0 port on some models), one optional port (USB 2.0 port on some models), one optional port (USB 2.0 port on some models), one optional port (USB 2.0 port on some models), one optional port (USB 2.0 port on some models), one optional port (USB 2.0 port on some models), one optional port (USB 2.0 port on some models), one optional port (USB 2.0 port on some models), one optional port (USB 2.0 port on some models), one optional port (USB 2.0 port on some models), one optional port (USB 2.0 port on some models), one optional port one port on some models), one optional port one port on some models), one optional port on some models, one optional port on some models, one optional port on some models, one optional port one port on some models, one optional port one port one port on port one port on port one po	Chipset	Intel H61 Express Chipset	Skype™ for Windows Windows Live™ Essentials
PCIe WLAN Bluetooth Audio Bluetooth Audio Speaker Ethernet Intel AMT Mone Modem Security chip Keyboard Mouse Floor Stand VESA mount Power supply Machine Business black color; metal case • 7.1" W X 7.2" D X 1.4" H • 179mm W X 182mm D X 34.5mm H • 4.6 lb (2.1 kg) in maximum configuration (not including External Optical Box) Security Security Administrator password Hard disk password Hard disk password Hard disk password Boot sequence control Boot without keyboard and Individual USB port disable Chassis intrusion switch on model(s) EPEAT*** Gold rating	Rear ports	Three USB 2.0 (external ODD occupies dedicated USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial on selected models)	 • Windows Live → Essentials • Microsoft® Office preloaded; purchase a product key to activate • Corel® Burn.Now™ (DVD±RW) • Corel DVD MovieFactory® (DVD±RW)
Reyboard Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Mouse Enhanced Optical USB Mouse, black, Lenovo logo Some: System floor stand for vertical orientation VESA mount Supports VESA 75mm and 100mm mount standard Fower supply 65 watts AC/DC adapter, autosensing, 87% PSU Machine Business black color; metal case 7.1" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 4.6 lb (2.1 kg) in maximum configuration (not including External Optical Box) Security Security Security Security Power-on password Administrator password Hard disk password Hard disk password Boot sequence control Boot without keyboard and a lindividual USB port disable or Chassis intrusion switch on model(s) EPEAT™ Gold rating	Bluetooth Audio Speaker Ethernet Intel AMT Modem	None High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None None	
• 7.1" W X 7.2" D X 1.4" H • 179mm W X 182mm D X 34.5mm H • 4.6 lb (2.1 kg) in maximum configuration (not including External Optical Box) Security • Security slot (in rear for atta optional Kensington® Microscable) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard and • Individual USB port disables • Chassis intrusion switch on model(s) EPEAT™ Gold rating	Keyboard Mouse Floor Stand VESA mount Power supply	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo Some: System floor stand for vertical orientation Supports VESA 75mm and 100mm mount standard 65 watts AC/DC adapter, autosensing, 87% PSU	
Security slot (in rear for atta optional Kensington® Microscable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and Individual USB port disabler Chassis intrusion switch on model(s) EPEAT™ Gold rating	Machine		Consuits
ENERCY STAR® F. 2. compliant			Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s)
Limited Warranty 3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant	Limited Warranty	national holidays. Calls received after 3 pm will require an additional next business day	Cisco EnergyWise compatible GREENGUARD® certified

Type-model Processor	SATA disk Memory ⁸ GB rpm	External optical	Graphics	Display- Port dongle	Optional port	Chassis intr switch	Floor stand	VESA mount	ENERGY STAR 5.2		Win7 preload (Ann date (mm/dd/yy)
3264-S8G i3-3220T	4GBx1 320G 7200	DVD+RW	HD 2500	None	USB	Switch	None	Mount	FS52	None	Pro 64	09/11/12

•3-year limited warranty

Positioning Processor Implementation Memory Graphics DP dongle Disk External optical SATA controller Onboard SATA eSATA port Chipset Front ports Rear ports PCIe Mini Card	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i3-3220T Processor (2 cores / 4 threads, 2.8GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Processor in LGA1155 socket 16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook) Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution vary by processor (i5 CPU supports max: 2560x2048) None SATA 3.0Gb/s, 2.5™ Wide Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in Serial ATA, SATA 3.0Gb/s, integrated in chipset One SATA cable (1-drop to device), one SATA 3.0Gb/s connector on planar None Intel H61 Express Chipset Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Three USB 2.0 (external ODD occupies dedicated USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial on selected models) One PCI Express® Mini Card slot	Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) ■ Rescue and Recovery™ ■ Password Manager Preloaded applications (only some listed) ■ ThinkVantage® Product Recovery ■ ThinkVantage System Update ■ ThinkVantage Communication Utility ■ View Management Utility ■ Lenovo Solution Center ■ Lenovo Message Center Plus ■ Lenovo SimpleTap ■ Norton™ Internet Security (30 days of virus definitions) ■ Adobe® Reader® ■ Skype™ for Windows ■ Windows Live™ Essentials ■ Microsoft® Office preloaded;
PCIe WLAN Bluetooth Audio Speaker Ethernet Intel AMT Modem Security chip	None None High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None None None	• Microsort® Office preloaded; purchase a product key to activate • Corel® Burn.Now™ (DVD±RW) • Corel DVD MovieFactory® (DVD±RW)
Keyboard Mouse Floor Stand VESA mount Power supply Machine	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo None Supports VESA 75mm and 100mm mount standard 65 watts AC/DC adapter, autosensing, 87% PSU Business black color; metal case 7.1" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H	-
Limited Warranty	• 4.6 lb (2.1 kg) in maximum configuration (not including External Optical Box)	Security Security Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant Cisco EnergyWise compatible GREENGUARD® certified
Limited Warranty	3-years , limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	RoHS-compliant Supports ThinkVantage Technologies

Type-model	Processor	Memory ⁸	SATA disk GB rpm	External optical	Graphics	Display- Port dongle	Optional port	Floor stand	VESA mount		Global (G) GMP (P)		Ann date (mm/dd/yy)
3267-A1G	i5-3470T	4GBx1 1600MHz	320G 5400	DVD±RW	HD 2500	None	None	None	Mount	ES52	GР	Pro 64	06/05/12

Positioning Processor Implementation Memory Graphics	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i5-3470T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket 16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook) Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution vary by processor (i5 CPU supports max: 2560x2048) None	Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) ■ Rescue and Recovery™ ■ Password Manager Preloaded applications (only some listed) ■ ThinkVantage® Product Recovery
Disk External optical SATA controller Onboard SATA eSATA port Chipset Front ports Rear ports PCIe Mini Card PCIe WLAN Bluetooth Audio Speaker Ethernet Intel AMT Modem Security chip Keyboard Mouse Floor Stand VESA mount Power supply Machine	SATA 3.0Gb/s, 2.5" Wide, 5400 rpm Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in Serial ATA, SATA 3.0Gb/s, integrated in chipset One SATA cable (1-drop to device), one SATA 3.0Gb/s connector on planar None Intel H61 Express Chipset Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Three USB 2.0 (external ODD occupies dedicated USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial on selected models) One PCI Express® Mini Card slot None None High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None None None Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo None Supports VESA 75mm and 100mm mount standard 65 watts AC/DC adapter, autosensing, 87% PSU Business black color; metal case 7.1" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 4.6 lb (2.1 kg) in maximum configuration (not including External Optical Box)	 ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Communication Utility View Management Utility Lenovo Solution Center Lenovo Message Center Plus Lenovo SimpleTap Norton™ Internet Security (30 days of virus definitions) Adobe® Reader® Skype™ for Windows Windows Live™ Essentials Microsoft® Office preloaded; purchase a product key to activate Corel® Burn.Now™ (DVD±RW) Corel DVD MovieFactory® (DVD±RW)
		Security Security Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement EPEAT™ Gold rating ENERGY STAR® 5.2-compliant
Limited Warranty	3-years , limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

Type-model F	Processor	Memory ⁸	SATA disk GB rpm	External optical	Graphics	Display- Port dongle	PCIe Mini Card WLAN / BT	Optional port	Floor stand	VESA mount		Global (G) GMP (P)	Win7 preload	Ann date (mm/dd/yy)
3267-A2G	G460	2GBx1	8G SSD	None	Intel HD	None	None	Serial	None	None	ES52	GΡ	Emb 32	07/10/12
3267-A5G	G465	2GBx1	8G SSD	None	Intel HD	None	None	Serial	None	None	ES52	GΡ	Emb 32	01/08/13
3267-A6G	G465	2GBx1	8G SSD	None	Intel HD	None	Intel 105	Serial	None	None	ES52	GΡ	Emb 32	03/12/13
3267-A7G	G470	2GBx1	8G SSD	None	Intel HD	None	Intel 105	Serial	None	None	ES52	GΡ	Emb 32	07/09/13
3267-A8G	G470	2GBx1	8G SSD	None	Intel HD	None	None	Serial	None	None	ES52	GΡ	Emb 32	07/09/13

Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Celeron® G460 Processor (1 core / 2 threads, 1.8GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Intel Celeron G465 Processor (1 core / 2 threads, 1.9GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Intel Celeron G470 Processor (1 core / 2 threads, 2.0GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller Processor in LGA1155 socket	Preloaded operating system Genuine Windows® 7 Embedded 32 Preloaded applications (only some listed) • Adobe® Reader® • Adobe Flash® Player • Citrix® Receiver • IIS Web Server • Microsoft® Management Console • Microsoft Silverlight
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), System automatically clocks down for processors with 1066MHz DDR3 memory controller	Remote Desktop Protocol ThinPrint .print Client TightVNC Viewer VMware® View Client
Graphics	Intel HD Graphics in processor, uses main memory, HDCP, DirectX® 10.1, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (VGA)@60Hz	vWware view Client vWorkspace Windows Media Player
DP dongle	None	_
Disk External optical SATA controller Onboard SATA eSATA port	Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide None Serial ATA, SATA 3.0Gb/s, integrated in chipset One SATA cable (1-drop to device), one SATA 3.0Gb/s connector on planar None	
Chipset	Intel H61 Express Chipset	
Front ports Rear ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Three USB 2.0 (external ODD occupies dedicated USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial on selected models)	
PCIe Mini Card PCIe WLAN ⁴ Bluetooth Audio Speaker Ethernet Intel AMT Modem Security chip	One PCI Express® Mini Card slot Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 None High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None None None None	
Keyboard Mouse Floor Stand VESA mount Power supply	None None None None Some None None 65 watts AC/DC adapter, autosensing, 87% PSU	
Machine	Business black color; metal case 7.1" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 4.6 lb (2.1 kg) in maximum configuration (not including External Optical Box)	Security Security slot (in rear for attachment of
		optional Kensington® MicroSaver® cable) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard and mouse • Individual USB port disablement EPEAT™ Gold rating ENERGY STAR® 5.2-compliant
Limited Warranty	3-years , limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

Type-model	Processor	Memory ⁸	SATA disk GB rpm	External optical	Graphics		Optional	Floor stand	VESA mount	ENERGY STAR 5.2	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
		4GBx1 1600MHz						None	Mount		GΡ	Win8 Pro64	
3267-A4G	i5-3470T	4GBx1 1600MHz	320G 5400	DVD±RW	HD 2500	None	None	None	Mount	ES52	GΡ	Win7 Pro64	10/23/12

Positioning Processor Implementation Memory Graphics DP dongle Disk External optical	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i5-3470T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket 16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook) Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution vary by processor (i5 CPU supports max: 2560x2048) None SATA 3.0Gb/s, 2.5™ Wide, 5400 rpm Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in	Preloaded operating system Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Some: Windows 8 Pro 64-bit Preloaded applications (only some listed) - Windows 7 models • ThinkVantage® Product Recovery • ThinkVantage Power Manager • ThinkVantage Communication Utility • Lenovo® Message Center Plus • Lenovo SimpleTap
SATA controller Onboard SATA eSATA port Chipset	Serial ATA, SATA 3.0Gb/s, integrated in chipset One SATA cable (1-drop to device), one SATA 3.0Gb/s connector on planar None Intel H61 Express Chipset	Adobe® Reader® Windows Live™ Essentials Corel® Burn.Now™ (DVD±RW) Corel DVD MovieFactory® (DVD±RW) Windows 8 models
PCIe Mini Card PCIe WLAN Bluetooth Audio Speaker Ethernet Intel AMT Modem Security chip Keyboard Mouse Floor Stand VESA mount Power supply Machine	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Three USB 2.0 (external ODD occupies dedicated USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial on selected models) One PCI Express® Mini Card slot None None High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None None None Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo None Supports VESA 75mm and 100mm mount standard 65 watts AC/DC adapter, autosensing, 87% PSU Business black color; metal case 7.1" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 4.6 lb (2.1 kg) in maximum configuration (not including External Optical Box)	Lenovo Support Lenovo Companion Lenovo Cloud Storage Norton™ Studio AccuWeather Evernote® Cyberlink PowerPoducer (DVD±RW) Cyberlink PowerProducer (DVD±RW) All models ThinkVantage System Update Lenovo Solution Center View Management Utility Norton Internet Security (30 days of virus definitions) Microsoft® Office preloaded; purchase a product key to activate Skype™
		Security Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement
Limited Warranty	3-years , limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	EPEAT™ Gold rating ENERGY STAR® 5.2-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

ThinkCentre M72e Small (0900) - TopSeller

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	SATA optical	Graphics		Chassis intr switch		ENERGY STAR 5.2	Global	Win7 preload	Ann date (mm/dd/yy)
0900-A5G	3x3	G850	2GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	Media	Switch	None	None	None	Pro 64	07/10/12
0900-A6G	3x3	i3-2120	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2000	Media	Switch	None	None	None	Pro 64	07/10/12

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program •1-year limited warranty

Positioning	Essential business features, exceptional value	Preloaded operating system
Processor	Intel® Pentium® G850 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache),	
	integrated Intel HD Graphics,	Genuine Windows® 7 Professional 64
	integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology	
	Intel Core™ i3-2120 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache),	Ready to install applications (only some listed)
	integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology	
Implementation	Processor in LGA1155 socket	 Rescue and Recovery[™] Password Manager
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3, two 240-pin DIMM sockets;	Preloaded applications (only some listed)
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	System automatically clocks down for processors with	ThinkVantage® Product Recovery
	1333MHz DDR3 memory controller	ThinkVantage System Update
Graphics	Intel HD Graphics or Intel HD Graphics 2000 in processor, uses main memory,	ThinkVantage Power Manager
	HDCP, DirectX® 10.1, one VGA, one DVI-D, supports dual independent display; Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz	ThinkVantage Communication Utility
Disk	SATA 3.0Gb/s 7200 rpm	View Management Utility Lenovo Solution Center
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	Lenovo Message Center Plus
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset	Lenovo SimpleTap
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar	Norton™ Internet Security
eSATA port	None	(30 days of virus definitions)
Media reader	9-in-1 media reader, internal USB 2.0	 Adobe® Reader® Skype™ for Windows
Chipset	Intel H61 Express Chipset	 Windows Live™ Essentials
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Microsoft® Office preloaded; purchase a product key to activate
Rear ports	Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45),	Corel® Burn.Now™ (DVD±RW)
	VGA DB-15, DVI-D	Corel DVD MovieFactory® (DVD±RW)
	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	
	Two USB 2.0 planar conn (1 used; one open for additional USB devices)	
Audio PCIe WLAN ⁴	High Definition (HD) Audio, Realtek® ALC662 codec None	
Bluetooth	None	
Speaker	Internal speaker for business audio	
IEEE 1394	None	
Ethernet	Gigabit ethernet port, Realtek RTL8111E, Wake on LAN®	
Intel AMT	None	
Modem	None	
Security chip	None	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Floor Stand	None	
Power supply	240 watts, autosensing, active Power Factor Correction	_
Machine	Business black color; metal case	
	◆ 13.2" W X 15.0" D X 3.9" H ◆ 335mm W X 382mm D X 101mm H	
	• 14.6 lb (6.6 kg) in maximum configuration	Security
	Highlighted optical drive button for easy access	One lock to secure both cover and
Bay	Bay 1: 5.25", 1.6" high, access, std optical	entire system to fixed object:
	Bay 2: 3.5", 1" high, no access, std disk	-Padlock loop (in rear for opt padlock) -Security slot (in rear for optional
	Bay 3: 1.5", .35" high, access, opt reader* *bay only available on models with madia reader installed	Kensington® MicroSaver® cable)
Slot	*bay only available on models with media reader installed Slot 1: Low Profile, PCI Express® 2.0 x16 (40w max)	 Power-on password
Olot	Slot 2: Low Profile, PCIe 2.0 x1	Administrator password
	Slot 3: Low Profile, PCIe 2.0 x1	Hard disk password
	disk optical	Boot sequence control Boot without keyboard and mouse
		Serial port I/O control
		 Individual USB port disablement
		Chassis intrusion switch on selected
		model(s)
Limited Warranty	1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	Cisco EnergyWise compatible RoHS-compliant
	national holidays. Calls received after 3 pm will require an additional next business day	
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies

Type-mod		Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	SATA optical	Graphics	Media reader	Chassis intr switch	Floor	ENERGY STAR 5.2	Global	Preload	Ann date (mm/dd/yy)
0900-A7	7G	3x3	G870	4GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	Media	Switch	None	None	None	Win8 Pro64	10/23/12
0900-A8	3G	3x3	i3-3220	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	Media	Switch	None	None	None	Win8 Pro64	10/23/12
0900-B3	3G	3x3	G870	4GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	Media	Switch	None	None	None	Win7 Pro64	10/23/12
0900-B4	1G	3x3	i3-3220	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	Media	Switch	None	None	None	Win7 Pro64	10/23/12

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 1-year limited warranty

Destilentes.	Essential bearings of the transport of the second of the s	Due le colonida de consensión de constante
Positioning Processor	Essential business features, exceptional value Intel® Pentium® G870 Processor (2 cores / 2 threads, 3.1GHz, 3MB cache),	Preloaded operating system
FIOCESSOI	integrated Intel HD Graphics.	Some: Windows® 7 Professional 64
	integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology	preinstalled through downgrade rights in Windows 8 Pro 64-bit
	Intel Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache),	Some: Windows 8 Pro 64-bit
	integrated Intel HD Graphics 2500,	Preloaded applications (only some listed)
Implementation	integrated 1600MHz dual-channel DDR3 memory controller Processor in LGA1155 socket	- Windows 7 models
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3, two 240-pin DIMM sockets;	ThinkVantage® Product Recovery
Wichioly	System automatically clocks down for processors with	ThinkVantage Power Manager
	1333MHz DDR3 memory controller	ThinkVantage Communication Utility
Graphics	Intel HD Graphics or Intel HD Graphics 2500 in processor, uses main memory,	Lenovo® Message Center Plus Lenovo SimpleTap
	one VGA, one DVI-D, supports dual independent display;	Adobe® Reader®
B: 1	Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz	 Windows Live™ Essentials
Disk	SATA 3.0Gb/s 7200 rpm	Corel® Burn.Now™ (DVD±RW)
Optical SATA controller	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s, integrated in chipset	 Corel DVD MovieFactory® (DVD±RW)
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar	- Windows 8 models
eSATA port	None	Lenovo Support
Media reader	9-in-1 media reader, internal USB 2.0	Lenovo Companion
Chipset	Intel H61 Express Chipset	 Lenovo Cloud Storage Norton™ Studio
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	AccuWeather
Rear ports	Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45),	Evernote®
riear ports	VGA DB-15. DVI-D	Cyberlink Power2Go (DVD±RW)
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	 Cyberlink PowerProducer (DVD±RW)
	Two USB 2.0 planar conn (1 used; one open for additional USB devices)	- All models
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	ThinkVantage System Update
PCIe WLAN ⁴	None	Lenovo Solution Center
Bluetooth	None	View Management UtilityNorton Internet Security
Speaker	Internal speaker for business audio	(30 days of virus definitions)
IEEE 1394	None Circhit othernet part Pooltek PTI 91115 Wake on LAN®	Microsoft® Office preloaded;
Ethernet Intel AMT	Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None	purchase a product key to activate
Modem	None	 Skype™
Security chip	None	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	-
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Floor Stand	None	
Power supply	240 watts, autosensing, active Power Factor Correction	
Machine	Business black color; metal case	
	• 13.2" W X 15.0" D X 3.9" H	
	 335mm W X 382mm D X 101mm H 14.6 lb (6.6 kg) in maximum configuration 	Security
	Highlighted optical drive button for easy access	One lock to secure both cover and
Bay	Bay 1: 5.25". 1.6" high, access, std optical	entire system to fixed object:
•	Bay 2: 3.5", 1" high, no access, std disk	-Padlock loop (in rear for opt padlock)
	Bay 3: 1.5", .35" high, access, opt reader*	-Security slot (in rear for optional Kensington® MicroSaver® cable)
Slot	*bay only available on models with media reader installed Slot 1: Low Profile, PCI Express® 2.0 x16 (40w max)	Power-on password
SIUL	Slot 2: Low Profile, PCI Express 2.0 x16 (40w max)	Administrator password
	Slot 3: Low Profile, PCle 2.0 x1	 Hard disk password
	disk optical	Boot sequence control Boot without keyboard and mouse
		Serial port I/O control
		Individual USB port disablement
		Chassis intrusion switch on selected
		model(s)
Limited Warranty	1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	Cisco EnergyWise compatible RoHS-compliant
	national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	Supports ThinkVantage Technologies
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ThinkCentre M72e Small (0967) - TopSeller

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	SATA optical	Graphics	Chassis intr switch		ENERGY STAR 5.2	Global	Win7 preload	Ann date (mm/dd/yy)
0967-A6G 0967-B7G		i3-2120 i5-3470	4GBx1 1600MHz 4GBx1 1600MHz	500G 7200 500G 7200		HD 2000 HD 2500		None None	None None	None None	Pro 64 Pro 64	07/10/12 10/09/12

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program •3-year limited warranty

Positioning	Essential business features, exceptional value	Preloaded operating system
	Intel® Core™ i3-2120 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache),	Genuine Windows® 7
	integrated Intel HD Graphics 2000,	Professional 64
	integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology	Ready to install applications (only some
	Intel Core i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,	listed)
	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	 Rescue and Recovery[™]
Implementation	Processor in LGA1155 socket	Password Manager
	16GB max, UDIMM, PC3-12800 1600MHz DDR3, two 240-pin DIMM sockets;	Preloaded applications (only some listed)
	System automatically clocks down for processors with 1333MHz DDR3 memory controller	 ThinkVantage® Product Recovery
	Intel HD Graphics 2000 or Intel HD Graphics 2500 in processor, uses main memory,	ThinkVantage System Update ThinkVantage Power Manager
•	one VGA, one DVI-D, supports dual independent display;	Think variage Fower Manager Think Vantage Communication Utility
	Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz	View Management Utility
	SATA 3.0Gb/s 7200 rpm	Lenovo Solution Center Lenovo Mossaga Center Plus
	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	Lenovo Message Center Plus Lenovo SimpleTap
	Serial ATA, SATA 3.0Gb/s, integrated in chipset Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar	Norton™ Internet Security
	None	(30 days of virus definitions)
	9-in-1 media reader, internal USB 2.0	Adobe® Reader® Skype™ for Windows
Chipset	Intel H61 Express Chipset	 Windows Live™ Essentials
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Microsoft® Office preloaded; purchase a product key to activate
	Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45),	Corel® Burn.Now™ (DVD±RW)
	VGA DB-15, DVI-D	 Corel DVD MovieFactory® (DVD±RW)
	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for additional USB devices)	
	High Definition (HD) Audio, Realtek® ALC662 codec	
4	None	
	None	
•	Internal speaker for business audio	
	None Circleit athernat part, Booltak BTI 91115, Wake on LAN®	
	Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None	
	None	
	None	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	-
	Enhanced Optical USB Mouse, black, Lenovo logo	
	None	
	240 watts, autosensing, active Power Factor Correction	_
	 Business black color; metal case 13.2" W X 15.0" D X 3.9" H 	
	• 335mm W X 382mm D X 101mm H	
	• 14.6 lb (6.6 kg) in maximum configuration	Security
	Highlighted optical drive button for easy access Pay 1: 5 05" 1 6" high access and optical	One lock to secure both cover and entire system to fixed object:
	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk	-Padlock loop (in rear for opt padlock)
	Bay 3: 1.5", .35" high, access, opt reader*	-Security slot (in rear for optional
	*bay only available on models with media reader installed	Kensington® MicroSaver® cable) • Power-on password
Slot	Slot 1: Low Profile, PCI Express® 2.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1	Administrator password
	Slot 3: Low Profile, PCle 2.0 x1	Hard disk password
	disk optical	Boot sequence control Boot without keyboard and mouse
		Serial port I/O control
		 Individual USB port disablement
		Chassis intrusion switch on selected
		madal(a)
		model(s)
Limited Warranty	3-years , limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day	model(s) Cisco EnergyWise compatible RoHS-compliant

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	SATA optical	Graphics	Chassis intr switch	Floor stand	ENERGY STAR 5.2	Global	Win7 preload	Ann date (mm/dd/yy)
3660-E1G	3x2	i3-3220	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	Switch	Stand	ES52	None	Pro 64	09/11/12

•3-year limited warranty

		1
Positioning Processor	Essential business features, exceptional value Intel® Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller	Preloaded operating system Genuine Windows® 7 Professional 64
Implementation	Processor in LGA1155 socket	Ready to install applications (only some
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3, two 240-pin DIMM sockets	listed)
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DVI-D, supports dual independent display; Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz	 Rescue and Recovery™ Password Manager Preloaded applications (only some listed)
Disk Optical SATA controller Onboard SATA eSATA port Media reader	SATA 3.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s, integrated in chipset Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar None None	 ThinkVantage® Product Recovery ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Communication Utility View Management Utility Lenovo Solution Center Lenovo Message Center Plus
Chipset	Intel H61 Express Chipset	Lenovo Simple Tap
	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DVI-D Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for additional USB devices) High Definition (HD) Audio, Realtek® ALC662 codec None	 Norton™ Internet Security (30 days of virus definitions) Adobe® Reader® Skype™ for Windows Windows Live™ Essentials Microsoft® Office preloaded; purchase a product key to activate Corel® Burn.Now™ (DVD±RW)
Bluetooth Speaker IEEE 1394 Ethernet Intel AMT Modem Security chip	None Internal speaker for business audio None Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None None None	● Corel DVD MovieFactory® (DVD±RW)
Keyboard Mouse Floor Stand Power supply	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo System floor stand for vertical orientation 240 watts, autosensing, 85% PSU	
Machine	 Business black color; metal case 13.2" W X 15.0" D X 3.9" H 335mm W X 382mm D X 101mm H 14.6 lb (6.6 kg) in maximum configuration Highlighted optical drive button for easy access 	
Bay	Bay 1: 5.25", 1.6" high, access, std optical	Security
Slot	Bay 2: 3.5", 1" high, no access, std disk Slot 1: Low Profile, PCI Express® 2.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x1	One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse
	disk optical	Serial port I/O control Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant Cisco EnergyWise compatible
Limited Warranty	3-years , limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

Slot x Type-model bay	Processor	Memory ⁸	SATA disk GB rpm	SATA optical	Graphics	Chassis intr switch	Floor stand	ENERGY STAR 5.2	Global (G) GMP (P)	Win7 preload	Ann date (mm/dd/yy)
3664-A1G 3x2	i5-3550	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	Switch	Stand	ES52	G P	Pro 64	06/05/12
3664-A2G 3x2	i5-3470	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	None	Stand	ES52	G P	Pro 64	06/19/12
3664-A4G 3x2	i3-3220	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	Switch	Stand	ES52	G P	Pro 64	08/21/12
3664-A6G 3x2	i3-3240	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	Switch	Stand	ES52	G P	Pro 64	05/28/13

[•] Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning	Essential business features, exceptional value	Preloaded operating system
Processor	Intel® Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache),	Genuine Windows® 7
	integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller	Professional 64
	Intel Core i3-3240 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache),	Ready to install applications (only some
	integrated Intel HD Graphics 2500,	listed)
	integrated 1600MHz dual-channel DDR3 memory controller Intel Core i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache),	Rescue and Recovery™
	Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,	Password Manager
	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Preloaded applications (only some listed)
	Intel Core i5-3550 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), integrated Intel HD Graphics 2500,	ThinkVantage® Product Recovery ThinkVantage System Undete
	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	ThinkVantage System Update ThinkVantage Power Manager
Implementation	Processor in LGA1155 socket	ThinkVantage Communication Utility
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3, two 240-pin DIMM sockets	View Management Utility Lenovo Solution Center
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11,	Lenovo Message Center Plus
	one VGA, one DVI-D, supports dual independent display;	Lenovo SimpleTap
Disk	Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz SATA 3.0Gb/s 7200 rpm	Norton™ Internet Security (30 days of virus definitions)
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	Adobe® Reader®
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset	Skype™ for Windows
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar	 Windows Live™ Essentials Microsoft® Office preloaded;
eSATA port	None	purchase a product key to activate
Media reader	None	Corel® Burn.Now™ (DVD±RW) (DVD±RW)
Chipset	Intel H61 Express Chipset	Corel DVD MovieFactory® (DVD±RW)
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45),	
Rear ports	VGA DB-15, DVI-D	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	
	Two USB 2.0 planar conn (1 used; one open for additional USB devices)	
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	
PCIe WLAN⁴ Bluetooth	None None	
Speaker	Internal speaker for business audio	
IĖEE 1394	None	
Ethernet	Gigabit ethernet port, Realtek RTL8111E, Wake on LAN®	
Intel AMT	None	
Modem Security chip	None None	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	-
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	Security
Floor Stand	System floor stand for vertical orientation	One lock to secure both cover and entire system to fixed object:
Power supply	240 watts, autosensing, 85% PSU	-Padlock loop (in rear for opt padlock)
Machine	Business black color; metal case	-Security slot (in rear for optional
	• 13.2" W X 15.0" D X 3.9" H	Kensington® MicroSaver® cable) • Power-on password
	 335mm W X 382mm D X 101mm H 14.6 lb (6.6 kg) in maximum configuration 	Administrator password
	Highlighted optical drive button for easy access	Hard disk password
Bay	Bay 1: 5.25", 1.6" high, access, std optical	Boot sequence control Boot without keyboard and mouse
Slot	Bay 2: 3.5", 1" high, no access, std disk Slot 1: Low Profile, PCI Express® 2.0 x16 (40w max)	Serial port I/O control
GIOL	Slot 2: Low Profile, PCle 2.0 x1	Individual USB port disablement
	Slot 3: Low Profile, PCle 2.0 x1 optical	Chassis intrusion switch on selected model(s)
		model(s) EPEAT™ Gold rating
		ENERGY STAR® 5.2-compliant
		Cisco EnergyWise compatible
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	GREENGUARD® certified
	national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	RoHS-compliant Supports ThinkVantage Technologies
	ior service dispatcir/ service apgrades available	Supports Thirtik varitage rechnologies

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	SATA optical	Graphics	Chassis intr switch		ENERGY STAR 5.2) Preload	Ann date (mm/dd/yy)
00017100		i5-3470 i5-3470	4GBx1 1600MHz 4GBx1 1600MHz		DVD±RW DVD±RW	HD 2500 HD 2500	Switch None	Stand Stand	ES52 ES52	G P G P	Win8 Pro64 Win7 Pro64	10/23/12 10/23/12

Implementation Memory Graphics	Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket 16GB max, UDIMM, PC3-12800 1600MHz DDR3, two 240-pin DIMM sockets Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11,	Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Some: Windows 8 Pro 64-bit Preloaded applications (only some listed) - Windows 7 models
Disk Optical SATA controller Onboard SATA eSATA port Media reader Chipset Front ports Rear ports	one VGA, one DVI-D, supports dual independent display; Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz SATA 3.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s, integrated in chipset Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar None Intel H61 Express Chipset Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45),	ThinkVantage® Product Recovery ThinkVantage Power Manager ThinkVantage Communication Utility Lenovo® Message Center Plus Lenovo SimpleTap Adobe® Reader® Windows Live™ Essentials Corel® Burn.Now™ (DVD±RW) Corel DVD MovieFactory® (DVD±RW) Windows 8 models Lenovo Support Lenovo Companion
	VGA DB-15, DVI-D Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for additional USB devices) High Definition (HD) Audio, Realtek® ALC662 codec None None Internal speaker for business audio None Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None None None	Lenovo Cloud Storage Norton™ Studio AccuWeather Evernote® Cyberlink Power2Go (DVD±RW) Cyberlink PowerProducer (DVD±RW) All models ThinkVantage System Update Lenovo Solution Center View Management Utility Norton Internet Security (30 days of virus definitions)
Keyboard Mouse Floor Stand Power supply Machine	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo System floor stand for vertical orientation 240 watts, autosensing, 85% PSU Business black color; metal case 13.2" W X 15.0" D X 3.9" H 335mm W X 382mm D X 101mm H 14.6 lb (6.6 kg) in maximum configuration Highlighted optical drive button for easy access Bay 1: 5.25", 1.6" high, access, std optical	Microsoft® Office preloaded; purchase a product key to activate Skype™
Slot	Bay 2: 3.5", 1" high, no access, std disk Slot 1: Low Profile, PCI Express® 2.0 x16 (40w max) Slot 2: Low Profile, PCle 2.0 x1 Slot 3: Low Profile, PCle 2.0 x1	Security One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Serial port I/O control Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant Cisco EnergyWise compatible
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

ThinkCentre M72e Tower (0896) - TopSeller

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk 2 GB rpm	2nd Disk Bay	SATA optical	Graphics	Media reader	Chassis intr switch	ENERGY STAR 5.2	Global	Win7 preload	Ann date (mm/dd/yy)
0896-A1G	3x4	G640	2GBx1 1600MHz	500G 7200	Bay	DVD±RW	Intel HD	Media	Switch	None	None	None	07/10/12
0896-A2G	3x4	G640	2GBx1 1600MHz	500G 7200	Bay	DVD±RW	Intel HD	Media	Switch	None	None	Pro 64	07/10/12
0896-A3G	3x4	G640	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	Intel HD	Media	Switch	None	None	Pro 64	07/10/12
0896-A4G	3x4	G850	2GBx1 1600MHz	500G 7200	Bay	DVD±RW	Intel HD	Media	Switch	None	None	Pro 64	07/10/12
0896-A5G	3x4	i3-2120	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2000	Media	Switch	None	None	Pro 64	07/10/12
0896-A6G	3x4	i3-2120	4GBx1 1600MHz	1TB 7200	Bay	DVD±RW	HD 2000	Media	Switch	None	None	Pro 64	07/10/12
0896-B6G	3x4	G645	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	Intel HD	Media	Switch	None	None	None	09/04/12

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program •1-year limited warranty

	♥1-year infilted warranty	
Positioning Processor	Essential business features, exceptional value Intel® Pentium® G640 Processor (2 cores / 2 threads, 2.8GHz, 3MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Pentium G645 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache), integrated Intel HD Graphics	Preloaded operating system Some: No operating system Some: Genuine Windows 7 Professional 64 Ready to install applications
lead an artetica	integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Pentium G850 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core™ i3-2120 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology	(Windows 7 models; only some listed) • Rescue and Recovery™ • Password Manager Preloaded applications (Windows 7 models; only some listed) • ThinkVantage® Product Recovery
Implementation	Processor in LGA1155 socket	ThinkVantage System Update ThinkVantage Power Manager
Memory	16GB max, UDIMM , PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets; System automatically clocks down for processors with 1066 or 1333MHz DDR3 memory controller	ThinkVantage Fower Manager ThinkVantage Communication Utility View Management Utility Lenovo Solution Center
Graphics	Intel HD Graphics or Intel HD Graphics 2000 in processor, uses main memory, HDCP, DirectX® 10.1, one VGA, one DVI-D, supports dual independent display; Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz	Lenovo Message Center Plus Lenovo SimpleTap Norton™ Internet Security
Disk	SATA 3.0Gb/s 7200 rpm	(30 days of virus definitions)
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	Adobe® Reader® Skype™ for Windows
SATA controller Onboard SATA	Serial ATA, SATA 3.0Gb/s, integrated in chipset Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar	 Windows Live™ Essentials
eSATA port	None	Microsoft® Office preloaded;
Media reader	9-in-1 media reader, internal USB 2.0	purchase a product key to activate • Corel® Burn.Now™ (DVD±RW)
Chipset	Intel H61 Express Chipset	Corel DVD MovieFactory® (DVD±RW)
Front ports Rear ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DVI-D	
Rear audio ports Internal connector Audio PCIe WLAN ⁴ Bluetooth	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for additional USB devices) High Definition (HD) Audio, Realtek® ALC662 codec None None	
Speaker	Internal speaker for business audio	
IEEE 1394	None	
Ethernet Intel AMT	Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None	
Modem	None	
Security chip	None	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Power supply Machine	280 watts with variable speed fan, manual switch	-
Machine	 Business black color; metal case 6.3" W X 16.6" D X 15.3" H (with handle) 160mm W X 422mm D X 388mm H 20.7 lb (9.4 kg) in maximum configuration Handle on top front Highlighted optical drive button for easy access 	Security • One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock)
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 3.5", 1" high, no access, std disk Bay 4: 1.5", .35" high, access, opt reader* *bay only available on models with media reader installed	-Security slot (in rear for optional Kensington® MicroSaver® cable) • Power-on password • Administrator password • Hard disk password
Slot	Slot 1: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1	Boot sequence control Boot without keyboard and mouse Serial port I/O control Individual USB port disablement Chassis intrusion switch on selected model(s)
Limited Warranty	1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	Cisco EnergyWise compatible RoHS-compliant Supports ThinkVantage Technologies
	1 10	

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk 2 GB rpm	2nd Disk Bay	SATA optical	Graphics	Chassis intr switch			Win7 preload	Ann date (mm/dd/yy)
0896-A7G 0896-A8G			4GBx1 1600MHz 4GBx1 1600MHz		Bay Bay	DVD±RW DVD±RW			None None	None None	Pro 64 Pro 64	

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program •1-year limited warranty

Positioning	Essential business features, exceptional value	Preloaded operating system
Processor	Intel [®] Core [™] i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,	Genuine Windows® 7 Professional 64
	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	Ready to install applications (only some
	16GB max, UDIMM, PC3-12800 1600MHz DDR3, two 240-pin DIMM sockets	listed)
Graphics	Some: Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DVI-D, supports dual independent display; Maximum resolution: 2560x1600 (VGA) @ 60Hz; 1920x1200 (DVI-D) @ 60Hz Some: AMD Radeon™ HD 7350, DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort™, 30 watts; Maximum resolution: 2560x1600 (DisplayPort, DVI-I) @ 60Hz; works along with Intel HD Graphics to support up to four independent monitors	 Rescue and Recovery™ Password Manager Preloaded applications (only some listed) ThinkVantage® Product Recovery ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Communication Utility View Management Utility
Optical SATA controller Onboard SATA eSATA port	SATA 3.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s, integrated in chipset Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar None 9-in-1 media reader, internal USB 2.0	 Lenovo Solution Center Lenovo Message Center Plus Lenovo SimpleTap Norton™ Internet Security (30 days of virus definitions) Adobe® Reader® Skype™ for Windows
	Intel H61 Express Chipset	Windows Live™ Essentials Minor M
Rear ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DVI-D	 Microsoft® Office preloaded; purchase a product key to activate Corel® Burn.Now™ (DVD±RW) Corel DVD MovieFactory® (DVD±RW)
Internal connector Audio PCIe WLAN ⁴ Bluetooth Speaker IEEE 1394 Ethernet Intel AMT	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for additional USB devices) High Definition (HD) Audio, Realtek® ALC662 codec None None Internal speaker for business audio None Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None None	
	None	
Keyboard Mouse	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo 280 watts with variable speed fan, manual switch • Business black color; metal case • 6.3" W X 16.6" D X 15.3" H (with handle) • 160mm W X 422mm D X 388mm H	
	 20.7 lb (9.4 kg) in maximum configuration Handle on top front Highlighted optical drive button for easy access 	Security
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 3.5", 1" high, no access, std disk Bay 4: 1.5", .35" high, access, opt reader* *bay only available on models with media reader installed	 One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable)
Slot	Slot 1: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1	 Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Serial port I/O control Individual USB port disablement Chassis intrusion switch on selected model(s)
Limited Warranty	1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day	Cisco EnergyWise compatible RoHS-compliant

ThinkCentre M72e Tower (0896) - TopSeller (Win 8)

Type-model	Slot x bay	Processor	N	lemory ⁸	SATA disk 2 GB rpm	nd Disk Bay	SATA optical	Graphics		Chassis intr switch	ENERGY STAR 5.2	Global	Preload	Ann date (mm/dd/yy)	
0896-A9G	3x4	G645		1600MHz	500G 7200	Bay	DVD±RW		Media	Switch	None	None	Win8 Pro64		
	3x4	G870		1600MHz	500G 7200	Bay	DVD±RW			Switch	None	None	Win8 Pro64		
	3x4 3x4	i3-3220 i3-3220		1600MHz 1600MHz	500G 7200 1TB 7200	Bay Bay	DVD±RW	HD 2500		Switch Switch	None None	None None	Win8 Pro64 Win8 Pro64		
	3x4	i5-3470	_	1600MHz	500G 7200	Вау		HD 2500		Switch	None	None	Win8 Pro64		
	3x4	i5-3470		1600MHz	1TB 7200	Bay	DVD±RW			Switch	None	None	Win8 Pro64		
	3x4	G645		1600MHz	500G 7200	Bay	DVD±RW		Media	Switch	None	None	Win7 Pro64		
0896-C2G	3x4	G870	4GBx1	1600MHz	500G 7200	Bay	DVD±RW		Media	Switch	None	None	Win7 Pro64		
	3x4	i3-3220	· · · · · · · · · · · · · · · · · · ·									None	Win7 Pro64		
	3x4	i3-3220			1TB 7200	Bay				Switch	None	None	Win7 Pro64		
	3x4 3x4	i5-3470 i5-3470		1600MHz 1600MHz	500G 7200 1TB 7200	Bay Bay	DVD±RW	HD 2500 HD 7350		Switch Switch	None None	None None	Win7 Pro64 Win7 Pro64		
Positioning		Essentia	l busine:	ss features,	exceptional va	alue					Preloaded	operati	ng system		
Processor		integrate Intel Per integrate Intel Cor integrate integrate Intel Cor Turbo Bo	d Intel F ntium Ga d Intel F re™ i3-3 d Intel F d 1600M re i5-347 oost 2.0	ID Graphics 870 Proces ID Graphics 220 Proces ID Graphics 4Hz dual-ch 70 Process (3.6GHz), in	annel DDR3 m or (4 cores / 4 itegrated Intel	DR3 me 2 thre DR3 me 4 thre nemory thread	emory contrads, 3.1GH emory contrads, 3.3GH controller ds, 3.2GHz aphics 2500	rolloer (up lz, 3MB ca rolloer (up lz, 3MB ca , 6MB cach	to 1066l che), to 1333l che), ne),	MHz)	pre rigl Some: Wii Preloaded - Window • ThinkVa • ThinkVa	einstalled nts in Wir ndows 8 I applica s 7 mode ntage® Pontage Pontage Po	tions (only so els roduct Recove wer Manager	ngrade 4-bit me listed) ery	
Implementa	tion	•		11155 sock	annel DDR3 m et	٠,			mmunication	Utility					
Memory					800 1600MHz	DDR3	two 240-n	in DIMM so	ockets		LenovoLenovo		e Center Plus p		
Graphics							 Adobe[®] 	Reader®	•						
uses main memory, one VGA, one DVI-D, supports dual independent display Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz Some: AMD Radeon™ HD 7350, DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort™, 30 watts; Maximum resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz; works along with Intel HD Graphics to support up to four independent monite									iispiay; 60Hz		urn.Now /D Movie s 8 mode Support Compani	™ (DVD±RW) Factory® (DVI els on	D±RW)		
Disk											 Norton™ 		Jiago		
Optical		•			ERW SATA 1.5		rive				 AccuWe 				
SATA contro					tegrated in chi		4T4 0 001				 Evernote 		Co (DVD+DW	Λ	
Onboard SA	AIA		A cables	(each 1-dr	op to device), t	three S	AIA 3.0Gb/	s connecto	ors on pl				2Go (DVD±RW Producer (DVD		
eSATA port Media reade	er	None 9-in-1 me	edia read	der, internal	USB 2.0						- All mode		(,	
Chipset	J1			ss Chipset	00D 2.0						ThinkVa	ntage Sy	stem Update		
Front ports					tereo, 3.5mm)	. headr	ohone (stere	eo. 3.5mm)		Lenovo \$	Solution (Center		
Rear ports		Four USI VGA DB	B 2.0, se -15, DVI	erial (9-pin), -D	keyboard (PS	/2), mo	use (PS/2),	ethernet (RJ-45),		 View Management Utility Norton Internet Security (30 days of virus definitions) 				
Audio	necto	r Two USÈ	3 2.0 pla	nar conn (1	-out (stereo, 3. used; one ope Realtek® ALC6	n for a	dditional US			,		e a produ	preloaded; uct key to activ	rate	
PCIe WLAN Bluetooth	l ⁴	None None													
Speaker			speaker	for business	s audio										
IEEE 1394 Ethernet		None Gigabit o	thornot	nort Boolto	k RTL8111E,	Maka	m I ANI®								
Intel AMT		None	ulemet	port, nearte	K MILOIIIL,	vvake C	JII LAIN								
Modem		None													
Security chi	р	None													
Keyboard		Preferred	d Pro US	B Keyboard	d (USB connec	tor), 10	04-key, blac	k, Lenovo®	logo						
Mouse					se, black, Lend		0								
Power supp	ly				d fan, manual	switch					Security				
Machine		6.3" W160mr20.7 lkHandle	/ X 16.6' m W X 4 o (9.4 kg e on top	22mm D X :) in maximu front	H (with handle		entire sy- -Padlock -Security Kensing • Power-or	stem to fi loop (in l slot (in r ton® Micr n passwo		dlock) al					
Bay		Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 3.5", 1" high, no access, std disk Bay 4: 1.5", .35" high, access, opt reader* *bay only available on models with media reader installed Slot 1: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1										nt			
					t, PCle 2.0 x1						model(s)				
Limited Wa	rranty	1-year, I	limited of	onsite serv s. Calls rece	ice, 8 am-5 pn	n, Mon n will re	- Fri covera	ge excludi Iditional ne	ng publi xt busin	canu	Cisco Ener RoHS-com		compatible		
					e upgrades ava						Supports T	hinkVant	tage Technolo	gies	

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	2nd Disk Bay	SATA optical	Graphics	Chassis intr switch	ENERGY STAR 5.2	Global	Win7 preload	Ann date (mm/dd/yy)
3655-E7G	3x3	i3-3220	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	Switch	ES52	None	Pro 64	09/11/12

•3-year limited warranty

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Positioning Processor	Essential business features, exceptional value Intel® Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2500,	Preloaded operating system Genuine Windows® 7 Professional 64
Implementation	integrated 1600MHz dual-channel DDR3 memory controller Processor in LGA1155 socket	Ready to install applications (only some
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3, two 240-pin DIMM sockets	listed)
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DVI-D, supports dual independent display; Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz	 Rescue and Recovery[™] Password Manager Preloaded applications (only some listed)
Disk Optical SATA controller Onboard SATA eSATA port Media reader	SATA 3.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s, integrated in chipset Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar None None	 ThinkVantage® Product Recovery ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Communication Utility View Management Utility Lenovo Solution Center Lenovo Message Center Plus
Chipset	Intel H61 Express Chipset	Lenovo Simple Tap
Front ports Rear ports Rear audio ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DVI-D Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for additional USB devices) High Definition (HD) Audio, Realtek® ALC662 codec None None Internal speaker for business audio None Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None None None Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo 280 watts with variable speed fan, autosensing, 85% PSU Business black color; metal case 6.3" W X 16.6" D X 15.3" H (with handle) 160mm W X 422mm D X 388mm H 20.7 lb (9.4 kg) in maximum configuration	 Leffovo Siffipie rap Norton™ Internet Security (30 days of virus definitions) Adobe® Reader® Skype™ for Windows Windows Live™ Essentials Microsoft® Office preloaded; purchase a product key to activate Corel® Burn.Now™ (DVD±RW) Corel DVD MovieFactory® (DVD±RW)
Bay	 Handle on top front Highlighted optical drive button for easy access Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, opt disk 	Security One lock to secure both cover and
Slot	Bay 3: 3.5", 1" high, no access, std disk Slot 1: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1	entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard and mouse • Serial port I/O control • Individual USB port disablement • Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant
Limited Warranty	3-years , limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

ThinkCentre M72e Tower (3662) - ES 5.2 (GMP)

Slot x Type-model bay	Processor	Memory ⁸	SATA disk GB rpm	2nd Disk Bay	SATA optical	Graphics	Chassis intr switch		Global (G) GMP (P)		Ann date (mm/dd/yy)
3662-A1G 3x3	i5-3550	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	Switch	ES52	G P	Pro 64	06/05/12
3662-A2G 3x3	i5-3470	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	None	ES52	G P	Pro 64	06/19/12
3662-A4G 3x3	i3-3220	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	Switch	ES52	G P	Pro 64	08/21/12
3662-A6G 3x3	i3-3240	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	Switch	ES52	G P	Pro 64	05/28/13

[•] Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

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Positioning Processor	Essential business features, exceptional value Intel® Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Intel Core i3-3240 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache),	Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some
	integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Intel Core i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache),	listed) ■ Rescue and Recovery [™] ■ Password Manager
	Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i5-3550 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	 Preloaded applications (only some listed) ThinkVantage® Product Recovery ThinkVantage System Update ThinkVantage Power Manager
Implementation	Processor in LGA1155 socket	 ThinkVantage Communication Utility
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3, two 240-pin DIMM sockets	View Management Utility Lenovo Solution Center
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DVI-D, supports dual independent display; Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz	Lenovo Message Center Plus Lenovo SimpleTap Norton™ Internet Security
Disk	SATA 3.0Gb/s 7200 rpm	(30 days of virus definitions)
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	 Adobe® Reader® Skype™ for Windows
SATA controller Onboard SATA	Serial ATA, SATA 3.0Gb/s, integrated in chipset Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar	 Windows Live™ Essentials
eSATA port	None	Microsoft® Office preloaded; purchase a product key to activate
Media reader	None	_ Corel® Burn.Now™ (DVD±RW)
Chipset	Intel H61 Express Chipset	Corel DVD MovieFactory® (DVD±RW)
Front ports Rear ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DVI-D	
Rear audio ports Internal connector Audio	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for additional USB devices) High Definition (HD) Audio, Realtek® ALC662 codec	
PCIe WLAN⁴	None	
Bluetooth	None	
Speaker IEEE 1394	Internal speaker for business audio None	
Ethernet	Gigabit ethernet port, Realtek RTL8111E, Wake on LAN®	
Intel AMT	None	
Modem	None None	
Security chip Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	-
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	Security
Power supply	280 watts with variable speed fan, autosensing, 85% PSU	One lock to secure both cover and
Machine	Business black color; metal case 6.3" W X 16.6" D X 15.3" H (with handle) 160mm W X 422mm D X 388mm H 20.7 lb (9.4 kg) in maximum configuration Handle on top front Highlighted optical drive button for easy access	entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable) Power-on password Administrator password
Bay	Bay 1: 5.25", 1.6" high, access, std optical	Hard disk passwordBoot sequence controlBoot without keyboard and mouse
Slot	Bay 2: 3.5°, 1° high, no access, opt disk Bay 3: 3.5°, 1° high, no access, std disk Slot 1: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1	Serial port I/O control Individual USB port disablement Chassis intrusion switch on selected model(s)
Decision di Ma		EPEAT™ Gold rating ENERGY STAR® 5.2-compliant Cisco EnergyWise compatible GREENGUARD® certified
Limited Warranty	3-years , limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	RoHS-compliant Supports ThinkVantage Technologies

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	2nd Disk Bay	SATA optical	Graphics	Chassis intr switch			Ann date (mm/dd/yy)
3662-A3G 3662-A5G		i5-3470 i5-3470	4GBx1 1600MHz 4GBx1 1600MHz		Bay Bay	DVD±RW DVD±RW	HD 2500 HD 2500	Switch None	ES52 ES52	 Win8 Pro64 Win7 Pro64	

	national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	RoHS-compliant Supports ThinkVantage Technologies
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant Cisco EnergyWise compatible GREENGUARD® certified
		Kensington® MicroSaver® cable) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard and mouse • Serial port I/O control • Individual USB port disablement • Chassis intrusion switch on selected
	Slot 3: half-length, full-height, PCle 2.0 x1	entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional
Slot	Baý 3: 3.5", 1" high, no access, std disk Slot 1: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1	Security One lock to secure both cover and
Вау	 Handle on top front Highlighted optical drive button for easy access Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, opt disk 	
Machine	 Business black color; metal case 6.3" W X 16.6" D X 15.3" H (with handle) 160mm W X 422mm D X 388mm H 20.7 lb (9.4 kg) in maximum configuration 	
Mouse Power supply	Enhanced Optical USB Mouse, black, Lenovo logo 280 watts with variable speed fan, autosensing, 85% PSU	purchase a product key to activate • Skype™
Security chip Keyboard	None Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	(30 days of virus definitions) • Microsoft® Office preloaded;
Intel AMT Modem	None None	View Management Utility Norton Internet Security
Ethernet	Gigabit ethernet port, Realtek RTL8111E, Wake on LAN®	ThinkVantage System Update Lenovo Solution Center
Speaker IEEE 1394	Internal speaker for business audio None	- All models
Bluetooth	None	Cyberlink Power2Go (DVD±RW) Cyberlink PowerProducer (DVD±RW)
Audio PCIe WLAN⁴	High Definition (HD) Audio, Realtek® ALC662 codec None	Evernote®
	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for additional USB devices)	Norton™ Studio AccuWeather
Rear ports	Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DVI-D	Lenovo Companion Lenovo Cloud Storage
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Lenovo Support
Chipset	Intel H61 Express Chipset	Corel DVD MovieFactory® (DVD±RW) Windows 8 models
eSATA port Media reader	None None	 Windows Live™ Essentials Corel® Burn.Now™ (DVD±RW)
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar	Adobe® Reader®
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset	Lenovo® Message Center Plus Lenovo SimpleTap
Disk Optical	SATA 3.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	 ThinkVantage Communication Utility
	one VGA, one DVI-D, supports dual independent display; Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz	ThinkVantage® Product Recovery ThinkVantage Power Manager
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11,	Preloaded applications (only some listed) - Windows 7 models
Implementation Memory	Processor in LGA1155 socket 16GB max, UDIMM, PC3-12800 1600MHz DDR3, two 240-pin DIMM sockets	Some: Windows 8 Pro 64-bit
Processor	Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
Positioning	Essential business features, exceptional value	Preloaded operating system

ThinkCentre M78 Small and Tower

ThinkCentre_®



Lenovo ThinkCentre M78 Small and Tower



Lenovo ThinkCentre M78 Tower with Lenovo ThinkVision Monitor





Lenovo ThinkCentre M78 Small



Lenovo ThinkCentre M78 Small with Lenovo ThinkVision Monitor





Lenovo ThinkCentre M78 Tower



Lenovo ThinkCentre M78 Tower

Slot x Type-model bay	Processor	Memory	SATA disk B GB rpm		Media reader	Graphics	Chassis Intrusion switch			ENERGY STAR 5.2			Ann date (mm/dd/yy)
2114-A1G 4x3	A6-5400B	4GBx1	500G 7200	DVD±RW	None	Radeon HD 7540D	None	None	Stand	ES52	GP	Pro 64	08/28/12

Positioning	Mainstream enterprise stability and manageability	Preloaded operating system
Processor	AMD Accelerated Processor A6-5400B (dual-core, 3.6GHz, 1MB L2 cache), Turbo Core technology (up to 3.8GHz), integrated AMD Radeon HD 7540D Graphics, integrated DDR3 memory controller (up to 1866MHz)	Genuine Windows® 7 Professional 64
Implementation	Processor in Socket FM2	Ready to install applications (only some
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	listed)
Graphics	AMD Radeon HD Graphics, integrated in processor, uses main memory, DirectX [®] 11, one VGA, one DisplayPort™, supports dual independent display; works along with discrete graphics to support up to four independent monitors; <i>Maximum resolution:</i> 1920x1200 (VGA)@60Hz; 2560x2048 (DisplayPort)@60Hz	 Rescue and Recovery™ Password Manager Business-in-a-Box Preloaded applications (only some listed)
DP dongle	None	ThinkVantage® Product Recovery
Disk Optical SATA controller Onboard SATA eSATA port Media reader	SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar None None	ThinkVantage System Update ThinkVantage Communication Utility ThinkVantage Power Manager View Management Utility Lenovo Solution Center Lenovo Message Center Plus Lenovo SimpleTap
Chipset	AMD A75 Chipset	 Norton™ Internet Security (30 days of virus definitions)
Audio Speaker IEEE 1394	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for additional USB device) High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio None	Adobe® Reader® Google Chrome Google Toolbar Skype™ for Windows Evernote® RapidBoot HDD Accelerator Symantec™ VIP Windows Live™ Essentials Microsoft® Office preloaded;
Ethernet Modem	One gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None	purchase a product key to activate • Corel® Burn.Now™ (DVD±RW)
Security chip	Trusted Platform Module (TPM 1.2-compliant)	Corel DVD MovieFactory® (DVD±RW)
Keyboard Mouse Floor Stand Power supply	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo System floor stand for vertical orientation 240 watts, autosensing, 85% PSU	
Machine	 Business black color; metal case 13.3" W X 15.0" D X 3.9" H 339mm W X 381mm D X 100mm H 16.5 lb (7.5 kg) in maximum configuration Toolless cover flips up and tilts backward on rear hinges Toolless disk and optical drive removal Toolless adapter retention Bay 1: 5.25", 1.6" high, access, std optical 	
	Bay 2: 3.5", 1" high, no access, std disk	
Slot	Bay 3: 3.5", .5" high, access, opt reader Slot 1: Low Profile, PCI Express 2.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3	Security Security chip (see information on left) Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Cable lock
	disk optical	Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day	ENERGY STAR® 5.2-compliant ULE Gold RoHS-compliant
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies

Slot x Type-model bay Processor	SATA di Memory ⁸ GB rp	Media reader	Graphics	Chassis Intrusion switch	Floor ENERGY stand STAR 5.2	
2114-B1G 4x3 A6-5400B 2114-C1G 4x3 A6-5400B						 Win8 Pro64 10/23/12 Win7 Pro64 10/30/12

Positioning	Mainstream enterprise stability and manageability	Preloaded operating system
Processor Implementation	AMD Accelerated Processor A6-5400B (dual-core, 3.6GHz, 1MB L2 cache), Turbo Core technology (up to 3.8GHz), integrated AMD Radeon HD 7540D Graphics, integrated DDR3 memory controller (up to 1866MHz) Processor in Socket FM2	Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Some: Windows 8 Pro 64-bit
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	
Graphics	AMD Radeon HD Graphics, integrated in processor, uses main memory, DirectX [®] 11, one VGA, one DisplayPort™, supports dual independent display; works along with discrete graphics to support up to four independent monitors; <i>Maximum resolution:</i> 1920x1200 (VGA) @ 60Hz; 2560x2048 (DisplayPort) @ 60Hz	Preloaded applications (only some listed) - Windows 7 models ThinkVantage® Product Recovery ThinkVantage Communication Utility ThinkVantage Power Manager
DP dongle	None	Lenovo® Message Center Plus
Disk Optical SATA controller Onboard SATA eSATA port Media reader	SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar None None	 Lenovo SimpleTap Adobe® Reader® Google Chrome Google Toolbar RapidBoot HDD Accelerator Symantec™ VIP Windows Live™ Essentials
Chipset	AMD A75 Chipset	Corel® Burn.Now™ (DVD±RW)
Front ports Rear ports Rear audio ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for additional USB device) High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio None One gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None Trusted Platform Module (TPM 1.2-compliant) Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo System floor stand for vertical orientation 240 watts, autosensing, 85% PSU	Corel DVD MovieFactory® (DVD±RW) Windows 8 models Lenovo Support Lenovo Companion Lenovo Cloud Storage Lenovo QuickLaunch Norton™ Studio Intel AppUp® AccuWeather PC Device Stage Cyberlink Power2Go (DVD±RW) Cyberlink PowerProducer (DVD±RW) All models ThinkVantage® System Update View Management Utility Lenovo Solution Center
Machine	Business black color; metal case 13.3" W X 15.0" D X 3.9" H 339mm W X 381mm D X 100mm H 16.5 lb (7.5 kg) in maximum configuration Toolless cover flips up and tilts backward on rear hinges Toolless disk and optical drive removal Toolless adapter retention Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 3.5", 5" high, access, opt reader	Norton Internet Security (30 days of virus definitions) Evernote® Microsoft® Office preloaded; purchase a product key to activate Skype™
Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3	Security Security Security chip (see information on left) Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Cable lock Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	ULE Gold RoHS-compliant Supports ThinkVantage Technologies

Slot x Type-model bay	Processor	Memory ⁸	SATA disk 2 GB rpm		Media reader	Graphics	Chassis PS/2 intr switch port		Preload	Ann date (mm/dd/yy)
2111-B1G 4x5 2111-C1G 4x5				,		Radeon HD 7480D Radeon HD 7480D				

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller Program 3-year limited warranty

Processor	Mainstream enterprise stability and manageability	Preloaded operating system				
Processor	AMD Accelerated Processor A4-5300 (dual-core, 3.4GHz, 1MB L2 cache), Turbo Core technology (up to 3.6GHz), integrated AMD Radeon™ HD 7480D Graphics,	Some: Windows® 7 Professional 64				
	integrated DDR3 memory controller (up to 1600MHz)	preinstalled through downgrade rights in Windows 8 Pro 64-bit				
Implementation	Processor in Socket FM2	Some: Windows 8 Pro 64-bit				
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	Preloaded applications (only some listed)				
Graphics	AMD Radeon HD Graphics, integrated in processor, uses main memory, DirectX [®] 11, one VGA, one DisplayPort™, supports dual independent display; works along with discrete graphics to support up to four independent monitors; <i>Maximum resolution:</i> 1920x1200 (VGA)@60Hz; 2560x2048 (DisplayPort)@60Hz	Windows 7 models ThinkVantage® Product Recovery ThinkVantage Communication Utility ThinkVantage Power Manager				
DP dongle	None	Lenovo® Message Center Plus				
Disk	SATA 6.0Gb/s 7200 rpm	Lenovo SimpleTap				
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	Adobe® Reader® Google Chrome				
SATA controller Onboard SATA	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar	Google Toolbar				
eSATA port	None	RapidBoot HDD Accelerator				
Media reader	None	● Symantec [™] VIP ● Windows Live [™] Essentials				
Chipset	AMD A75 Chipset	Corel® Burn.Now™ (DVD±RW)				
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	 Corel DVD MovieFactory® (DVD±RW) 				
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2)	- Windows 8 models • Lenovo Support				
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)	Lenovo Companion				
	Two USB 2.0 planar conn (1 used; one open for additional USB device)	Lenovo Cloud Storage				
Audio Speaker	High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio	Lenovo QuickLaunch Norton™ Studio				
IEEE 1394	None	Intel AppUp®				
Ethernet	One gigabit ethernet port, Realtek RTL8111E, Wake on LAN®	AccuWeather				
Modem	None	PC Device Stage Cyberlink Power2Go (DVD±RW)				
Security chip	Trusted Platform Module (TPM 1.2-compliant)	Cyberlink PowerProducer (DVD±RW)				
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	- All models				
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	ThinkVantage® System Update				
Power supply	280 watts with variable speed fan, manual switch	View Management Utility				
Machine	 Business black color; metal case 6.9" W X 17.4" D X 16.3" H 	Lenovo Solution Center Nerton Internet Security				
	• 175mm W X 442mm D X 414mm H	Norton Internet Security (30 days of virus definitions)				
	• 27.5 lb (12.5 kg) in maximum configuration	Evernote®				
	 Toolless cover removal, toolless adapter retention Toolless disk, optical drive removal 	Microsoft® Office preloaded;				
Bay	Bay 1: 5.25", 1.6" high, access, std optical	purchase a product key to activate ■ Skype [™]				
Бау	Bay 2: 5.25", 1.6" high, access, open	• Skype ···				
	Bay 3: 3.5", 1" high, access, opt reader					
	Bay 4: 3.5", 1" high, no access, std disk					
Slot	Bay 5: 3.5", 1" high, no access, opt disk Slot 1: half-length, full-height, PCI Express 2.0 x16 (60w max)					
Giot	Slot 2: half-length, full-height, PCIe 2.0 x1					
	Slot 3: half-length, full-height, 32-bit PCI 2.3	Coourity				
	Slot 4: half-length, full-height, 32-bit PCI 2.3 optical	Security Security chip (see information on left)				
	2	One lock to secure both cover and				
		entire system to fixed object:				
	(3) disk	-Padlock loop (in rear for opt padlock) -Security slot (in rear for optional				
		Kensington® MicroSaver® cable)				
		Cable lock				
	5	Power-on password Administrator password				
		Administrator password Hard disk password				
		Boot sequence control				
		 Boot without keyboard and mouse 				
		Individual USB port disablement Chassis intrusion switch on selected				
		model(s)				
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day	RoHS-compliant				
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies				
	and the second s	Dapporto minimatinago reominiologico				

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk 2 GB rpm	2nd Disk Bay	SATA optical	Media reader	Graphics	Chassis intr switch		ENERGY STAR 5.2			Ann date (mm/dd/yy)
1565-A1G	4x5	A6-5400B	4GBx1	500G 7200	Bav	DVD±RW	None	Radeon HD 7540	D None	None	ES52	GP	Pro 64	08/28/12

Positioning Processor Implementation Memory Graphics DP dongle	Mainstream enterprise stability and manageability AMD Accelerated Processor A6-5400B (dual-core, 3.6GHz, 1MB L2 cache), Turbo Core technology (up to 3.8GHz), integrated AMD Radeon HD 7540D Graphics, integrated DDR3 memory controller (up to 1866MHz) Processor in Socket FM2 32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets AMD Radeon HD Graphics, integrated in processor, uses main memory, DirectX [®] 11, one VGA, one DisplayPort™, supports dual independent display; works along with discrete graphics to support up to four independent monitors; Maximum resolution: 1920x1200 (VGA) @ 60Hz; 2560x2048 (DisplayPort) @ 60Hz None	Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) ■ Rescue and Recovery™ ■ Password Manager ■ Business-in-a-Box Preloaded applications (only some listed) ■ ThinkVantage® Product Recovery
Disk Optical SATA controller Onboard SATA eSATA port Media reader Chipset	SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar None None AMD A75 Chipset	 ThinkVantage System Update ThinkVantage Communication Utility ThinkVantage Power Manager View Management Utility Lenovo Solution Center Lenovo Message Center Plus Lenovo Simple Tap Norton™ Internet Security (30 days of virus definitions)
	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for additional USB device) High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio None One gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None Trusted Platform Module (TPM 1.2-compliant)	Adobe® Reader® Google Chrome Google Toolbar Skype™ for Windows Evernote® RapidBoot HDD Accelerator Symantec™ VIP Windows Live™ Essentials Microsoft® Office preloaded; purchase a product key to activate Corel® Burn.Now™ (DVD±RW) Corel DVD MovieFactory® (DVD±RW)
Keyboard Mouse Power supply Machine	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo 280 watts, autosensing, 85% PSU • Business black color; metal case • 6.9" W X 17.4" D X 16.3" H • 175mm W X 442mm D X 414mm H • 27.5 lb (12.5 kg) in maximum configuration • Toolless cover removal, toolless adapter retention • Toolless disk, optical drive removal Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, no access, opt reader Bay 4: 3.5", 1" high, no access, opt disk	
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3 optical a ig ig ig ig ig ig ig ig ig	Security Security Security Cone lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable) Cable lock Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR 5.2-compliant
Limited Warranty	3-years , limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	ULE Gold RoHS-compliant Supports ThinkVantage Technologies

Slot x Type-model bay	Memory ⁸	SATA disk 2 GB rpm			Graphics i	Chassis ntr switch	PS/2 port	ENERGY STAR 5.2	Global (G GMP (P)) Preload	Ann date (mm/dd/yy)
			,		Radeon HD 7540D Radeon HD 7540D						

		<u> </u>
Positioning	Mainstream enterprise stability and manageability	Preloaded operating system
Processor	AMD Accelerated Processor A6-5400B (dual-core, 3.6GHz, 1MB L2 cache), Turbo Core technology (up to 3.8GHz), integrated AMD Radeon HD 7540D Graphics,	Some: Windows® 7 Professional 64
	integrated DDR3 memory controller (up to 1866MHz)	preinstalled through downgrade
Implementation	Processor in Socket FM2	rights in Windows 8 Pro 64-bit Some: Windows 8 Pro 64-bit
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	Preloaded applications (only some listed)
Graphics	AMD Radeon HD Graphics, integrated in processor, uses main memory, DirectX® 11,	- Windows 7 models
5s.p5	one VGA, one DisplayPort™, supports dual independent display;	ThinkVantage® Product Recovery
	works along with discrete graphics to support up to four independent monitors;	Think variage Troduct Necovery Think Vantage Communication Utility
DD donalo	Maximum resolution: 1920x1200 (VGA)@60Hz; 2560x2048 (DisplayPort)@60Hz	ThinkVantage Power Manager
DP dongle	None	Lenovo® Message Center Plus
Disk	SATA 6.0Gb/s 7200 rpm	Lenovo SimpleTap Adobe® Reader®
Optical SATA controller	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1	Google Chrome
Onboard SATA	Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar	Google Toolbar
eSATA port	None	RapidBoot HDD Accelerator
Media reader	None	Symantec™ VIP Windows Live™ Essentials
Chipset	AMD A75 Chipset	■ Corel® Burn.Now™ (DVD±RW)
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Corel DVD MovieFactory® (DVD±RW)
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort,	- Windows 8 models
riodi porto	optional keyboard (PS/2), optional mouse (PS/2)	Lenovo Support
	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)	Lenovo Companion
	Two USB 2.0 planar conn (1 used; one open for additional USB device)	Lenovo Cloud Storage
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	Lenovo QuickLaunch Nantagram Objective
Speaker	Internal speaker for business audio	 Norton™ Studio Intel AppUp®
IEEE 1394	None One gigehit ethernet next Beeltek BTI 8111E Weke en LAN®	AccuWeather
Ethernet Modem	One gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None	PC Device Stage
Security chip	Trusted Platform Module (TPM 1.2-compliant)	Cyberlink Power2Go (DVD±RW)
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	Cyberlink PowerProducer (DVD±RW)
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	- All models
Power supply	280 watts, autosensing, 85% PSU	ThinkVantage® System Update
Machine	Business black color; metal case	View Management Utility Lenovo Solution Center
	• 6.9" W X 17.4" D X 16.3" H	Norton Internet Security
	• 175mm W X 442mm D X 414mm H	(30 days of virus definitions)
	 27.5 lb (12.5 kg) in maximum configuration Toolless cover removal, toolless adapter retention 	Evernote® Misses of the Office and the desired to the office of th
	Toolless disk, optical drive removal	Microsoft® Office preloaded; purchase a product key to activate
Bay	Bay 1: 5.25", 1.6" high, access, std optical	Skype™
	Bay 2: 5.25", 1.6" high, access, open	- Chypo
	Bay 3: 3.5", 1" high, access, opt reader	
	Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk	
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (60w max)	Security
0.01	Slot 2: half-length, full-height, PCle 2.0 x1	Security chip (see information on left)
	Slot 3: half-length, full-height, 32-bit PCI 2.3	One lock to secure both cover and ontire system to fixed chicat:
	Slot 4: half-length, full-height, 32-bit PCI 2.3 optical	entire system to fixed object: -Padlock loop (in rear for opt padlock)
	2	-Security slot (in rear for optional
		Kensington® MicroSaver® cable)
	(3) disk	Cable lock
		Power-on password Administrator password
		Hard disk password
	<u></u>	Boot sequence control
	<u> </u>	Boot without keyboard and mouse Individual USB part disablement
		Individual USB port disablement Chassis intrusion switch on selected
		model(s)
		EPEAT™ Gold rating
		ENERGY STAR 5.2-compliant
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	ULE Gold
	national holidays. Calls received after 3 pm will require an additional next business day	RoHS-compliant
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies

ThinkCentre M82 Small and Tower

ThinkCentre_®



Lenovo ThinkCentre M82 Small and Tower



Lenovo ThinkCentre M82 Tower with Lenovo ThinkVision Monitor





Lenovo ThinkCentre M82 Small



Lenovo ThinkCentre M82 Small with Lenovo ThinkVision Monitor







Lenovo ThinkCentre M82 Tower

Lenovo ThinkCentre M82 Tower

Slot x Type-model bay Processor Memory ⁸		Memory ⁸	SATA disk GB rpm	SATA optical	Media reader	Graphics	Display- Port dongle		Floor stand	ENERGY STAR 5.2		Win7 preload	Ann date (mm/dd/yy)
2032-A2G 4v3	8 G850	2GBv1 1600MHz	500G 7200	DVD+RW	None	Intel HD	None	Switch	Stand	FS52	None	Pro 64	06/05/12

• 1-year limited warranty

Positioning Processor anterprise stability and manageability and manageability and manageability may be processor in Lord 19 part of 19 part o			
Intel HD Graphics in processor, uses main memory, HDCP, DirectX* 10.1, one VGA, not DisplayPort*, supports dual independent display Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz DP dongle DP dongle SATA 6.05b/s 7200 rpm None SATA 6.05b/s 7200 rpm SATA controller Chipset Intel D7 Septem Schipset Two SATA cables (each 1-top to device), one SATA 6.05b/s connector, None SATA 6.0	Processor	Intel® Pentium® G850 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology	Genuine Windows® 7 Professional 64
Intel HD Graphics in processor, uses main memory, HDCP DirectX* 10.1, one VCA, one DisplayPort; supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz None SATA 6.00Ex 200 rpm Super Multi-Burner DL DVD_RW SATA 1.5Gb/s Drive SATA 6.00Ex 200 rpm Super Multi-Burner DL DVD_RW SATA 1.5Gb/s Drive SATA 6.00Ex 200 rpm Super Multi-Burner DL DVD_RW SATA 1.5Gb/s Drive SATA 6.00Ex 200 rpm SATA 6.			
one VGA, one DisplayPort**, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) &60Hz None Disk SATA of Coflus 7200 rpm SATA controller SATA controller SATA controller SATA controller SATA controller Chobard SATA None SATA controller SATA controller SATA cand SATA condition Media reader None Media read			
Disk SATA 6.0Gb/s 7200 rpm SATA controller Optical SATA controller None Chipset Intel Q75 Express Chipset Internal connector Vivo USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) and the controller of the controlle		one VGA, one DisplayPort™, supports dual independent display;	Preloaded applications (only some listed)
Disk Optical Optical Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive SATA controller Onboard SATA controller Onboard SATA OGB/s and SATA 6.0Gb/s, integrated in chipset Two SATA acables (each 1-drop to device), one SATA 6.0Gb/s connector, two SATA 3.0Gb/s connectors, and one eSATA connector None Media reader None None None None None None None None	DP dongle		
eSATA port Media reader None Chipset Intel Q75 Express Chipset Front ports Rear ports Rear audio ports Internal connector Rear audio ports Internal connector Audio Speaker IEEE 1394 IEEE 1394 IEEE 1394 Internal speaker for business audio None Chipset Internal connector Audio Speaker IEEE 1394 IEEE 1394 Internal speaker for business audio None Trus USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports) None Rear audio ports Internal speaker for business audio None Speaker IEEE 1394 IEEE 1394 Internal speaker for business audio None Trus USB New Speaker IEEE 1394 Intel Standard Manageability None Trusted Platform Module (TPM 1.2-compliant) Reyboard Mouse Floor Stand Power supply Abchine ■ Business black color; metal case ■ 13.3 "W X 15.2" D X 39." ■ Business black color; metal case ■ 13.3 "W X 15.2" D X 39." ■ Business black color; metal case ■ 13.3 "W X 15.2" D X 39." ■ Speaker removal Bay 2: 3.5", 1" high, no access, std disk Bay 3: 3.5", 5" high, access, opt reader Slot 1: Low Profile, 32-bit PCI 2.3 Slot 1: Low Profile, 32-bit PCI 2.3 Slot 1: Low Profile, 32-bit PCI 2.3 Intel Standard Annageability None General Profile, 32-bit PCI 2.3 Slot 1: Low Profile, 32-bit PCI 2.3 Slot 1: Low Profile, 32-bit PCI 2.3 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3 Slot 3: Low Profile, 32-bit PCI 2.3	Optical SATA controller	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector,	ThinkVantage Communication Utility ThinkVantage Power Manager View Management Utility Lenovo AppShop Lenovo Solution Center
Intel 075 Express Chipset Intel 075 Express Chipset		·	
Chipset Intel 075 Express Chipset Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort Four USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector Audio Audio Audio High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio None Internal speaker for business audio None Cone gigabit ethernet port, Intel 82579, Wake on LAN® Intel Standard Manageability None Trusted Platform Module (TPM 1.2-compliant) None Security chip None Trusted Platform Module (TPM 1.2-compliant) Keyboard Mouse Floor Stand Power supply ■ Business black color; metal case ■ 1.3 ** W x 15.2* D x 30* H ■ 3.38mm W x 385mm D x 100mm H ■ 1.5 ib (7.5 kg) in maximum configuration ■ Toolless cover flips up and tilts backward on rear hinges ■ Toolless disk and optical drive removal ■ Toolless cover flips up and tilts backward on rear hinges ■ Toolless disk and optical drive removal ■ Toolless cover flips up and tilts backward on rear hinges ■ Toolless disk and optical drive removal ■ Toolless cover flips up and tilts backward on rear hinges ■ Toolless disk and optical drive removal ■ Toolless cover flips up and tilts backward on rear hinges ■ Toolless disk and optical drive removal ■ Toolless cover flips up and tilts backward on rear hinges ■ Toolless disk and optical drive removal ■ Toolless cover flips up and tilts backward on rear hinges ■ Toolless disk and optical drive removal ■ Toolless cover flips up and tilts backward on rear hinges ■ Toolless over flips up and tilts backward on rear hinges ■ Toolless over flips up and tilts backward on rear hinges ■ Toolless over flips up and tilts backward on rear hinges ■ Toolless over flips up and tilts backward on rear hinges ■ Toolless over flips up and tilts backward on rear hinges ■ Toolless over flips up and tilts backward on rear hinges ■			
Rear ports Rear audio port Line-in (stere), 3.5mm), line-out (stere),	Chipset	· · · · · · · · · · · · · · · · · · ·	(30 days of virus definitions)
EIEE 1394 EIEEE 1394 IEEE 1394 IEEE 1394 IEEE 1394 IEEE 1394 INOne One gigabit ethernet port, Intel 82579, Wake on LAN® Manageability Modem None Security chip Trusted Platform Module (TPM 1.2-compliant) Keyboard Mouse Fishor Stand Power supply Achieve 1920 Machine ■ Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo System floor stand for vertical orientation 240 watts, autosensing, 85% PSU Machine ■ Business black color; metal case 13.3" W X 15.2" TX 3.9" H 16.16.5 b (7.5 kg) in maximum configuration 17 oriolless disk and optical drive removal 10 Toolless disk and optical drive removal 10 Security soft (in rear for attachment of optional keeningtons in removal removal removal removal removal removal removal removal	Rear ports Rear audio ports Internal connector	Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector	Skype™ for Windows Windows Live™ Essentials Microsoft® Office preloaded; purchase a product key to activate Corel® Burn.Now™ (DVD±RW)
Ethernet Manageability Manageability Modem Security chip Fristed Platform Module (TPM 1.2-compliant) Trusted Platform Module (TPM 1.2-compliant) Trusted Platform Module (TPM 1.2-compliant) Fristed P	Speaker	Internal speaker for business audio	Corel DVD MovieFactory® (DVD±RW)
None Security chip Trusted Platform Module (TPM 1.2-compliant)		One gigabit ethernet port, Intel 82579, Wake on LAN®	
Security chip Trusted Platform Module (TPM 1.2-compliant)			
Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo System floor stand for vertical orientation 240 watts, autosensing, 85% PSU			
Mouse Enhanced Optical USB Mouse, black, Lenovo logo Floor Stand System floor stand for vertical orientation Power supply 240 watts, autosensing, 85% PSU Machine ■ Business black color; metal case • 13.3* W X 15.2* D X 3.9* H • 338mm W X 385mm D X 100mm H • 16.5 lb (7.5 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless disk and optical drive removal • Toolless dadpter retention Bay 1: 5.25°, 1.6* high, access, std optical Bay 2: 3.5°, 1* high, no access, std optical Bay 2: 3.5°, 1* high, no access, std disk Bay 3: 3.5°, 5* high, access, opt reader Slot 1: Low Profile, PCI Express 2.0 x16 (45w max) Slot 2: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3 Indiest Optical I			-
Power supply 240 watts, autosensing, 85% PSU Machine Business black color; metal case 13.3" W X 15.2" D X 3.9" H 338mm W X 385mm D X 100mm H 16.5 lb (7.5 kg) in maximum configuration Toolless cover flips up and tilts backward on rear hinges Toolless adapter retention Bay Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std odisk Bay 3: 3.5", 5" high, access, opt reader Slot 1: Low Profile, PCle 2.0 x1 Slot 3: Low Profile, PCle 2.0 x1 Slot 4: Low Profile, 32-bit PCl 2.3 Slot 4: Low Profile, 32-bit PCl 2.3 Slot 4: Low Profile, 32-bit PCl 2.3 Slot 4: Low Profile, 32-bit PCl 2.3 Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold GREENGUARD® certified RoHS-compliant			
## Business black color; metal case 13.3" W X 15.2" D X 3.9" H 338mm W X 385mm D X 100mm H 16.5 lb (7.5 kg) in maximum configuration Toolless cover flips up and tilts backward on rear hinges Toolless disk and optical drive removal Toolless adapter retention Bay Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 3.5", 5" high, access, opt reader Slot 1: Low Profile, PCle Express 2.0 x16 (45w max) Slot 2: Low Profile, PCle 2.0 x1 Slot 3: Low Profile, 32-bit PCl 2.3 Slot 4: Low Profile, 32-bit PCl 2.3 ### Optical ### Op		•	
• 13.3" W X 15.2" D X 3.9" H • 338mm W X 385mm D X 100mm H • 16.5 lb (7.5 kg) in maximum configuration • Toolless cover flips up and tilts backward on rear hinges • Toolless dapter retention Bay Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std optical Bay 3: 3.5", 5" high, access, opt reader Slot Slot 1: Low Profile, PCI Express 2.0 x16 (45w max) Slot 2: Low Profile, PCI Express 2.0 x16 (45w max) Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3 Slot 5: Low Profile, 32-bit PCI 2.3 Slot 6: Low Profile, 32-bit PCI 2.3 Slot 7: Low Profile, 32-bit PCI 2.3 Slot 6: Low Profile, 32-bit PCI 2.3 Slot 6: Low Profile, 32-bit PCI 2.3 Slot 7: Low Profile, 32-bit PCI 2.3 Slot 8: Low Profile, 32-bit PCI 2.3 Slot 9: Security chip (see information on left) Security Securit			_
Bay 1: 5.25°, 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 3.5", 5" high, no access, opt reader Slot Slot 1: Low Profile, PCI Express 2.0 x16 (45w max) Slot 2: Low Profile, PCI e 2.0 x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3 Idisk optical Optical	Machine	 13.3" W X 15.2" D X 3.9" H 338mm W X 385mm D X 100mm H 16.5 lb (7.5 kg) in maximum configuration Toolless cover flips up and tilts backward on rear hinges Toolless disk and optical drive removal Toolless adapter retention 	
Slot 1: Low Profile, PCI Express 2.0 x16 (45w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3 disk	Bay	Bay 2: 3.5", 1" high, no access, std disk	Securitý slot (in rear for attachment of optional Kensington® MicroSaver®
	Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (45w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, 32-bit PCI 2.3	Cablé lock Power-on password Administrator password Hard disk password Boot sequence control
ENERGY STAR® 5.2-compliant ULE Gold GREENGUARD® certified RoHS-compliant			Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating
Limited Warranty 1-year, customer carry-in service / service upgrades available Supports ThinkVantage Technologies			ENERGY STAR® 5.2-compliant ULE Gold GREENGUARD® certified
	Limited Warranty	1-year, customer carry-in service / service upgrades available	Supports ThinkVantage Technologies

Slot x Type-model bay Processor		Memory ⁸	Display- SATA disk SATA Media Port Chassis Floor ENERGY Win7 Ar GB rpm optical reader Graphics dongle intr switch stand STAR 5.2 Global preload <i>(mr</i>											
2756-A1G 4x3	i3-2130	4GBx1 1600MHz	500G 7200	DVD±RW	None	HD 2000	None	Switch	Stand	ES52	None	Pro 32	06/05/12	
2756-B7G 4x3	G850	2GBx1 1600MHz	500G 7200	DVD±RW	None	Intel HD	None	Switch	Stand	ES52	None	Pro 64	06/05/12	
2756-H9G 4x3	i3-2120	4GBx1 1600MHz	500G 7200	DVD±RW	None	HD 2000	None	Switch	None	ES52	None	Pro 64	06/26/12	

• 3-year limited warranty

Positioning Processor	Mainstream enterprise stability and manageability Intel® Pentium® G850 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core™ i3-2120 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i3-2130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology	Preloaded operating system Some: Genuine Windows® 7 Professional 32 Some: Genuine Windows 7 Professional 64 Ready to install applications (only some listed) ● Rescue and Recovery™ ● Password Manager Preloaded applications (only some listed)
Implementation	Processor in LGA1155 socket	ThinkVantage® Product Recovery
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	ThinkVantage System Update ThinkVantage Communication Utility
Graphics	Intel HD Graphics or Intel HD Graphics 2000 in processor, uses main memory, HDCP, DirectX [®] 10.1, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	ThinkVantage Communication Utility ThinkVantage Power Manager View Management Utility Lenovo AppShop
DP dongle	None	Lenovo Solution Center
Disk Optical SATA controller Onboard SATA	SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector, two SATA 3.0Gb/s connectors, and one eSATA connector	Lenovo Message Center Plus Lenovo Simple Tap Norton™ Internet Security (30 days of virus definitions) Adobe® Reader®
eSATA port	None	Skype™ for Windows Windows Live™ Essentials
Media reader	None	Microsoft® Office preloaded;
Chipset	Intel Q75 Express Chipset	purchase a product key to activate Corel® Burn.Now™ (DVD±RW)
Front ports Rear ports Rear audio ports Internal connector	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector	Corel DVD MovieFactory® (DVD±RW)
Audio Speaker IEEE 1394	High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio None	
Ethernet Manageability Modem	One gigabit ethernet port, Intel 82579, Wake on LAN® Intel Standard Manageability None	
Security chip	Trusted Platform Module (TPM 1.2-compliant)	
Keyboard Mouse	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo	
Floor Stand	Some: System floor stand for vertical orientation	
Power supply	240 watts, autosensing, 85% PSU	Security Security chip (see information on left)
Machine	 Business black color; metal case 13.3" W X 15.2" D X 3.9" H 338mm W X 385mm D X 100mm H 16.5 lb (7.5 kg) in maximum configuration Toolless cover flips up and tilts backward on rear hinges Toolless disk and optical drive removal Toolless adapter retention 	Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Cable lock Power-on password Administrator password Hard disk password
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 3.5", .5" high, access, opt reader	Boot sequence control Boot without keyboard and mouse Individual USB port disablement
Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (45w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3	Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR 5.2-compliant ULE Gold
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies
		,,,

Slot x Type-model bay Processor Memory ⁸			SATA disk GB rpm	SATA optical	Media reader		Display- Port dongle	Chassis intr switch	Floor stand	ENERGY STAR 5.2		Win7 preload	Ann date (mm/dd/yy)
2756-N2G 4x3	i3-3220	4GBy1 1600MHz	500G 7200	DVD+RW	None	HD 2500	None	Switch	Stand	ES52	None	Pro 64	09/11/12

• 3-year limited warranty

Positioning Processor	Mainstream enterprise stability and manageability Intel® Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2500,	Preloaded operating system Genuine Windows® 7 Professional 64
Implementation	integrated 1600MHz dual-channel DDR3 memory controller Processor in LGA1155 socket	Ready to install applications (only some
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	listed)
Graphics DP dongle Disk	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA)@60Hz None SATA 6.0Gb/s 7200 rpm	 Rescue and Recovery™ Password Manager Preloaded applications (only some listed) ThinkVantage® Product Recovery ThinkVantage System Update
Optical SATA controller Onboard SATA	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector, two SATA 3.0Gb/s connectors, and one eSATA connector	ThinkVantage Communication Utility ThinkVantage Power Manager View Management Utility Lenovo AppShop Lenovo Solution Center
eSATA port Media reader	None None	Lenovo Message Center Plus Lenovo Simple Tap
Chipset	Intel Q75 Express Chipset	 Norton™ Internet Security
Front ports Rear ports Rear audio ports Internal connector	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector	(30 days of virus definitions) • Adobe® Reader® • Skype™ for Windows • Windows Live™ Essentials • Microsoft® Office preloaded; purchase a product key to activate
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	Corel® Burn.Now™ (DVD±RW)
Speaker IEEE 1394	Internal speaker for business audio None	Corel DVD MovieFactory® (DVD±RW)
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	
Manageability Modem	Intel Standard Manageability	
Security chip	None Trusted Platform Module (TPM 1.2-compliant)	
Keyboard Mouse Floor Stand Power supply	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo System floor stand for vertical orientation 240 watts, autosensing, 85% PSU	
Machine	Business black color; metal case	-
Wacillio	13.3" W X 15.2" D X 3.9" H 338mm W X 385mm D X 100mm H 16.5 lb (7.5 kg) in maximum configuration Toolless cover flips up and tilts backward on rear hinges Toolless disk and optical drive removal Toolless adapter retention	
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 3.5", .5" high, access, opt reader	Security Security chip (see information on left) Security slot (in rear for attachment of
Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (45w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3	optional Kensington® MicroSaver® cable) • Cable lock • Power-on password • Administrator password • Hard disk password
	disk optical	Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s) EPEATIM Gold rating
		EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies
	io. col vice disputeri / col vice apgrades available	Capports Thirtx variage reciliologies

	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	SATA optical	Media reader	Graphics	Display- Port dongle	Chassis intr switch	Floor stand	ENERGY STAR 5.2	Global	Preload	Ann date (mm/dd/yy)
	<u> </u>			•	•		•							
2756-K1G	4x3	i3-3220	4GBx1	500G 7200	DVD±RW	None	HD 2500	None	Switch	None	ES52	None	Win8 Pro64	10/23/12
2756-N1G	4x3	i3-3220	4GBx1	500G 7200	DVD±RW	None	HD 2500	None	Switch	None	ES52	None	Win7 Pro64	10/23/12
2756-DCG	4x3	i5-3470	4GBx1	500G 7200	DVD±RW	None	HD 2500	None	Switch	Stand	ES52	None	Win7 Pro64	03/05/13
2756-HAG	4x3	i3-3240	4GBx1	500G 7200	DVD±RW	None	HD 2500	None	Switch	None	ES52	None	Win7 Pro64	05/28/13
2756-HBG	4x3	i3-3240	4GBx1	500G 7200	DVD±RW	Media	HD 2500	None	Switch	None	ES52	None	Win7 Pro64	05/28/13
2756-HCG	4x3	i5-3470	4GBx1	500G 7200	DVD±RW	Media	HD 2500	None	Switch	Stand	ES52	None	Win7 Pro64	05/28/13

•3-year limited warranty

Positioning Processor	Mainstream enterprise stability and manageability Intel® Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache),	Preloaded operating system
FIOCESSOI	integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Intel Core i3-3240 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), integrated Intel HD Graphics 2500,	Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Some: Windows 8 Pro 64-bit
	integrated 1600MHz dual-channel DDR3 memory controller Intel Core i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,	Preloaded applications (only some listed) - Windows 7 models ThinkVantage® Product Recovery
Implementation	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	ThinkVantage Product Recovery ThinkVantage Communication Utility ThinkVantage Power Manager
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	Lenovo® AppShop
Graphics DP dongle	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA)@60Hz None	 Lenovo Message Center Plus Lenovo Simple Tap Adobe® Reader® Windows Live™ Essentials
Disk	SATA 6.0Gb/s 7200 rpm	Corel® Burn.Now™ (DVD±RW) (DVD±RW)
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	Corel DVD MovieFactory® (DVD±RW) Windows 9 models
SATA controller Onboard SATA	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector, two SATA 3.0Gb/s connectors, and one eSATA connector	Windows 8 models Lenovo Support Lenovo Companion Lenovo Companion
eSATA port Media reader	None Some: 29-in-1 media reader, internal USB 2.0	Lenovo Cloud Storage Norton™ Studio
Chipset	Intel Q75 Express Chipset	AccuWeather Evernote®
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Cyberlink Power2Go (DVD±RW)
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort	Cyberlink PowerProducer (DVD±RW)
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	- All models
	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector	ThinkVantage System Update Lenovo Solution Center
Audio	High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio	View Management Utility Norton Internet Security
Speaker IEEE 1394	None	(30 days of virus definitions)
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	Microsoft® Office preloaded; purely and a product key to activate.
Manageability	Intel Standard Manageability	purchase a product key to activate ■ Skype [™]
Modem Security chip	None Trusted Platform Module (TPM 1.2-compliant)	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Floor Stand	Some: System floor stand for vertical orientation	
Power supply	240 watts, autosensing, 85% PSU	
Machine	 Business black color; metal case 13.3" W X 15.2" D X 3.9" H 338mm W X 385mm D X 100mm H 16.5 lb (7.5 kg) in maximum configuration Toolless cover flips up and tilts backward on rear hinges Toolless disk and optical drive removal 	Security Security (see information on left) Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
5	Toolless adapter retention	Cable lock Power-on password
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk	Administrator password Hard disk password
Slot	Bay 3: 3.5", .5" high, access, opt reader Slot 1: Low Profile, PCI Express 2.0 x16 (45w max)	Boot sequence control
O.O.	Slot 2: Low Profile, PCle 2.0 x1 Slot 3: Low Profile, 32-bit PCl 2.3 Slot 4: Low Profile, 32-bit PCl 2.3	Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s)
		EPEAT™ Gold rating ENERGY STAR® 5.2-compliant
		ULE Gold
Limited Warranty	3-years , limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day	GREENGUARD® certified RoHS-compliant
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies

Slot x Type-model bay Processor		Memory ⁸	SATA disk GB rpm	SATA optical	Media reader		Display Port dongle	Global (0 GMP (P	G) Win7) preload	Ann date (mm/dd/yy)			
2929-A1G 4x3	i5-3550	4GBx1 1600MHz	500G 7200	DVD±RW	None	HD 2500	None	None	Stand	ES52	GΡ	Pro 64	06/05/12
2929-B1G 4x3	i5-3470	4GBx1 1600MHz	500G 7200	DVD±RW	None	HD 2500	None	None	Stand	ES52	GΡ	Pro 64	06/19/12
2929-D1G 4x3	i5-3570	4GBx1 1600MHz	500G 7200	DVD±RW	None	HD 2500	None	None	Stand	ES52	GΡ	Pro 64	08/14/12

[•] Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning	Mainstream enterprise stability and manageability	Preloaded operating system
Processor	Mainstream enterprise stability and manageability Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i5-3550 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i5-3570 Processor (4 cores / 4 threads, 3.4GHz, 6MB cache), Turbo Boost 2.0 (3.8GHz), integrated Intel HD Graphics 2500,	Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) ■ Rescue and Recovery™ ■ Password Manager
	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Preloaded applications (only some listed)
Implementation	Processor in LGA1155 socket	ThinkVantage® Product Recovery ThinkVantage System Update
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	ThinkVantage System Opdate ThinkVantage Communication Utility
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA)@60Hz	ThinkVantage Power ManagerView Management UtilityLenovo AppShop
DP dongle	None	Lenovo Solution Center
Disk Optical SATA controller Onboard SATA	SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector,	Lenovo Message Center Plus Lenovo Simple Tap Norton™ Internet Security (30 days of virus definitions) Adobe® Reader®
eSATA port	two SATA 3.0Gb/s connectors, and one eSATA connector None	 Skype[™] for Windows
Media reader	None	 Windows Live™ Essentials Microsoft® Office preloaded;
Chipset	Intel Q75 Express Chipset	purchase a product key to activate • Corel® Burn.Now™ (DVD±RW)
Audio Speaker IEEE 1394 Ethernet Manageability Modem Security chip Keyboard Mouse Floor Stand	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio None One gigabit ethernet port, Intel 82579, Wake on LAN® Intel Standard Manageability None Trusted Platform Module (TPM 1.2-compliant) Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo System floor stand for vertical orientation 240 watts, autosensing, 85% PSU	Corel DVD MovieFactory® (DVD±RW)
Power supply Machine	Business black color; metal case 13.3" W X 15.2" D X 3.9" H 338mm W X 385mm D X 100mm H 16.5 lb (7.5 kg) in maximum configuration Toolless cover flips up and tilts backward on rear hinges Toolless disk and optical drive removal Toolless adapter retention	Security Security (see information on left) Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Cable lock Power-on password
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 3.5", .5" high, access, opt reader	Administrator password Hard disk password Boot sequence control
Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (45w max) Slot 2: Low Profile, PCI e 2.0 x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3	Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

Slot x Type-model bay Processo	or Memory ⁸	Display- SATA disk SATA Media Port Chassis Floor ENERGY Global (G) GB rpm optical reader Graphics dongle intr switch stand STAR 5.2 GMP (P)						G)) Preload	Ann date (mm/dd/yy)		
2929-C1G 4x3 i5-3470								ES52		Win8 Pro64	
2929-E1G 4x3 i5-3470	4GBx1 1600MHz	500G 7200	DVD±RW	None HD 2500	None	None	Stand	ES52	GΡ	Win7 Pro64	10/23/12

• Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

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Positioning Processor	Mainstream enterprise stability and manageability Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Preloaded operating system Some: Windows® 7 Professional 64 preinstalled through downgrade
Implementation	Processor in LGA1155 socket	rights in Windows 8 Pro 64-bit Some: Windows 8 Pro 64-bit
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	Preloaded applications (only some listed)
Graphics DP dongle Disk	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz None SATA 6 0Gb/c 7200 rpm	Windows 7 models ThinkVantage® Product Recovery ThinkVantage Communication Utility ThinkVantage Power Manager
Optical	SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	Lenovo® AppShop Lenovo® AppShop Lenovo® AppShop
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset	Lenovo Message Center Plus Lenovo SimpleTap
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector, two SATA 3.0Gb/s connectors, and one eSATA connector	Adobe® Reader® Windows Live™ Essentials
eSATA port	None	 Corel® Burn.Now™ (DVD±RW) Corel DVD MovieFactory® (DVD±RW)
Media reader	None	- Windows 8 models
Chipset	Intel Q75 Express Chipset	
	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector	Lenovo Support Lenovo Companion Lenovo Cloud Storage Norton™ Studio AccuWeather Evernote®
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	Cyberlink Power2Go (DVD±RW)
Speaker IEEE 1394	Internal speaker for business audio None	Cyberlink PowerProducer (DVD±RW)
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	- All models
Manageability	Intel Standard Manageability	ThinkVantage System Update
Modem	None	Lenovo Solution Center View Management Utility
Security chip	Trusted Platform Module (TPM 1.2-compliant)	Norton Internet Security
Keyboard Mouse Floor Stand Power supply	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo System floor stand for vertical orientation 240 watts, autosensing, 85% PSU	(30 days of virus definitions) • Microsoft® Office preloaded; purchase a product key to activate • Skype™
Machine	 Business black color; metal case 13.3" W X 15.2" D X 3.9" H 338mm W X 385mm D X 100mm H 16.5 lb (7.5 kg) in maximum configuration Toolless cover flips up and tilts backward on rear hinges Toolless disk and optical drive removal Toolless adapter retention Bay 1: 5.25", 1.6" high, access, std optical 	
Бау	Bay 2: 3.5", 1" high, access, std disk Bay 3: 3.5", 1" high, access, opt reader	Security
Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (45w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3	Security chip (see information on left) Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Cable lock Power-on password Administrator password
	disk optical	Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s)
		EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold
Limited Warranty	3-years , limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day	GREENGUARD® certified RoHS-compliant
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies

	Slot x Type-model bay Processor Memory®				SATA optical	Media reader Graphics		Display- Chassis Port intrusion ENERGY dongle switch STAR 5.2 Global				Win7 Ann date preload (mm/dd/yy)	
2750-A2G 4x5 2750-A3G 4x5		2GBx1 1600MHz 2GBx1 1600MHz		,									06/05/12 06/05/12

• 1-year limited warranty

Positioning Processor	Mainstream enterprise stability and manageability Intel® Pentium® G850 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache),	Preloaded operating system Genuine Windows® 7
	integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology	Professional 64
	Intel Core™ i3-2120 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache),	Ready to install applications (only some listed)
	integrated Intel HD Graphics 2000,	■ Rescue and Recovery [™]
Implementation	integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	Password Manager
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	Preloaded applications (only some listed)
Graphics	Intel HD Graphics or Intel HD Graphics 2000 in processor, uses main memory, HDCP,	ThinkVantage® Product Recovery ThinkVantage System Update
	DirectX [®] 10.1, one VGA, one DisplayPort™, supports dual independent display;	 ThinkVantage Communication Utility
DP dongle	Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz None	ThinkVantage Power Manager View Management Utility
Disk	SATA 6.0Gb/s 7200 rpm	Lenovo AppShop Lenovo Solution Center
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	Lenovo Message Center Plus
SATA controller Onboard SATA	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector,	 Lenovo Simple Tap Norton™ Internet Security
	two SATA 3.0Gb/s connectors, and one eSATA connector	(30 days of virus definitions)
eSATA port Media reader	None None	Adobe® Reader® Skype™ for Windows
Chipset	Intel Q75 Express Chipset	 Windows Live™ Essentials
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Microsoft® Office preloaded; purchase a product key to activate
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort	Corel® Burn.Now™ (DVD±RW)
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports),	Corel DVD MovieFactory® (DVD±RW)
internal connector	one internal DisplayPort connector	
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	
Speaker IEEE 1394	Internal speaker for business audio None	
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	
Manageability	Intel Standard Manageability	
Modem	None Trusted Platform Module (TPM 1.2 compliant)	
Security chip Keyboard	Trusted Platform Module (TPM 1.2-compliant) Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Power supply	280 watts, autosensing, 85% PSU	
Machine	 Business black color; metal case 6.9" W X 17.4" D X 16.3" H 	
	• 175mm W X 442mm D X 414mm H	Security
	 24.2 lb (11.0 kg) in maximum configuration Toolless cover removal, toolless adapter retention 	Security chip (see information on left) One lock to secure both cover and
	Toolless cover removal, toolless adapter retention Toolless disk, optical drive removal	entire system to fixed object:
Bay	Bay 1: 5.25", 1.6" high, access, std optical	-Padlock loop (in rear for opt padlock) -Security slot (in rear for optional
	Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader	Kensington® MicroSaver® cable)
	Bay 4: 3.5", 1" high, no access, std disk	Cable lock Power-on password
Slot	Bay 5: 3.5", 1" high, no access, opt disk Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max)	Hard disk password
Ciot	Slot 2: half-length, full-height, PCle 2.0 x1	Boot sequence control Boot without keyboard and mouse
	Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3	Serial port I/O control
	Side in that foriging of birt of 2.0	Individual USB port disablement Chassis intrusion switch on selected
		model(s)
		EPEAT™ Gold rating
		ENERGY STAR® 5.2-compliant ULE Gold
		GREENGUARD® certified
Limited Warranty	1-year, customer carry-in service / service upgrades available	RoHS-compliant Supports ThinkVantage Technologies
	- ,,	Cupports Thirtx variage Technologies

Slot x Type-model bay Processor Me		Memory ⁸	SATA disk 2 GB rpm	nd Disk Bay	SATA optical	Media Display- Chassis Port intrusion ENERGY reader Graphics dongle switch STAR 5.2 Globa					! Global	Win7 Ann date preload (mm/dd/yy)		
2697-A1G 4x5	i3-2130	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	None	HD 2000	None	Switch	ES52	None	Pro 64	06/05/12	
2697-B5G 4x5	G850	2GBx1 1600MHz	500G 7200	Bay	DVD±RW	None	Intel HD	None	Switch	ES52	None	Pro 64	06/05/12	
2697-G6G 4x5	i3-2120	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	None	HD 2000	None	Switch	ES52	None	Pro 64	06/26/12	

•3-year limited warranty

Positioning Processor	Mainstream enterprise stability and manageability Intel® Pentium® G850 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core™ i3-2120 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache),	Preloaded operating system Genuine Windows® 7 Professional 64 Professional formula applications (only some
Implementation	integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i3-2130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	 Rescue and Recovery™ Password Manager Preloaded applications (only some listed) ThinkVantage® Product Recovery ThinkVantage System Update ThinkVantage Communication Utility
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	 ThinkVantage Power Manager
Graphics DP dongle	Intel HD Graphics or Intel HD Graphics 2000 in processor, uses main memory, HDCP, DirectX [®] 10.1, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort, VGA) @ 60Hz None	 View Management Utility Lenovo AppShop Lenovo Solution Center Lenovo Messale Center Plus
Disk Optical SATA controller Onboard SATA	SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector, two SATA 3.0Gb/s connectors, and one eSATA connector	 Lenovo SimpleTap Norton™ Internet Security (30 days of virus definitions) Adobe® Reader® Skype™ for Windows Windows Live™ Essentials
eSATA port Media reader	None None	 Microsoft® Office preloaded; purchase a product key to activate Corel® Burn.Now™ (DVD±RW)
Chipset	Intel Q75 Express Chipset	 Corel DVD MovieFactory® (DVD±RW)
Front ports Rear ports Rear audio ports Internal connector Audio	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector High Definition (HD) Audio, Realtek® ALC662 codec	
Speaker IEEE 1394 Ethernet Manageability Modem Security chip	Internal speaker for business audio None One gigabit ethernet port, Intel 82579, Wake on LAN® Intel Standard Manageability None Trusted Platform Module (TPM 1.2-compliant)	
Keyboard Mouse Power supply	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo 280 watts, autosensing, 85% PSU	Security • Security chip (see information on left)
Machine	Business black color; metal case 6.9" W X 17.4" D X 16.3" H 175mm W X 442mm D X 414mm H 24.2 lb (11.0 kg) in maximum configuration Toolless cover removal, toolless adapter retention Toolless disk, optical drive removal optical	One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable) Cable lock
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk	Power-on password Hard disk password Boot sequence control Boot without keyboard and mouse Serial port I/O control
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3	Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold
Limited Warranty	3-years , limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

Slot x Type-model bay Processor Memory ⁸				SATA optical	Media reader Graphics		Display- Chassis Port intrusion ENERGY dongle switch STAR 5.2 Global			Win7 Ann date preload (mm/dd/yy)		
	4GBx1 1600MHz 4GBx1 1600MHz										07/10/12 09/11/12	

•3-year limited warranty

Positioning Processor	Mainstream enterprise stability and manageability Intel® Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Intel Core i5-3550 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) ■ Rescue and Recovery™
Implementation	Processor in LGA1155 socket	Password Manager
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	Preloaded applications (only some listed)
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX [®] 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	 ThinkVantage® Product Recovery ThinkVantage System Update ThinkVantage Communication Utility
DP dongle	None	ThinkVantage Power Manager
Disk Optical SATA controller Onboard SATA eSATA port	SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector, two SATA 3.0Gb/s connectors, and one eSATA connector None	View Management Utility Lenovo AppShop Lenovo Solution Center Lenovo Message Center Plus Lenovo SimpleTap Norton™ Internet Security (20 days of virus definitions)
Media reader	None	(30 days of virus definitions) • Adobe® Reader®
Chipset	Intel Q75 Express Chipset	 Skype™ for Windows
Front ports Rear ports Rear audio ports Internal connector Audio	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector High Definition (HD) Audio, Realtek® ALC662 codec	 Windows Live™ Essentials Microsoft® Office preloaded; purchase a product key to activate Corel® Burn.Now™ (DVD±RW) Corel DVD MovieFactory® (DVD±RW)
Speaker	Internal speaker for business audio	
IEEE 1394 Ethernet Manageability Modem	None One gigabit ethernet port, Intel 82579, Wake on LAN® Intel Standard Manageability None	
Keyboard Mouse Power supply	Trusted Platform Module (TPM 1.2-compliant) Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo 280 watts, autosensing, 85% PSU	
Machine	Business black color; metal case 6.9" W X 17.4" D X 16.3" H 175mm W X 442mm D X 414mm H 24.2 lb (11.0 kg) in maximum configuration Toolless cover removal, toolless adapter retention Toolless disk, optical drive removal	Security Security chip (see information on left) One lock to secure both cover and
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk optical	entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable) • Cable lock • Power-op password
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3 (3) (disk) (1) (5)	Power-on password Hard disk password Boot sequence control Boot without keyboard and mouse Serial port I/O control Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold
Limited Warranty	3-years , limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

ThinkCentre M82 Tower (2697) - ES 5.2 (Win 8)

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	2nd Disk Bay	SATA optical	Media reader	Graphics	Display- Port dongle	Chassis intrusion switch	ENERGY STAR 5.2	Global	Preload	Ann date (mm/dd/yy)
2697-J1G	4x5	i3-3220	4GBx1	500G 7200	Bay	DVD±RW	None	HD 2500	None	Switch	ES52	None	Win8 Pro64	10/23/12
2697-L1G	4x5	i3-3220	4GBx1	500G 7200	Bay	DVD±RW	None	HD 2500	None	Switch	ES52	None	Win7 Pro64	10/23/12
2697-AAG	4x5	i5-3470	4GBx1	500G 7200	Bay	DVD±RW	None	HD 2500	None	Switch	ES52	None	Win7 Pro64	03/05/13
2697-BAG	4x5	i3-3240	4GBx1	500G 7200	Bay	DVD±RW	None	HD 2500	None	Switch	ES52	None	Win7 Pro64	05/28/13
2697-BBG	4x5	i3-3240	4GBx1	500G 7200	Bay	DVD±RW	Media	HD 2500	None	Switch	ES52	None	Win7 Pro64	05/28/13
2697-BCG	4x5	i5-3470	4GBx1	500G 7200	Bay	DVD±RW	Media	HD 2500	None	Switch	ES52	None	Win7 Pro64	05/28/13

•3-year limited warranty

Positioning	Mainstream enterprise stability and manageability	Preloaded operating system			
Processor	Intel® Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Intel Core i3-3240 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Intel Core i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Some: Windows 8 Pro 64-bit Preloaded applications (only some listed) - Windows 7 models • ThinkVantage® Product Recovery • ThinkVantage Communication Utility			
Implementation	Processor in LGA1155 socket	ThinkVantage Communication Stilly ThinkVantage Power Manager			
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	Lenovo® AppShop			
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX [®] 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	Lenovo Message Center Plus Lenovo SimpleTap Adobe® Reader® Mindere Lind Faccations			
DP dongle	None	 Windows Live™ Essentials Corel® Burn.Now™ (DVD±RW) 			
Disk Optical SATA controller Onboard SATA	SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector, two SATA 3.0Gb/s connectors, and one eSATA connector	Corel DVD MovieFactory® (DVD±RW) Windows 8 models Lenovo Support Lenovo Companion Lenovo Cloud Storage			
eSATA port Media reader	None Some: 29-in-1 media reader, internal USB 2.0	Norton™ Studio			
Chipset	Intel Q75 Express Chipset	AccuWeather Evernote®			
Audio Speaker IEEE 1394 Ethernet Manageability	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio None One gigabit ethernet port, Intel 82579, Wake on LAN® Intel Standard Manageability	Cyberlink Power2Go (DVD±RW) Cyberlink PowerProducer (DVD±RW) All models ThinkVantage System Update Lenovo Solution Center View Management Utility Norton Internet Security (30 days of virus definitions) Microsoft⁵ Office preloaded; purchase a product key to activate Skype™			
Modem Security chip	None Trusted Platform Module (TPM 1.2-compliant)				
Keyboard Mouse Power supply	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo 280 watts, autosensing, 85% PSU				
Machine	Business black color; metal case 6.9" W X 17.4" D X 16.3" H 175mm W X 442mm D X 414mm H 24.2 lb (11.0 kg) in maximum configuration Toolless cover removal, toolless adapter retention Toolless disk, optical drive removal	Security Security chip (see information on left) One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional)			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk	Kensington® MicroSaver® cable) Cable lock Power-on password Hard disk password Boot sequence control Boot without keyboard and mouse			
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3	Serial port I/O control Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold			
Limited Warranty	3-years , limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	GREENGUARD® certified			

Slo Type-model ba		Memory ⁸	SATA disk GB rpm	2nd Disk Bay	SATA optical	Media reader	Graphics	Port	Chassis intrusion switch	ENERGY	Global (G) GMP (P)	Win7 preload	Ann date (mm/dd/yy)
2742-A1G 4x	5 i5-3550	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	None	HD 2500	None	None	ES52	GΡ	Pro 64	06/05/12
2742-B1G 4x	5 i5-3470	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	None	HD 2500	None	None	ES52	GΡ	Pro 64	06/19/12
2742-D1G 4x	5 i5-3570	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	None	HD 2500	None	None	ES52	GΡ	Pro 64	08/14/12

• Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning Processor	Mainstream enterprise stability and manageability Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i5-3550 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i5-3570 Processor (4 cores / 4 threads, 3.4GHz, 6MB cache), Turbo Boost 2.0 (3.8GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) ■ Rescue and Recovery™ ■ Password Manager Preloaded applications (only some listed)
Implementation	Processor in LGA1155 socket	 ThinkVantage® Product Recovery ThinkVantage System Update
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	Think variage System Opdate Think Vantage Communication Utility
Graphics DP dongle	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA)@60Hz None	ThinkVantage Power ManagerView Management UtilityLenovo AppShop
		Lenovo Solution Center Lenovo Message Center Plus
Disk Optical SATA controller Onboard SATA	SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector, two SATA 3.0Gb/s connectors, and one eSATA connector	 Lenovo Message Certer Plus Lenovo SimpleTap Norton™ Internet Security (30 days of virus definitions) Adobe® Reader® Skype™ for Windows
eSATA port	None	 Windows Live™ Essentials
Media reader	None	Microsoft® Office preloaded; purchase a product key to activate
	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports),	Corel® Burn.Now™ (DVD±RW) Corel DVD MovieFactory® (DVD±RW)
Audio Speaker IEEE 1394 Ethernet Manageability	one internal DisplayPort connector High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio None One gigabit ethernet port, Intel 82579, Wake on LAN® Intel Standard Manageability	
Modem	None	
Security chip	Trusted Platform Module (TPM 1.2-compliant)	
Keyboard Mouse Power supply	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo [®] logo Enhanced Optical USB Mouse, black, Lenovo logo 280 watts, autosensing, 85% PSU	Security
Machine	Business black color; metal case 6.9" W X 17.4" D X 16.3" H 175mm W X 442mm D X 414mm H 24.2 lb (11.0 kg) in maximum configuration Toolless cover removal, toolless adapter retention Toolless disk, optical drive removal	Security chip (see information on left) One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable)
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk	Cable lock Power-on password Hard disk password Boot sequence control Boot without keyboard and mouse
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3	Serial port I/O control Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating
	<u> </u>	ENERGY STAR® 5.2-compliant
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day	ULE Gold GREENGUARD® certified RoHS-compliant
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies

Slot x Type-model bay		Memory ⁸	SATA disk 2 GB rpm	2nd Dis Bay		Media reader	Graphics	Port	- Chassis intrusior switch	ENERGY STAR 5.2	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
2742-C1G 4x5	i5-3470	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	None	HD 2500	None	None	ES52	GΡ	Win8 Pro64	10/23/12
2742-E1G 4x5	i5-3470	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	None	HD 2500	None	None	ES52	GΡ	Win7 Pro64	10/23/12

• Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning	Mainstream enterprise stability and manageability	Preloaded operating system
Processor	Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,	Some: Windows® 7 Professional 64
	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	preinstalled through downgrade
Implementation	Processor in LGA1155 socket	rights in Windows 8 Pro 64-bit Some: Windows 8 Pro 64-bit
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11,	Preloaded applications (only some listed) - Windows 7 models
5ap5	one VGA, one DisplayPort™, supports dual independent display;	ThinkVantage® Product Recovery
DP dongle	Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz None	ThinkVantage Troddet Recovery ThinkVantage Communication Utility
Disk	SATA 6.0Gb/s 7200 rpm	ThinkVantage Power Manager
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	 Lenovo® AppShop Lenovo Message Center Plus
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset	Lenovo Message Center Flus Lenovo Simple Tap
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector,	Adobe® Reader®
	two SATA 3.0Gb/s connectors, and one eSATA connector	 Windows Live™ Essentials Corel® Burn.Now™ (DVD±RW)
eSATA port	None	Corel Bullinow (DVD±RV) Corel DVD MovieFactory® (DVD±RW)
Media reader	None	- Windows 8 models
Chipset	Intel Q75 Express Chipset	Lenovo Support
Front ports Rear ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort	Lenovo Support Lenovo Companion
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	Lenovo Cloud Storage
	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports),	 Norton™ Studio AccuWeather
	one internal DisplayPort connector	Evernote®
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	Cyberlink Power2Go (DVD±RW)
Speaker IEEE 1394	Internal speaker for business audio	Cyberlink PowerProducer (DVD±RW)
Ethernet	None One gigabit ethernet port, Intel 82579, Wake on LAN®	- All models
Manageability	Intel Standard Manageability	ThinkVantage System Update
Modem	None	Lenovo Solution CenterView Management Utility
Security chip	Trusted Platform Module (TPM 1.2-compliant)	Norton Internet Security
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	(30 days of virus definitions)
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	Microsoft® Office preloaded; purchase a product key to activate
Power supply	280 watts, autosensing, 85% PSU	Skype™
Machine	 Business black color; metal case 6.9" W X 17.4" D X 16.3" H 	,
	• 175mm W X 442mm D X 414mm H	
	• 24.2 lb (11.0 kg) in maximum configuration	
	 Toolless cover removal, toolless adapter retention Toolless disk, optical drive removal 	
Bay	Bay 1: 5.25", 1.6" high, access, std optical	
,	Bay 2: 5.25", 1.6" high, access, open	
	Bay 3: 3.5", 1" high, access, opt reader	
	Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk	Security
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max)	Security chip (see information on left) One leak to assure both source and
	Slot 2: half-length, full-height, PCle 2.0 x1	 One lock to secure both cover and entire system to fixed object:
	Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3	-Padlock loop (in rear for opt padlock)
		-Security slot (in rear for optional
	optical	Kensington® MicroSaver® cable) • Cable lock
	2	 Power-on password
		Hard disk password
	③ disk	Boot sequence control Boot without keyboard and mouse
	□••□	Serial port I/O control
		 Individual USB port disablement
		Chassis intrusion switch on selected model(s)
		EPEAT™ Gold rating
		ENERGY STAR® 5.2-compliant
		ULE Gold .
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	GREENGUARD® certified
Í	national holidays. Calls received after 3 pm will require an additional next business day	RoHS-compliant Supports ThinkVantage Technologies
	for service dispatch / service upgrades available	Supports minkvantage rechnologies









Lenovo ThinkCentre M92/M92p Tiny with Optional Serial Port or DisplayPort



Lenovo ThinkCentre M92/M92p Small



Lenovo ThinkCentre M92/M92p Tower



Lenovo ThinkCentre M92/M92p Tiny with Floor Stand



Lenovo ThinkCentre M92/M92p Tiny with VESA Mount



Lenovo ThinkCentre M92/M92p Tiny with External Optical Box

ThinkCentre M92 Tiny (3235) - TopSeller

Type-model Processor	Memory ⁸	SATA disk GB rpm	Dis P Graphics do	play- ort Op ngle	tiona port i	l Chassis intr switcl	Floor n stand	VESA mount	ENERGY STAR 5.2	Intel vPro	Global	Ann date (mm/dd/yy)
3235-B8G i3-2120T 3235-B7G i3-2120T			HD 2000 N HD 2000 N			_						06/19/12 07/10/12

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- •3-year limited warranty

B		In
Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i3-2120T Processor (2 cores / 4 threads, 2.6GHz, 3MB cache), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some
	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)	listed)
Memory Graphics DP dongle	Intel HD Graphics 2000 in processor, uses main memory, HDCP, DirectX® 10.1, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA)@60Hz None	 Rescue and Recovery™ Password Manager Preloaded applications (only some listed) ThinkVantage® Product Recovery
Disk External optical SATA controller Onboard SATA eSATA port Chipset Front ports Rear ports PCIe Mini Card PCIe WLAN Bluetooth Audio Speaker IEEE 1394 Ethernet Intel AMT Modem Security chip Keyboard Mouse Floor Stand VESA mount Power supply Machine	SATA 3.0Gb/s, 2.5" Wide Some: Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in Serial ATA, SATA 6.0Gb/s support, integrated in chipset One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar None Intel Q77 Express Chipset Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / DisplayPort on selected models) One PCI Express® Mini Card slot None None High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio None One gigabit ethernet port, Intel 82579, Wake on LAN® Intel Active Management Technology 8.0 (Intel AMT 8.0) None Trusted Platform Module (TPM1.2-compliant) Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo None Supports VESA 75mm and 100mm mount standard 65 watts AC/DC adapter, autosensing, 87% PSU Business black color; metal case 7.1" W X 7.2" D X 1.4" H	 ThinkVantage System Update ThinkVantage Communication Utility ThinkVantage Power Manager View Management Utility Lenovo AppShop Lenovo Solution Center Lenovo SimpleTap Norton™ Internet Security (30 days of virus definitions) Adobe® Reader® Skype™ for Windows Windows Live™ Essentials Microsoft® Office preloaded; purchase a product key to activate Corel® Burn.Now™ (DVD±RW) Corel DVD MovieFactory® (DVD±RW)
	 179mm W X 182mm D X 34.5mm H 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box) 	Security Security chip (see information on left) Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold Cisco EnergyWise compatible
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	GREENGUÄRD® certified RoHS-compliant Supports ThinkVantage Technologies

ThinkCentre M92 Tiny (3235) - TopSeller (Win 8)

				PCle		Chassis							
Type-model Processo	r Memory	SATA disk GB rpm	External optical	Mini Card WLAN / BT	Optional port	intrusion Switch	Security cable	Floor stand	WESA ENERO		Global	Preload	Ann date (mm/dd/yy)
3235-C4G i3-32201	4GBx1	500G 7200	DVD±RW	Intel 2230 + B1	None	Switch	Cable	None	Mount ES52	. None	None \	Win8 Pro64	1 10/23/12
3235-C5G i3-32207	4GBx1	500G 7200	None	Intel 2230 + B7	None	Switch	Cable	None	Mount ES52	None	None \	Win8 Pro64	1 10/23/12
3235-D3G i3-3220T	4GBx1	500G 7200	DVD±RW	Intel 2230 + B7	None	Switch	Cable	None	Mount ES52	None	None \	Win7 Pro64	1 10/23/12
3235-D4G i3-32201	4GBx1	500G 7200	None	Intel 2230 + B7	None	Switch	Cable	None	Mount ES52	None	None \	Win7 Pro64	1 10/23/12
3235-E9G i3-3220T	4GBx1	500G 7200	DVD±RW	Intel 2230 + B7	None	Switch	Cable	None	Mount ES52	None	None \	Win8 Pro64	1 12/04/12
3235-F1G i3-32207	4GBx1	500G 7200	None	Intel 2230 + B7	None	Switch	Cable	None	Mount ES52	None	None \	Win8 Pro64	1 12/04/12
3235-F2G i3-3220T	4GBx1	500G 7200	DVD±RW	Intel 2230 + B7	None	Switch	Cable	None	Mount ES52	None	None \	Win7 Pro64	1 12/04/12
3235-F3G i3-32207	4GBx1	500G 7200	None	Intel 2230 + B7	None	Switch	Cable	None	Mount ES52	None	None \	Win7 Pro64	1 12/04/12
3235-H2G i3-3240T	4GBx1	500G 7200	None	Intel 2230 + B7	None	Switch	None	None	Mount ES52	None	None \	Win7 Pro64	1 06/11/13
3235-H3G i3-32407	4GBx1	500G 7200	DVD±RW	Intel 2230 + B1	None	Switch	None	None	Mount ES52	None None	None \	Win7 Pro64	1 06/11/13

- $\bullet \textit{Small and medium business (SMB) model(s), part of the Western Europe TopSeller^{\text{\tiny TM}} \ \textit{Program}$
- 3-year limited warranty

	•3-year ilmited warranty	
Positioning	Ultimate security, stability, and manageability for the enterprise	Preloaded operating system
Processor	Intel® Core™ i3-3220T Processor (2 cores / 4 threads, 2.8GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Intel Core i3-3240T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), integrated Intel HD Graphics 2500,	Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Some: Windows 8 Pro 64-bit Preloaded applications (only some listed)
Implementation	integrated 1600MHz dual-channel DDR3 memory controller Processor in LGA1155 socket	- Windows 7 models
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)	ThinkVantage® Product Recovery
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, one optional DisplayPort, supports up to triple independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA)@60Hz	 ThinkVantage Communication Utility ThinkVantage Power Manager Adobe® Reader® Corel® Burn.Now™ (DVD±RW) Corel DVD MovieFactory® (DVD±RW)
DP dongle	None	- Windows 8 models
Disk External optical SATA controller Onboard SATA eSATA port	SATA 3.0Gb/s, 2.5" Wide Some: Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in Serial ATA, SATA 6.0Gb/s support, integrated in chipset One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar None	Lenovo® Support Lenovo Companion Lenovo Cloud Storage Norton™ Studio AccuWeather
Chipset	Intel Q77 Express Chipset	Evernote® Cyberlink Power2Go (DVD±RW)
Front ports Rear ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / DisplayPort on selected models)	Cyberlink PowerProducer (DVD±RW) Cyberlink PowerProducer (DVD±RW) All models ThinkVantage System Update
PCIe Mini Card PCIe WLAN	One PCI Express [®] Mini Card slot 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2	Lenovo Solution Center View Management Utility Norton Internet Security
Bluetooth Audio	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter High Definition (HD) Audio, Realtek® ALC662 codec	(30 days of virus definitions) • Microsoft® Office preloaded;
Speaker IEEE 1394	Internal speaker for business audio None	purchase a product key to activate ■ Skype™
Ethernet Intel AMT	One gigabit ethernet port, Intel 82579, Wake on LAN® Intel Active Management Technology 8.0 (Intel AMT 8.0)	Скуро
Modem Security chip	None Trusted Platform Module (TPM1.2-compliant)	
Keyboard Mouse	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo	-
Floor Stand VESA mount	None Supports VESA 75mm and 100mm mount standard	
Power supply Machine	65 watts AC/DC adapter, autosensing, 87% PSU • Business black color; metal case • 7.1" W X 7.2" D X 1.4" H	Security Security chip (see information on left)
	• 179mm W X 182mm D X 34.5mm H • 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box)	Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s)
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified
	national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	RoHS-compliant Supports ThinkVantage Technologies

Type-model F	Processor		SATA disk GB rpm			PCIe Mini Card WLAN / BT	Optional port	Chassis intr switch	Floor stand	VESA mount			Global (G) GMP (P)	Win7 preload	Ann date (mm/dd/yy)
3229-A1G	G460	2GBx1	8G SSD	None	Intel HD	None	Serial	None	None	None	ES52	None	GΡ	Emb 32	07/10/12
3229-A2G	G465	2GBx1	8G SSD	None	Intel HD	None	Serial	None	None	None	ES52	None	GΡ	Emb 32	01/08/13
3229-A3G	G470	2GBx1	8G SSD	None	Intel HD	None	Serial	None	None	None	ES52	None	GΡ	Emb 32	07/09/13

• Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Desitioning	I likimaka a a surik, akabilik, anal mana a a bilik, fankka a akamaria	Dual and ad a manuation of acceptance
Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Celeron® G460 Processor (1 core / 2 threads, 1.8GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Intel Celeron G465 Processor (1 core / 2 threads, 1.9GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Intel Celeron G470 Processor (1 core / 2 threads, 2.0GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller	Preloaded operating system Genuine Windows® 7 Embedded 32 Preloaded applications (only some listed) • Adobe® Reader® • Adobe Flash® Player • Citrix® Receiver • IIS Web Server • Microsoft® Management Console
Implementation	Processor in LGA1155 socket	Microsoft Silverlight
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), System automatically clocks down for processors with 1066MHz DDR3 memory controller	Remote Desktop Protocol ThinPrint .print Client TightVNC Viewer VMware® View Client
Graphics DB dengle	Intel HD Graphics in processor, uses main memory, HDCP, DirectX [®] 10.1, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	vWorkspace Windows Media Player
DP dongle	None	-
Disk External optical SATA controller Onboard SATA eSATA port	Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide None Serial ATA, SATA 6.0Gb/s support, integrated in chipset One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar None	
Chipset	Intel Q77 Express Chipset	
Front ports Rear ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / DisplayPort on selected models)	
PCIe Mini Card PCIe WLAN Bluetooth Audio Speaker IEEE 1394 Ethernet Intel AMT Modem Security chip	One PCI Express® Mini Card slot None None High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio None One gigabit ethernet port, Intel 82579, Wake on LAN® Intel Active Management Technology 8.0 (Intel AMT 8.0) None Trusted Platform Module (TPM1.2-compliant)	
Keyboard Mouse Floor Stand VESA mount Power supply	None None None None Some None Some None None None None None None None Non	Security • Security chip (see information on left)
Machine	Business black color; metal case 7.1" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box)	Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating
Limited Warranty	3-years , limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	ENERGY STAR® 5.2-compliant ULE Gold GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

ThinkCentre M92p Tiny (2121) - TopSeller (Win 8)

Type-model Processor M		ATA disk BB rpm	External optical	Graphics	PCIe Mini Card WLAN / BT	nal	Chassis intru switch	Security	Floor stand	VESA mount	ENERGY STAR 5.:	/ Intel 2 vPro	Global	Preload	Ann date (mm/dd/yy)
2121-C3G i5-3470T 4	GBx1 500	G 7200	None	HD 2500	Intel 6205	None	Switch	Cable	None	Mount	ES52	vPro	None	Win8 Pro6	4 10/23/12
2121-D2G i5-3470T 4	GBx1 500	G 7200	None	HD 2500	Intel 6205	None	Switch	Cable	None	Mount	ES52	vPro	None	Win7 Pro6	4 10/23/12
2121-E6G i5-3470T 4	GBx1 500	G 7200	DVD±RW	HD 2500	Intel 6205	None	Switch	None	None	Mount	ES52	vPro	None	Win8 Pro6	4 11/20/12
2121-E7G i5-3470T 4	GBx1 500	G 7200	DVD±RW	HD 2500	Intel 6205	None	Switch	None	None	Mount	ES52	vPro	None	Win7 Pro6	4 11/20/12
2121-E8G i5-3470T 4	GBx1 500	G 7200	None	HD 2500	Intel 6205	None	Switch	Cable	None	Mount	ES52	vPro	None	Win7 Pro6	4 12/04/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
 Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise	Preloaded operating system				
Processor	Intel® Core™ i5-3470T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit				
Implementation	Processor in LGA1155 socket	Some: Windows 8 Pro 64-bit				
Memory	16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)	Preloaded applications (only some listed)				
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX [®] 11, one VGA, one DisplayPort [™] , one optional DisplayPort, supports up to triple independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	 Windows 7 models ThinkVantage® Product Recovery ThinkVantage Communication Utility ThinkVantage Power Manager 				
DP dongle	None	Adobe® Reader®				
Disk External optical SATA controller Onboard SATA eSATA port	SATA 3.0Gb/s, 2.5" Wide, 7200 rpm Some: Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in Serial ATA, SATA 6.0Gb/s support, integrated in chipset One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar None	Corel® Burn.Now™ (DVD±RW) Corel DVD MovieFactory® (DVD±RW) - Windows 8 models Lenovo® Support Lenovo Companion				
Chipset	Intel Q77 Express Chipset	Lenovo Cloud Storage				
Front ports Rear ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / DisplayPort on selected models)	Norton™ Studio AccuWeather Evernote® Cyberlink Power2Go (DVD±RW) Cyberlink PowerProducer (DVD±RW)				
PCIe Mini Card PCIe WLAN Bluetooth	One PCI Express® Mini Card slot 11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2 None	- All models				
Audio Speaker	High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio	ThinkVantage System UpdateLenovo Solution CenterView Management Utility				
IEEE 1394 Ethernet Intel AMT Modem Security chip	None One gigabit ethernet port, Intel 82579, Wake on LAN® Intel Active Management Technology 8.0 (Intel AMT 8.0) None Trusted Platform Module (TPM1.2-compliant)	Norton Internet Security (30 days of virus definitions) Microsoft® Office preloaded; purchase a product key to activate Skype™				
Keyboard Mouse Floor Stand	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo None	-				
VESA mount Power supply	Supports VESA 75mm and 100mm mount standard 65 watts AC/DC adapter, autosensing, 87% PSU	Security				
Machine	Business black color; metal case 7.1" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box)	Security chip (see information on left) Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s)				
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	EPEAT TM Gold rating ENERGY STAR® 5.2-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified				
Zamiou Warranty	national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available					

					Display-						
Town words! Donners	NA 8	SATA disk	External	0			l Chassis Flo	r VESA ENER	GY Intel	Win7	Ann date
Type-model Processor	Memory ⁸	GB rpm	optical	Graphics	dongle	port	intr switch sta	d mount STAR	o.2 vPro	Giobaipreioad	(mm/aa/yy)
3243-A6G i5-3470T	4GBx1 1600MHz	320G 7200	DVD±RW	HD 2500	None	DP	Switch Nor	e Mount ES52	vPro	None Pro 64	07/10/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- 1-year limited warranty

Positioning Ultimate security, stability, and manageability for the enterprise Intel® Core "16-470T Processor (2 cores 4 Hreads, 2 961H; 3MB cache), Turbo Boost 2.0 (5.664H; integrated intel HD Graphics 2500. Implementation Processor in Lock 1165 society			
Integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Memory Processor in Local 1155 socket Memory Integrated 1600MHz DDR3, two 204-pin SODIMM sockets (notebook) Memory Intel PIO Graphics 2500 in processor, uses main memory, DirectX* 11, one VGA, one DisplayPort*, one optional DisplayPort, one VGA, one DisplayPort*, one optional DisplayPort, Maximum resolution: 2560x1600 (DisplayPort, Oad) Bilk SATA 3,GGbys, 2-5 Wide, 7200 rpin SCHORD SATA 5,GGbys, 2-5 Wid	•	Intel® Core™ i5-3470T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache),	Genuine Windows® 7
Memory 16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)		, , ,	
Memory Intel HD Graphics 2500 in processor, uses main memory. DirectX** 11, one VGA, one DisplayPort**, one optional DisplayPort**, one opti			
one VGA, one DisplayPort ^{IV} , one optional DisplayPort, supports up to triple independent display. DP dongle DP dongle Same: DisplayPort to Single-link DVH-D Gable SATA controller SATA 2.0Gb/s, 2.5° Wide, 7200 rpm SIlm DVD burner box, SATA 1.6Gb/s, 12.7mm high, tray-in Serial ATA, SATA 6.0Gb/s support, integrated in chipset One SATA controller One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar None Tiel QTZ Express Chipset Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two USB 3.0, one USB 2.0 (seterinal DDD occupies USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort to connector, one optional port (USB 2.0 feath of DisplayPort to selected models) PCIe Mini Card PCIe WLA. None PCIe Mini Card PCIe WLA. None Cle Express Mini Card slot None Elbernet Intel ANT None High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio None Cle Express Mini Card slot None Elbernet One gigabit ethernet port, Intel 82579, Wake on LAN® Intel Active Management Technology 8.0 (Intel AMT 8.0) None Cher you was a poport vice and the properties of the properti		, , ,	Rescue and Recovery™
De dongle Disk Safta 3.05(bis, 2.5 'Wide, 7.200 rpm External optical SAftA controller SAftA controller SaftA controller SaftA controller SaftA controller SaftA controller Serial AftA, SaftA 6.05(bis, 12.7mm high, tray-in None Chipset Intel Q77 Express Chipset Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models), ethernet (RJ-45), VoA D8-15, DisplayPort connector, one optional port (USB 2.0 feath / DisplayPort on selected models) None PCIc Surpress 'Mini Card slot None United Adurt Modem None Chipset High Definition (HD) Audio, Realtek' ALC662 codec Internal speaker for business audio None Uses and the wide of the selected models on the sel	Graphics	one VGA, one DisplayPort™, one optional DisplayPort, supports up to triple independent display;	Password Manager Preloaded applications (only some listed)
Disk External optics SaTA 3.0Gb/s 2.5° Wride, 7200 rpm External optics Silm DVD Durner box, SATA 1.5Gb/s, 12.7mm high, tray-in Solar Aport Solar Aport Solar Aport Chipset Intel QTZ Express Chipset Froni ports Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two USB 3.0, one USB 2.0 (sexternal DD occupies USB 2.0 port on some models), one optional port (USB 2.0 'serial / DisplayPort on selected models) One PCI Express 'Mini Card slot None None None None Elbertooth High Definition (HD) Audio, Realtek' ALC662 codec Internal speaker for business audio None Cheer Chief and Ch	DP dongle		
Front ports Rear ports PCIe Mini Card PCIe Mini Card PCIe WLAN Bluetooth None None Selucitor High Definition (HD) Audio, Realtek* ALC662 codec Internal speaker for business audio None Security chip Reyboard Rouse Rever and Port WT. 1 September 1 September 1 September 2 September 3 September	Disk External optical SATA controller Onboard SATA	SATA 3.0Gb/s, 2.5" Wide, 7200 rpm Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in Serial ATA, SATA 6.0Gb/s support, integrated in chipset One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar None	ThinkVantage Communication Utility ThinkVantage Power Manager View Management Utility Lenovo AppShop Lenovo Solution Center Lenovo Message Center Plus
Time points Wo SB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models) ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / Serial / DisplayPort on selected models) Adobe* Reader* Skype™ for Windows Windows Uker™ Essentials None High Definition (HD) Audio, Realtek* ALC662 codec Internal speaker for business audio None High Definition (HD) Audio, Realtek* ALC662 codec Internal speaker for business audio None One gigabit ethernet port, Intel 82579, Wake on LAN® Intel Active Management Technology 8.0 (Intel AMT 8.0) None Trusted Platform Module (TPM1.2-compliant) Keyboard Mouse Enhanced Optical USB Mouse, black, Lenovo logo None Supports VESA 75mm and 100mm mount standard So watts AC/DC adapter, autosensing, 87% PSU Swatts AC/DC adapter, autosensing, 87% PSU Swatts AC/DC adapter, autosensing, 87% PSU Security Security chip Security chip Security chip Security chip Security chip Security slot (in rear for attachment of optional Kensington* MicroSaver® cable) Power-on password Hard disk password Hard di	Chipset	Intel Q77 Express Chipset	
PCIe WLAN None Bluetooth Audio Speaker IleEE 1394 Ethernet Intel AMT Modem Security chip Keyboard Mouse Floor Stand VSBA moune Supports VESA 75mm and 100mm mount standard Power supply Machine ■ 179mm W X 182mm D X 34.5mm H • 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box) Eucurity ■ 179mm W X 182mm D X 34.5mm H • 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box) Eucurity Elmited Warranty Itimited Warranty Itimited Onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day Internal speaker for business audio Internal speaker for business audio None One gigabit ethernet port, Intel 82579, Wake on LAN® Internal speaker for business audio Internal speaker for b	•	Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector,	(30 days of virus definitions) • Adobe® Reader® • Skype™ for Windows
Audio Speaker Internal speaker for business audio None Ethernet Intel AdT One gigabit ethernet port, Intel 82579, Wake on LAN® Intel AdT None Security chip Trusted Platform Module (TPM1.2-compliant) Keyboard None Security chip Trusted Platform Module (TPM1.2-compliant) Keyboard Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo None Supports VESA 75mm and 100mm mount standard 65 watts AC/DC adapter, autosensing, 87% PSU Machine Business black color; metal case 7.1" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box) Security Security chip (see information on left) Security of increa for attachment of optional Kensington® MicroSaver® cable) Power-on password Administrator password Administrator password Hard disk password Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT® Gold rating ENERGY STAR® 5.2-compliant ULE Gold Cisco EnergyWise compatible GRIEENGUARD® certified RoHS-compliant	PCIe WLAN	None	Microsoft® Office preloaded; purchase a product key to activate
Internal speaker Internal speaker for business audio			
Ethernet Intel AMT None Intel Active Management Technology 8.0 (Intel AMT 8.0) None Security chip Trusted Platform Module (TPM1.2-compliant) Keyboard Mouse Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo None Supports VESA 75mm and 100mm mount standard 65 watts AC/DC adapter, autosensing, 87% PSU Machine Business black color; metal case 7.1" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box) Security Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Power-on password Administrator password Administrator password Administrator password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s) Limited Warranty 1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays, Calls received after 3 pm will require an additional next business day Recompliant Uses port disablement Power and additional holidays, Calls received after 3 pm will require an additional next business day Recompliant Power and Power			00.0.2.2
Intel AMT Modem Security chip Security chip Trusted Platform Module (TPM1.2-compliant) Keyboard Mouse Floor Stand VESA mount Power supply Business black color; metal case 7.1" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box) Security chip (see information on left) Security solt (in rear for attachment of optional Kensingonal Memoral Power on password Administrator password Hard disk password Boot without keyboard and mouse Initiated Warranty Initiated Warranty Intel Active Management Technology 8.0 (Intel AMT 8.0) None Security Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo® logo Enhanced Optical USB Mouse, Lenovo® logo Escurity chip Security chip Security chip Security chip Security chip Security chip			
Modem None Trusted Platform Module (TPM1.2-compliant)			
Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo		3 3 1 1 1 1 1 1 1 1 1 1	
Mouse Floor Stand VESA mount Power supply Business black color; metal case 7.1* W X 7.2* D X 1.4* H 179mm W X 182mm D X 34.5mm H 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box) Security Security Security (See information on left) Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHSP-compliant autional holidays. Calls received after 3 pm will require an additional next business day RoHSP-compliant	Security chip	Trusted Platform Module (TPM1.2-compliant)	
Business black color; metal case	Floor Stand VESA mount	Enhanced Optical USB Mouse, black, Lenovo logo None Supports VESA 75mm and 100mm mount standard	
• 7.1" W X 7.2" D X 1.4" H • 179mm W X 182mm D X 34.5mm H • 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box) Security • Security clip (see information on left) • Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard and mouse • Individual USB port disablement • Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified ROHS-compliant			-
Security Security chip (see information on left) Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant T-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day	Machine	● 7.1" W X 7.2" D X 1.4" H ● 179mm W X 182mm D X 34.5mm H	
Limited Warranty 1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day GREENGUÄRD® certified RoHS-compliant			Security chip (see information on left) Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant
	Limited Warranty	national holidays. Calls received after 3 pm will require an additional next business day	GREENGUĂRD® certified RoHS-compliant

Type-model Processor	Memory ⁸	SATA disk GB rpm	External optical	Graphics					VESA E			Win7 Globalpreload <i>(</i>	Ann date mm/dd/yy)
3238-A6G i5-3470T	4GBx1 1600MHz	750G 5400	DVD±RW	HD 2500	DP-to-DVI-I	D None	Switch	None	Mount	ES52	vPro	None Pro 64	06/05/12
3238-A8G i5-3470T	4GBx1 1600MHz	500G 5400	DVD±RW	HD 2500	None	None	None	None	Mount	ES52	vPro	None Pro 64	06/05/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
 3-year limited warranty

Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i5-3470T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,	Preloaded operating system Genuine Windows® 7 Professional 64
Implementation	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	Ready to install applications (only some
Implementation Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)	listed)
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX [®] 11, one VGA, one DisplayPort™, one optional DisplayPort, supports up to triple independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA)@60Hz	 Rescue and Recovery™ Password Manager Preloaded applications (only some listed) ThinkVantage® Product Recovery
DP dongle	Some: DisplayPort to Single-link DVI-D Cable	 ThinkVantage System Update
Disk External optical SATA controller Onboard SATA eSATA port	SATA 3.0Gb/s, 2.5" Wide, 5400 rpm Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in Serial ATA, SATA 6.0Gb/s support, integrated in chipset One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar None	ThinkVantage Communication Utility ThinkVantage Power Manager View Management Utility Lenovo AppShop Lenovo Solution Center Lenovo Message Center Plus
Chipset	Intel Q77 Express Chipset	Lenovo SimpleTap Norton™ Internet Security
Front ports Rear ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / DisplayPort on selected models)	Norton internet Security (30 days of virus definitions) Adobe® Reader® Skype™ for Windows Windows Live™ Essentials
PCIe Mini Card PCIe WLAN Bluetooth	One PCI Express® Mini Card slot None None	Microsoft® Office preloaded; purchase a product key to activate Corel® Burn.Now™ (DVD±RW)
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	Corel DVD MovieFactory® (DVD±RW)
Speaker IEEE 1394	Internal speaker for business audio None	
Ethernet Intel AMT	One gigabit ethernet port, Intel 82579, Wake on LAN® Intel Active Management Technology 8.0 (Intel AMT 8.0)	
Modem	None	
Security chip	Trusted Platform Module (TPM1.2-compliant)	
Keyboard Mouse Floor Stand VESA mount Power supply	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo None Supports VESA 75mm and 100mm mount standard 65 watts AC/DC adapter, autosensing, 87% PSU	
Machine	Business black color; metal case 7.1" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H	
	• 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box)	Security Security Security chip (see information on left) Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold Cisco EnergyWise compatible
Limited Warranty	3-years , limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

				Display-				
		SATA disk	External		Floor	VESA ENERGY Intel	Global (G)	Win7 Ann date
Type-model Processor	Memory ⁸	GB rpm	optical	Graphics dongle port intr switch	stand	mount STAR 5.2 vPro	GMP (P)	preload(mm/dd/yy)

3237-A1G i5-3470T 4GBx1 1600MHz 320G 5400 DVD±RW HD 2500 None None None None Mount ES52 vPro Pro 64 06/05/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
 Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise	Preloaded operating system
Processor	Intel® Core™ i5-3470T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache),	Genuine Windows® 7
	Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,	Professional 64
	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Ready to install applications (only some
Implementation Moment	Processor in LGA1155 socket 16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)	listed)
Memory	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11,	 ■ Rescue and Recovery[™]
Graphics	one VGA, one DisplayPort™, one optional DisplayPort,	Password Manager
	supports up to triple independent display;	Preloaded applications (only some listed)
	Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	 ThinkVantage® Product Recovery
DP dongle	None	ThinkVantage System Update ThinkVantage System Update
Disk	SATA 3.0Gb/s, 2.5" Wide, 5400 rpm	 ThinkVantage Communication Utility ThinkVantage Power Manager
External optical	Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in	View Management Utility
SATA controller Onboard SATA	Serial ATA, SATA 6.0Gb/s support, integrated in chipset	Lenovo AppShop
eSATA port	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar None	Lenovo Solution Center
Chipset	Intel Q77 Express Chipset	Lenovo Message Center Plus Lenovo Simple Tap
	<u> </u>	Norton™ Internet Security
Front ports Rear ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models),	(30 days of virus definitions)
riear ports	ethernet (RJ-45), VGA DB-15, DisplayPort connector,	Adobe® Reader® Clause IM for Mindows
	one optional port (USB 2.0 / serial / DisplayPort on selected models)	 Skype™ for Windows Windows Live™ Essentials
PCIe Mini Card	One PCI Express® Mini Card slot	Microsoft® Office preloaded;
PCIe WLAN	None	purchase a product key to activate
Bluetooth	None	Corel® Burn.Now™ (DVD±RW)
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	Corel DVD MovieFactory® (DVD±RW)
Speaker	Internal speaker for business audio	
IEEE 1394	None One gigabit athernat part Intel 93570, Wake an LAN®	
Ethernet Intel AMT	One gigabit ethernet port, Intel 82579, Wake on LAN® Intel Active Management Technology 8.0 (Intel AMT 8.0)	
Modem	None	
Security chip	Trusted Platform Module (TPM1.2-compliant)	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	-
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Floor Stand	None	
VESA mount	Supports VESA 75mm and 100mm mount standard	
Power supply	65 watts AC/DC adapter, autosensing, 87% PSU	
Machine	Business black color; metal case	
	● 7.1" W X 7.2" D X 1.4" H ● 179mm W X 182mm D X 34.5mm H	
	• 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box)	
	or is (iii ig) ii iiaaman oonigaaan (iioaaang 2.toma. optica. 201)	Security
		Security chip (see information on left) Security clot (in rear for attachment of
		 Security slot (in rear for attachment of optional Kensington® MicroSaver®
		cable)
		Power-on password
		Administrator password
		Hard disk passwordBoot sequence control
		Boot sequence control Boot without keyboard and mouse
		 Individual USB port disablement
		Chassis intrusion switch on selected
		model(s)
		EPEAT™ Gold rating
		ENERGY STAR® 5.Ž-compliant ULE Gold
		Cisco EnergyWise compatible
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	GREENGUARD® certified
	national holidays. Calls received after 3 pm will require an additional next business day	RoHS-compliant
	national holidays. Calls received after 3 pm will reduire an additional flexi business day	Supports ThinkVantage Technologies

ThinkCentre M92p Tiny (3237) - GMP (Thin Client)

Type-model	Processor		SATA disk ⁸ GB rpm	External optical) Win7 Ann date preload <i>(mm/dd/yy)</i>
3237-A3G	i5-3470T	2GBx1	8G SSD	None	HD 2500	None	Serial	None	None	None	ES52	vPro	GΡ	Emb 32 07/10/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
 Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

		I= I
Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i5-3470T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Preloaded operating system Genuine Windows® 7 Embedded 32
Implementation	Processor in LGA1155 socket	Preloaded applications (only some listed)
Memory	16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)	Adobe® Reader®
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX [®] 11, one VGA, one DisplayPort™, one optional DisplayPort, supports up to triple independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz	Adobe Flash® Player Citrix® Receiver IlS Web Server Microsoft® Management Console Microsoft Silverlight
DP dongle	None	Remote Desktop Protocol
Disk External optical SATA controller Onboard SATA	Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide None Serial ATA, SATA 6.0Gb/s support, integrated in chipset One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar	ThinPrint .print Client TightVNC Viewer VMware® View Client Workspace Windows Media Player
eSATA port	None Intel Q77 Express Chipset	-
Chipset Front ports	· · · · · · · · · · · · · · · · · · ·	-
Front ports Rear ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / DisplayPort on selected models)	
PCIe Mini Card PCIe WLAN	One PCI Express® Mini Card slot None	
Bluetooth Audio	None High Definition (HD) Audio, Realtek® ALC662 codec	
Speaker	Internal speaker for business audio	
IĖEE 1394	None	
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	
Intel AMT Modem	Intel Active Management Technology 8.0 (Intel AMT 8.0) None	
Security chip	Trusted Platform Module (TPM1.2-compliant)	
Keyboard	None	-
Mouse	None	
Floor Stand	None	
VESA mount	None	
Power supply	65 watts AC/DC adapter, autosensing, 87% PSU	_
Machine	 Business black color; metal case 7.1" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box) 	
		Security
		Security chip (see information on left) Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
		Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected
		Criassis intrusion switch on selected model(s) EPEAT™ Gold rating
		ENERGY STAR® 5.Ž-compliant ULE Gold
Limited Warranty	3-years , limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies
		Capporte i i i interactago i como logico

Type-model Processor Memory ⁸	SATA disk GB rpm	External optical	Graphics	PCIe Mini Card VLAN / B1	Optiona F port	l Chassis intr switch	Floor stand	VESA mount	ENERGY STAR 5.2	/ Intel 2 vPro	Global (0 GMP (P	G)) Preload	Ann date (mm/dd/yy)
3237-A4G i5-3470T 4GBx1 3237-A5G i5-3470T 4GBx1					None None			Mount Mount			_	Win8 Pro6	

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
 Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise	Preloaded operating system
Processor	Intel® Core™ i5-3470T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Some: Windows® 7 Professional 64 preinstalled through downgrade
Implementation	Processor in LGA1155 socket	rights in Windows 8 Pro 64-bit Some: Windows 8 Pro 64-bit
Memory	16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)	Preloaded applications (only some listed)
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX [®] 11, one VGA, one DisplayPort [™] , one optional DisplayPort, supports up to triple independent display;	Windows 7 models ThinkVantage® Product Recovery ThinkVantage Communication Utility
DP dongle	Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz None	ThinkVantage Power Manager Lenovo® AppShop
Disk External optical SATA controller Onboard SATA eSATA port	SATA 3.0Gb/s, 2.5" Wide, 5400 rpm Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in Serial ATA, SATA 6.0Gb/s support, integrated in chipset One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar None	Lenovo Message Center Plus Lenovo SimpleTap Adobe® Reader® Windows Live™ Essentials Corel® Burn.Now™ (DVD±RW) Corel DVD MovieFactory® (DVD±RW)
Chipset	Intel Q77 Express Chipset	- Windows 8 models
Front ports Rear ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / DisplayPort on selected models)	Lenovo Support Lenovo Companion Lenovo Cloud Storage Norton™ Studio
PCIe Mini Card PCIe WLAN Bluetooth Audio Speaker	One PCI Express® Mini Card slot None None High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio	AccuWeather Evernote® Cyberlink Power2Go (DVD±RW) Cyberlink PowerProducer (DVD±RW)
IEEE 1394	None	All modelsThinkVantage System Update
Ethernet Intel AMT Modem Security chip	One gigabit ethernet port, Intel 82579, Wake on LAN® Intel Active Management Technology 8.0 (Intel AMT 8.0) None Trusted Platform Module (TPM1.2-compliant)	 Lenovo Solution Center View Management Utility Norton Internet Security (30 days of virus definitions)
Keyboard Mouse Floor Stand VESA mount Power supply	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo None Supports VESA 75mm and 100mm mount standard 65 watts AC/DC adapter, autosensing, 87% PSU	Microsoft® Office preloaded; purchase a product key to activate Skype™
Machine	Business black color; metal case 7.1" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box)	
	- 5.1 is (-1.1 ig) in maximum configuration (including External Optical Box)	Security Security chip (see information on left) Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold Cisco EnergyWise compatible
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

ThinkCentre M92p Small (2988) - TopSeller

						Display-							
Slot x Type-model bay Processor	Memory ⁸	SATA disk GB rpm	SATA optical	Media reader	Graphics	Port	Chassis intr switch	Floor stand	ENERGY STAR 5.2	Intel vPro	Global	Win7 preload	Ann date (mm/dd/yy)

2988-B1G 4x3 i5-3470 4GBx1 1600MHz 500G 7200 DVD±RW Media HD 2500 None Switch None ES52 vPro None Pro 64 07/10/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise	Preloaded operating system
Processor	Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,	Genuine Windows® 7 Professional 64
Implementation	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	Ready to install applications (only some
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	- listed)
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	 Rescue and Recovery™ Password Manager Preloaded applications (only some listed)
DP dongle	None	ThinkVantage® Product Recovery
Disk	SATA 6.0Gb/s 7200 rpm	ThinkVantage System Update
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	ThinkVantage Communication Utility ThinkVantage Power Manager
SATA controller Onboard SATA	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA 3.0Gb/s connector, and one eSATA connector	View Management Utility Lenovo AppShop
eSATA port	None	Lenovo Solution Center Lenovo Message Center Plus
Media reader	29-in-1 media reader, internal USB 2.0	● Lenovo SimpleTap
Chipset	Intel Q77 Express Chipset	Norton™ Internet Security (30 days of virus definitions)
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Adobe® Reader®
Rear ports Rear audio ports	Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	Skype™ for Windows Windows Live™ Foresticle
	Two USB 2.0 planar conn (1 used; one open for additional USB devices),	 Windows Live™ Essentials Microsoft® Office preloaded;
	one internal DisplayPort connector	purchase a product key to activate
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	Corel® Burn.Now™ (DVD±RW) Corel® Burn.Now™ (DVD±RW)
Speaker IEEE 1394	Internal speaker for business audio	Corel DVD MovieFactory® (DVD±RW)
Ethernet	None One gigabit ethernet port, Intel 82579, Wake on LAN®	
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)	
Modem	None	
Security chip	Trusted Platform Module (TPM1.2-compliant)	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Floor Stand Power supply	None 240 watts, autosensing, 85% PSU	
Machine	Business black color; metal case	-
	 13.3" W X 15.2" D X 3.9" H 338mm W X 385mm D X 100mm H 16.5 lb (7.5 kg) in maximum configuration Toolless cover flips up and tilts backward on rear hinges Toolless disk and optical drive removal Toolless adapter retention 	
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 3.5", .5" high, access, opt reader	Security Security chip (see information on left)
Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (45w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3	 Securitý sloť (in rear for attachment óf optional Kensington® MicroSaver® cable) Cable lock Power-on password Administrator password
		Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s)
	disk optical	EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold Cisco EnergyWise compatible
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	GREENGUÄRD® certified RoHS-compliant Supports ThinkVantage Technologies

Type-mod	Slot a		r Memory	SATA disk ⁸ GB rpm	SATA optical	Media reader	Graphics	PCIe Mini Card WLAN / BT			ENERGY STAR 5.2			Preload	Ann date (mm/dd/yy)
2988-C5	G 4x3	i5-3470	4GBx1	500G 7200	DVD±RW	Media	HD 2500	Intel 6205	Switch	None	ES52	vPro	None	Win8 Pro64	10/23/12
2988-D6	G 4x3	i5-3470	4GBx1	500G 7200	DVD±RW	Media	HD 2500	Intel 6205	Switch	None	ES52	vPro	None	Win7 Pro64	10/23/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
 Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
 3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise	Preloaded operating system
Processor	Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
Implementation	Processor in LGA1155 socket	Some: Windows 8 Pro 64-bit
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	Preloaded applications (only some listed)
Graphics DP dongle	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA)@60Hz None	Windows 7 models ThinkVantage® Product Recovery ThinkVantage Communication Utility
Disk	SATA 6.0Gb/s 7200 rpm	ThinkVantage Power Manager Adobe® Reader®
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	Corel® Burn.Now™ (DVD±RW)
SATA controller Onboard SATA	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA 3.0Gb/s connector, and one eSATA connector	Corel DVD MovieFactory® (DVD±RW) Windows 8 models
eSATA port	None	Lenovo® Support Lenovo Companion
Media reader	29-in-1 media reader, internal USB 2.0	Lenovo Cloud Storage
Chipset	Intel Q77 Express Chipset	Norton™ Studio AccuWeather
Front ports Rear ports Rear audio ports Internal connector	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for additional USB devices), one internal DisplayPort connector	Evernote® Cyberlink Power2Go (DVD±RW) Cyberlink PowerProducer (DVD±RW) All models
PCIe WLAN	11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2	ThinkVantage System Update
Bluetooth	None	Lenovo Solution Center View Management Utility
Audio Speaker	High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio	View Management Utility Norton Internet Security
IEEE 1394	None	(30 days of virus definitions)
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	Microsoft® Office preloaded; purchase a product key to activate
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)	 Skype™
Modem Security chip	None Trusted Platform Module (TPM1.2-compliant)	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	-
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Floor Stand	None	
Power supply	240 watts, autosensing, 85% PSU	_
Machine	 Business black color; metal case 13.3" W X 15.2" D X 3.9" H 338mm W X 385mm D X 100mm H 16.5 lb (7.5 kg) in maximum configuration Toolless cover flips up and tilts backward on rear hinges Toolless disk and optical drive removal 	
D	Toolless adapter retention	Security Security chip (see information on left)
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 3.5", .5" high, access, opt reader	Security slot (in rear for attachment of optional Kensington® MicroSaver®
Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (45w max) Slot 2: Low Profile, PCIe 2.0 x1	cable) Cable lock Power-on password
	Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3	Administrator password
	Clot 4. LOW 1 follio, 02 bit 1 Of 2.0	 Hard disk password
		Boot sequence control Boot without keyboard and mouse
		Individual USB port disablement Chassis intrusion switch on selected model(s)
	disk optical	EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant
	national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	Supports ThinkVantage Technologies

ThinkCentre M92p Small (2996)

S Type-model	lot x bay		Memory ⁸	SATA disk GB rpm	SATA optical	Media reader	Display- Port Graphics dongle	Chassis Floor intr switch stand				Ann date mm/dd/yy)
2996-A1G 4	1x3	i5-3550	4GBx1 1600MHz	500G 7200	DVD±RW	None	HD 2500 None	Switch None	ES52	vPro Nor	ne Pro 64	07/10/12

Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
 1-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise	Preloaded operating system
Processor	Intel® Core™ i5-3550 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), integrated Intel HD Graphics 2500,	Genuine Windows® 7 Professional 64
Implementation	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	Ready to install applications (only some
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	listed)
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	 Rescue and Recovery™ Password Manager Preloaded applications (only some listed)
DP dongle	None	ThinkVantage® Product Recovery
Disk	SATA 6.0Gb/s 7200 rpm	ThinkVantage System Update
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	ThinkVantage Communication Utility ThinkVantage Power Manager
SATA controller Onboard SATA	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors,	View Management Utility
Onboard Ortirt	one SATA 3.0Gb/s connector, and one eSATA connector	Lenovo AppShop Lenovo Solution Center
eSATA port	None	Lenovo Message Center Plus
Media reader	None	● Lenovo SimpleTap
Chipset	Intel Q77 Express Chipset	Norton™ Internet Security (30 days of virus definitions)
Front ports Rear ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort	Adobe® Reader®
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	Skype™ for Windows Windows Live™ Essentials
	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports),	Microsoft® Office preloaded;
A	one internal DisplayPort connector	purchase a product key to activate
Audio Speaker	High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio	Corel® Burn.Now™ (DVD±RW) Corel DVD MovieFactory® (DVD±RW)
IEEE 1394	None	(212=1117)
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)	
Modem Security chip	None Trusted Platform Module (TPM1.2-compliant)	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	-
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Floor Stand	None	
Power supply	240 watts, autosensing, 85% PSU	_
Machine	 Business black color; metal case 13.3" W X 15.2" D X 3.9" H 	
	• 338mm W X 385mm D X 100mm H	
	 16.5 lb (7.5 kg) in maximum configuration Toolless cover flips up and tilts backward on rear hinges 	
	Toolless disk and optical drive removal	
_	Toolless adapter retention	Security
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk	Security chip (see information on left) Security slot (in rear for attachment of
	Bay 3: 3.5", .5" high, access, opt reader	optional Kensington® MicroSaver®
Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (45w max) Slot 2: Low Profile, PCIe 2.0 x1	cable) Cable lock
	Slot 3: Low Profile, 32-bit PCI 2.3	Power-on password
	Slot 4: Low Profile, 32-bit PCI 2.3	Administrator password
		Hard disk password Boot sequence control
		 Boot without keyboard and mouse
		Individual USB port disablement Chassis intrusion switch on selected
	disk optical	model(s)
		EPEAT™ Gold rating
		ENERGY STAR® 5.2-compliant
		ULE Gold Cisco EnergyWise compatible
Limited Warranty	1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	GREENGUARD® certified
,	national holidays. Calls received after 3 pm will require an additional next business day	RoHS-compliant
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies

ThinkCentre M92p Small (3209)

Type-model	Slot x bay		Memory ⁸	SATA disk GB rpm	SATA optical	Media reader	Display- Port Graphics dongle	Chassis		ENERGY STAR 5.2			Win7 preload	Ann date (mm/dd/yy)
3209-B4G	4x3	i5-3550	4GBx1 1600MHz	500G 7200	DVD±RW	None	HD 2500 None	None	None	ES52	vPro	None	Pro 64	06/05/12

Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology

• 3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise	Preloaded operating system
Processor	Intel® Core™ i5-3550 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), integrated Intel HD Graphics 2500,	Genuine Windows® 7 Professional 64
Implementation	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	Ready to install applications (only some
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	listed)
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	 Rescue and Recovery[™] Password Manager Preloaded applications (only some listed)
DP dongle	None	ThinkVantage® Product Recovery ThinkVantage® Product Recovery
Disk Optical SATA controller Onboard SATA	SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA 3.0Gb/s connector, and one eSATA connector	 ThinkVantage System Update ThinkVantage Communication Utility ThinkVantage Power Manager View Management Utility Lenovo AppShop
eSATA port	None	Lenovo Solution CenterLenovo Message Center Plus
Media reader	None	Lenovo SimpleTap
Chipset	Intel Q77 Express Chipset	Norton™ Internet Security (30 days of virus definitions)
	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio None	Adobe® Reader® Skype™ for Windows Windows Live™ Essentials Microsoft® Office preloaded; purchase a product key to activate Corel® Burn.Now™ (DVD±RW) Corel DVD MovieFactory® (DVD±RW)
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)	
Modem Security chip	None Trusted Platform Module (TPM1.2-compliant)	
Keyboard Mouse Floor Stand Power supply	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo None 240 watts, autosensing, 85% PSU	
Machine	Business black color; metal case	-
Macille	13.3" W X 15.2" D X 3.9" H 338mm W X 385mm D X 100mm H 16.5 lb (7.5 kg) in maximum configuration Toolless cover flips up and tilts backward on rear hinges Toolless disk and optical drive removal Toolless adapter retention	Security
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 3.5", .5" high, access, opt reader	Security chip (see information on left) Security slot (in rear for attachment of optional Kensington® MicroSaver®
Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (45w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3	cable) Cable lock Power-on password Administrator password Hard disk password Boot sequence control
	disk optical	Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

ThinkCentre M92p Small (3227) - GMP

Slot x Type-model bay Proce	essor Memory ⁸	SATA disk GB rpm	SATA optical	Media reader	Display Port dongle	Chassis	Floor stand	ENERGY STAR 5.2	Intel (Global (G) GMP (P)	Win7 preload	Ann date (mm/dd/yy)
3227-A1G 4x3 i7-37 3227-A2G 4x3 i5-34										_		06/05/12 06/19/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
 Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise	Preloaded operating system
Processor	Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,	Genuine Windows® 7 Professional 64
	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i7-3770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4000,	Ready to install applications (only some listed)
Implementation	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	 Rescue and Recovery™ Password Manager
Memory	32GB max, UDIMM , PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets	Preloaded applications (only some listed)
Graphics	Intel HD Graphics 2500 or Intel HD Graphics 4000 in processor, uses main memory,	- ' ' ' ' '
DP dongle	DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz None	ThinkVantage® Product Recovery ThinkVantage System Update ThinkVantage Communication Utility ThinkVantage Revus Reposers
Disk	SATA 6.0Gb/s 7200 rpm	ThinkVantage Power Manager View Management Utility
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	Lenovo AppShop
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support	Lenovo Solution Center
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA 3.0Gb/s connector, and one eSATA connector	Lenovo Message Center Plus Lenovo SimpleTap Norton™ Internet Security
eSATA port	None	(30 days of virus definitions)
Media reader	None	● Àdobe® Reader®
Chipset	Intel Q77 Express Chipset	Skype™ for Windows
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	 Windows Live™ Essentials Microsoft® Office preloaded;
Rear ports	Four USB 3.0, two USB2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort	purchase a product key to activate
	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	Corel® Burn.Now™ (DVD±RW)
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports),	 Corel DVD MovieFactory® (DVD±RW)
Audio	one internal DisplayPort connector High Definition (HD) Audio, Realtek® ALC662 codec	
Speaker	Internal speaker for business audio	
IEEE 1394	None	
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)	
Modem	None	
Security chip	Trusted Platform Module (TPM1.2-compliant)	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Floor Stand	System floor stand for vertical orientation	
Power supply	240 watts, autosensing, 85% PSU	_
Machine	Business black color; metal case	
	 13.3" W X 15.2" D X 3.9" H 338mm W X 385mm D X 100mm H 	
	16.5 lb (7.5 kg) in maximum configuration	
	Toolless cover flips up and tilts backward on rear hinges	
	Toolless disk and optical drive removal	
Davi	Toolless adapter retention Pay 4.5.05" 4.0" birth access add antical	Security
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk	Security chip (see information on left) Security slot (in rear for attachment of
	Bay 3: 3.5", .5" high, access, opt reader	optional Kensington® MicroSaver®
Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (45w max)	cable)
	Slot 2: Low Profile, PCle 2.0 x1	Cable lock
	Slot 3: Low Profile, 32-bit PCI 2.3	Power-on password Administrator password
	Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3	Administrator password
	Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3	Administrator password Hard disk password Boot sequence control
	Slot 4: Low Profile, 32-bit PCI 2.3	Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse
	Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3	Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement
	Slot 4: Low Profile, 32-bit PCI 2.3	 Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected
	Slot 4: Low Profile, 32-bit PCI 2.3	 Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating
	Slot 4: Low Profile, 32-bit PCI 2.3	Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant
	Slot 4: Low Profile, 32-bit PCI 2.3	Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold
Limited Warrant	Slot 4: Low Profile, 32-bit PCI 2.3	Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold Cisco EnergyWise compatible
Limited Warranty	Slot 4: Low Profile, 32-bit PCI 2.3	Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold

Slot x Type-model bay Processor Memory ⁸	SATA disk SAT. GB rpm option	Display- Port Chassis Floor dongle intr switch stand	ENERGY Intel	Global (G) GMP (P) Preload	Ann date (mm/dd/yy)
3227-A3G 4x3 i5-3470 4GBx1 1600MHz 3227-A4G 4x3 i5-3470 4GBx1 1600MHz				G P Win8 Pro64 G P Win7 Pro64	

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
 Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise	Preloaded operating system
Processor	Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
Implementation	Processor in LGA1155 socket	Some: Windows 8 Pro 64-bit
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	Preloaded applications (only some listed)
Graphics DP dongle	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz None	Windows 7 models ThinkVantage® Product Recovery ThinkVantage Communication Utility
Disk	SATA 6.0Gb/s 7200 rpm	 ThinkVantage Power Manager Lenovo® AppShop
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	Lenovo Message Center Plus
SATA controller Onboard SATA	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA 3.0Gb/s connector, and one eSATA connector	 Lenovo SimpleTap Adobe® Reader® Windows Live™ Essentials
eSATA port Media reader	None None	Corel® Burn.Now™ (DVD±RW) Corel DVD MovieFactory® (DVD±RW)
Chipset	Intel Q77 Express Chipset	- Windows 8 models
	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports),	Lenovo Support Lenovo Companion Lenovo Cloud Storage Norton™ Studio AccuWeather
	one internal DisplayPort connector	Evernote®
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	Cyberlink Power2Go (DVD±RW)
Speaker IEEE 1394	Internal speaker for business audio None	Cyberlink PowerProducer (DVD±RW)
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	- All models
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)	 ThinkVantage System Update Lenovo Solution Center
Modem	None Trusted Platform Medula (TDM1 0 compliant)	 View Management Utility
Security chip	Trusted Platform Module (TPM1.2-compliant)	Norton Internet Security (30 days of virus definitions)
Keyboard Mouse	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo	Microsoft® Office preloaded;
Floor Stand	System floor stand for vertical orientation	purchase a product key to activate
Power supply	240 watts, autosensing, 85% PSU	● Skype™
Machine	 Business black color; metal case 13.3" W X 15.2" D X 3.9" H 338mm W X 385mm D X 100mm H 16.5 lb (7.5 kg) in maximum configuration Toolless cover flips up and tilts backward on rear hinges Toolless disk and optical drive removal Toolless adapter retention Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk 	
	Bay 3: 3.5", .5" high, access, opt reader	Security
Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (45w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3	Security chip (see information on left) Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Cable lock Power-on password Administrator password
	disk optical	Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s)
		EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold Cisco EnergyWise compatible
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

ThinkCentre M92p Tower (2992) - TopSeller

Slot x Type-model bay Processor	SATA disk GB rpm		Media reader	Port	ENERGY		Ann date (mm/dd/yy)
2992-B3G 4x5 i7-3770 2992-B4G 4x5 i5-3470		,					

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
 Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise	Preloaded operating system
Processor	Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache),	Genuine Windows® 7
	Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,	Professional 64
	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i7-3770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache),	Ready to install applications (only some
	Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4000,	listed)
	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	 Rescue and Recovery™
Implementation	Processor in LGA1155 socket	Password Manager
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	Preloaded applications (only some listed)
Graphics	Intel HD Graphics 2500 or Intel HD Graphics 4000 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	ThinkVantage® Product Recovery ThinkVantage System Update ThinkVantage Communication Utility
DP dongle	None	ThinkVantage Communication Starty ThinkVantage Power Manager
Disk	SATA 6.0Gb/s 7200 rpm	View Management Utility
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	Lenovo AppShop Lenovo AppShop
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support	Lenovo Solution Center Lenovo Mossago Center Plus
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA 3.0Gb/s connector, and one eSATA connector	 Lenovo Message Center Plus Lenovo SimpleTap Norton™ Internet Security
eSATA port	None	(30 days of virus definitions)
Media reader	Some: 29-in-1 media reader, internal USB 2.0	_ • Àdobe [®] Reader®
Chipset	Intel Q77 Express Chipset	 Skype[™] for Windows Windows Live[™] Essentials
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Microsoft® Office preloaded;
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort	purchase a product key to activate
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	Corel® Burn.Now™ (DVD±RW) (DVD±RW)
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB devices),	 Corel DVD MovieFactory® (DVD±RW)
Audio	one internal DisplayPort connector High Definition (HD) Audio, Realtek® ALC662 codec	
Speaker	Internal speaker for business audio	
IEEE 1394	None	
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)	
Modem	None	
Security chip	Trusted Platform Module (TPM1.2-compliant)	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Power supply	280 watts, autosensing, 85% PSU	
Machine	Business black color; metal case All MAY 47 All BAY 40 O'll Hard	
	● 6.9" W X 17.4" D X 16.3" H ● 175mm W X 442mm D X 414mm H	
	• 24.2 lb (11.0 kg) in maximum configuration	
	Toolless cover removal, toolless adapter retention	
	Toolless disk, optical drive removal	Security
Bay	Bay 1: 5.25", 1.6" high, access, std optical	Security chip (see information on left)
	Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader	 One lock to secure both cover and entire system to fixed object:
	Bay 4: 3.5", 1" high, no access, std disk	-Padlock loop (in rear for opt padlock)
	Bay 5: 3.5", 1" high, no access, opt disk	-Security slot (in rear for optional
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max)	Kensington® MicroSaver® cable)
	Slot 2: half-length, full-height, PCIe 2.0 x1	Cable lock Power on pageword
	Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3	Power-on passwordHard disk password
		Boot sequence control
		 Boot without keyboard and mouse
		Serial port I/O control Individual I/OB port disablement
	disk	Individual USB port disablement Chassis intrusion switch on selected
		model(s)
		EPEAT™ Gold rating
		ENERGY STAR® 5.2-compliant
		ULE Gold
		Cisco EnergyWise compatible
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	GREENGUARD® certified RoHS-compliant
	national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	
	ioi service dispatciti / service apgrades avaliable	Supports ThinkVantage Technologies

Type-model	Slot >		r Memory ⁸	SATA disk GB rpm	2nd Disk Bay	SATA optical	Media reader	Graphics	PCIe Mini Card WLAN / BT	Chassis intrusion switch	ENERGY	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
2992-C7G	4x5	i5-3470	4GBx1	500G 7200	Bay	DVD±RW	Media	HD 2500	Intel 6205	Switch	ES52	vPro	None	Win8 Pro64	10/23/12
2992-C8G	4x5	i7-3770	4GBx1	1TB 7200	Bay	DVD±RW	Media	HD 4000	Intel 6205	Switch	ES52	vPro	None	Win8 Pro64	10/23/12
2992-D9G	4x5	i5-3470	4GBx1	500G 7200	Bay	DVD±RW	Media	HD 2500	Intel 6205	Switch	ES52	vPro	None	Win7 Pro64	10/23/12
2992-E1G	4x5	i7-3770	4GBx1	1TB 7200	Bay	DVD±RW	Media	HD 4000	Intel 6205	Switch	ES52	vPro	None	Win7 Pro64	10/23/12
2992-F4G	4x5	i5-3470	4GBx1	128G SSD	Bay	DVD±RW	Media	HD 2500	Intel 6205	Switch	ES52	vPro	None	Win7 Pro64	03/05/13

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
 Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise	Preloaded operating system
Processor	Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache),	Some: Windows® 7 Professional 64
	Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,	preinstalled through downgrade
	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i7-3770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache),	rights in Windows 8 Pro 64-bit
	Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4000,	Some: Windows 8 Pro 64-bit
	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Preloaded applications (only some listed)
Implementation	Processor in LGA1155 socket	- Windows 7 models
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	ThinkVantage® Product Recovery
Graphics	Intel HD Graphics 2500 or Intel HD Graphics 4000 in processor, uses main memory,	ThinkVantage Communication Utility
	DirectX [®] 11, one VGA, one DisplayPort™, supports dual independent display;	ThinkVantage Power Manager Adobe® Reader®
DD densile	Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	Corel® Burn.Now™ (DVD±RW)
DP dongle	None	Corel DVD MovieFactory® (DVD±RW)
Disk	Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide	- Windows 8 models
Ontinal	Some: Hard Disk Drive / SATA 6.0Gb/s, 3.5" Wide, 7200 rpm	
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	Lenovo® Support Lenovo Companion
SATA controller Onboard SATA	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors,	Lenovo Cloud Storage
Oliboald SAIA	one SATA 3.0Gb/s connector, and one eSATA connector	Norton™ Studio
eSATA port	None	AccuWeather
Media reader	29-in-1 media reader, internal USB 2.0	Evernote® Control Provided (DVD+DW)
Chipset	Intel Q77 Express Chipset	Cyberlink Power2Go (DVD±RW) Cyberlink PowerProducer (DVD+PW)
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Cyberlink PowerProducer (DVD±RW) All models
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	ThinkVantage System Update
Internal connector		Lenovo Solution Center View Management Utility
	one internal DisplayPort connector	Norton Internet Security
PCIe WLAN	11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2	(30 days of virus definitions)
Bluetooth	None	Microsoft® Office preloaded;
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	purchase a product key to activate
Speaker	Internal speaker for business audio	Skype™
IEEE 1394	None	
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)	
Modem	None Trusted Platform Madula (TDM1 0 compliant)	
Security chip	Trusted Platform Module (TPM1.2-compliant)	-
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Power supply	280 watts, autosensing, 85% PSU	Security
Machine	Business black color; metal case GONWY174" DY163" H	Security chip (see information on left)
	● 6.9" W X 17.4" D X 16.3" H ● 175mm W X 442mm D X 414mm H	One lock to secure both cover and entire system to fixed object:
	• 24.2 lb (11.0 kg) in maximum configuration	-Padlock loop (in rear for opt padlock)
	Toolless cover removal, toolless adapter retention	-Security slot (in rear for optional
_	Toolless disk, optical drive removal	Kensington® MicroSaver® cable)
Bay	Bay 1: 5.25", 1.6" high, access, std optical	Cable lock Dayler on passward
	Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader	Power-on password Hard disk password
	Bay 4: 3.5". 1" high no access std disk	Boot sequence control
	Bay 5: 3.5", 1" high, no access, opt disk	 Boot without keyboard and mouse
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max)	Serial port I/O control
	Slot 2: half-length, full-height, PCle 2.0 x1	Individual USB port disablement Chassis intrusion switch an extented
	Slot 3: half-length, full-height, 32-bit PCI 2.3	Chassis intrusion switch on selected model(s)
	Slot 4: half-length, full-height, 32-bit PCI 2.3	EPEAT™ Gold rating
		EPEAT M Gold rating ENERGY STAR® 5.2-compliant
	<u> </u>	ULE Gold
		Cisco EnergyWise compatible
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	GREENGUARD® certified
	national holidays. Calls received after 3 pm will require an additional next business day	RoHS-compliant
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies

ThinkCentre M92p Tower (2999)

Type-model	Slot >		r Memory ⁸	SATA disk 2 GB rpm	nd Disk Bay		Media reader		Port		ENERGY			Win7 Ann date preload (mm/dd/yy)
2999-A1G	4x5	i5-3550	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	None	HD 2500	None	Switch	ES52	vPro	None	Pro 64 07/10/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- 1-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise	Preloaded operating system
Processor	Intel® Core™ i5-3550 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache),	Genuine Windows® 7
	Turbo Boost 2.0 (3.7GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Professional 64
Implementation	Processor in LGA1155 socket	Ready to install applications (only some
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	listed)
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	 Rescue and Recovery™ Password Manager Preloaded applications (only some listed)
DP dongle	None	ThinkVantage® Product Recovery
Disk Optical SATA controller Onboard SATA	SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors,	ThinkVantage System Update ThinkVantage Communication Utility ThinkVantage Power Manager View Management Utility Lenovo AppShop
eSATA port Media reader	one SATA 3.0Gb/s connector, and one eSATA connector None None	Lenovo Solution Center Lenovo Message Center Plus Lenovo SimpleTap
Chipset	Intel Q77 Express Chipset	Norton™ Internet Security
	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for additional USB devices), one internal DisplayPort connector	 (30 days of virus definitions) Adobe® Reader® Skype™ for Windows Windows Live™ Essentials Microsoft® Office preloaded; purchase a product key to activate
Audio Speaker IEEE 1394 Ethernet	High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio None One gigabit ethernet port, Intel 82579, Wake on LAN®	Corel® Burn.Now™ (DVD±RW) Corel DVD MovieFactory® (DVD±RW)
Intel AMT Modem Security chip	Intel Active Management Technology 8.0 (Intel AMT 8.0) None Trusted Platform Module (TPM1.2-compliant)	
Keyboard Mouse Power supply	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo 280 watts, autosensing, 85% PSU	
Machine	 Business black color; metal case 6.9" W X 17.4" D X 16.3" H 175mm W X 442mm D X 414mm H 24.2 lb (11.0 kg) in maximum configuration Toolless cover removal, toolless adapter retention Toolless disk, optical drive removal 	Security • Security chip (see information on left)
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk	One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable)
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3 © © © © © © © © © © © © ©	Cable lock Power-on password Hard disk password Boot sequence control Boot without keyboard and mouse Serial port I/O control Individual USB port disablement Chassis intrusion switch on selected model(s)
Limited Marsant	1 year limited ensite convice 2 on 5 pm Man. Fri coverage evaluding public and	EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified
Limited Warranty	1-year , limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	RoHS-compliant Supports ThinkVantage Technologies

ThinkCentre M92p Tower (3212)

Type-model	Slot x bay		r Memory ⁸	SATA disk 2 GB rpm			Media reader		Port		ENERGY			Win7 Ann date preload (mm/dd/yy)
3212-A3G	4x5	i5-3550	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	None	HD 2500	None	None	ES52	vPro	None	Pro 64 06/05/12

Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology

• 3-year limited warranty

Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i5-3550 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache),	Preloaded operating system
1 10000001	Turbo Boost 2.0 (3.7GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Genuine Windows® 7 Professional 64
Implementation	Processor in LGA1155 socket	Ready to install applications (only some
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	listed)
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	 Rescue and Recovery™ Password Manager Preloaded applications (only some listed)
DP dongle	None	ThinkVantage® Product Recovery
Disk	SATA 6.0Gb/s 7200 rpm	ThinkVantage System Update ThinkVantage Communication Utility
Optical SATA controller	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support	ThinkVaritage Communication Office ThinkVantage Power Manager
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors,	View Management Utility
01.200.007	one SATA 3.0Gb/s connector, and one eSATA connector	Lenovo AppShop Lenovo Solution Center
eSATA port	None	Lenovo Message Center Plus
Media reader	None	 Lenovo SimpleTap
Chipset	Intel Q77 Express Chipset	 Norton™ Internet Security (30 days of virus definitions)
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Adobe® Reader®
Rear ports Rear audio ports	Four USB 3.0, two USB2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	 Skype™ for Windows
	Two USB 2.0 planar conn (1 used; one open for additional USB devices),	 Windows Live™ Essentials Microsoft® Office preloaded;
	one internal DisplayPort connector	purchase a product key to activate
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	Corel® Burn.Now™ (DVD±RW) Corel® Burn.Now™ (DVD±RW)
Speaker IEEE 1394	Internal speaker for business audio None	Corel DVD MovieFactory® (DVD±RW)
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)	
Modem	None	
Security chip	Trusted Platform Module (TPM1.2-compliant)	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Power supply Machine	280 watts, autosensing, 85% PSU	-
Machine	 Business black color; metal case 6.9" W X 17.4" D X 16.3" H 	
	• 175mm W X 442mm D X 414mm H	
	 24.2 lb (11.0 kg) in maximum configuration Toolless cover removal, toolless adapter retention 	Conveite
	Toolless disk, optical drive removal	Security Security chip (see information on left)
Bay	Bay 1: 5.25", 1.6" high, access, std optical	One lock to secure both cover and
	Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader	entire system to fixed object:
	Bay 4: 3.5", 1" high, no access, std disk	-Padlock loop (in rear for opt padlock) -Security slot (in rear for optional
	Bay 5: 3.5", 1" high, no access, opt disk	Kensington® MicroSaver® cable)
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max)	Cable lock Power on pageword
	Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 optical	Power-on password Hard disk password
	Slot 4: half-length, full-height, 32-bit PCI 2.3	Boot sequence control
		Boot without keyboard and mouse Serial port I/O control
	(3) disk	 Individual USB port disablement
		Chassis intrusion switch on selected
		model(s)
		EPEAT™ Gold rating ENERGY STAR® 5.2-compliant
		ULE Gold
		Cisco EnergyWise compatible
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day	GREENGUARD® certified RoHS-compliant
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies

ThinkCentre M92p Tower (3228) - GMP

Slot x bay Processo	r Memory ⁸	SATA disk 2 GB rpm		SATA optical	Media reader	Port	- Chassis intrusion switch	ENERGY	Intel o	GMP ((G) Win7 P) preload	Ann date (mm/dd/yy)
	4GBx1 1600MHz 4GBx1 1600MHz		,									

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
 Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Implementation Integrated 1600MHz dual-channel DDR3 memory controller, virtualization Technology Implementation Integrated 1600MHz dual-channel DDR3 memory controller, virtualization Technology Implementation Integrated 1600MHz dual-channel DDR3 memory controller, virtualization Technology Implementation Integrated 1600MHz dual-channel DDR3 memory controller. 328 max. UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets Intel HD Graphics 2500 or Intel HD Graphics 4000 in processor, uses main memory. DirectX **11, one VSA, one DisplayPort**, vigal-general display. Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz None Disk SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive SATA 6.0Gb/s 7200 rpm SATA 5.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support Two SATA 6.0Gb/s and SATA 6.0Gb/s connectors one SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support Two SATA 6.0Gb/s connector, and one eSATA connector None None None None None None None None			
Implementation Implementation Implementation Processor in LGA1155 socket Memory 326B max, UDIMM, PC3-12800 1600MHz DDR3, Jour 240-pin DIMM sockets Graphics Graphics Intel HO Graphics 2500 row Intel HD Graphics 4000 in processor, uses main memory, DirectX* 11, one VGA, one DisplayPortI**, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPortI**) supports dual independent display	•	Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i7-3770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache),	Genuine Windows® 7 Professional 64 Ready to install applications (only some
Memory 32GB max, UDIMM, PC3-12800 1600Mtz DDR3, four 240-pin DIMM sockets Intel HD Graphics 2500 to Intel HD Graphics 2500 in processor, uses main memory, DirectX* 11, one VGA, one DisplayPort*, vs.paports dual independent display; hone SATA 6.0Gb/s 2200 pm SATA 6.0Gb/s 2200 pm SATA 6.0Gb/s 2700 pm Serial RTA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support Vision Maximum resolution: 2560x 1600 (DisplayPort, VGA) @ 60Hz Super Multi-Burner DL DVD=RW SATA 1.5Gb/s Drive Serial RTA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support Vision SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA 3.0Gb/s connector, and one eSATA connector None Non	Implementation	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	
Trink/Antage Product Recovery DirectX** 11, one VGA, one DisplayPort*, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	<u> </u>		-
Disk Optical Optical SATA controller Onboard SATA Onboard Once SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors Once SATA Onboard None Once SATA Onboard Once SATA Cables (each 1-drop to device), two SATA 6.0Gb/s connectors Once SATA Onboard Once SATA Cables (each 1-drop to device), two SATA 6.0Gb/s connectors Once SATA Onboard Once SATA Cables (each 1-drop to device), two SATA 6.0Gb/s connectors Once SATA Onboard Once SATA Cables (each 1-drop to device), two SATA 6.0Gb/s connectors Once SATA Cables (each 1-drop to device), two SATA 6.0Gb/s connectors Once SATA Cables (each 1-drop to device), two SATA 6.0Gb/s connectors Once SATA Cables (each 1-drop to device), two SATA 6.0Gb/s connectors Once SATA Cables (each 1-drop to device), two SATA 6.0Gb/s connectors Once SATA Cables (each 1-drop to device), two SATA 6.0Gb/s connectors Once SATA Cables (each 1-drop to device), two SATA 6.0Gb/s connectors Once SATA Cables (each 1-drop to device), two SATA 6.0Gb/s connectors Once SATA Cables (each 1-drop to device), two SATA 6.0Gb/s connectors Once SATA Cables (each 1-drop to device), two SATA 6.0Gb/s connectors Once SATA Cables (each 1-drop to device), two SATA 6.0Gb/s connectors Once SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors Once SATA Cables (each 1-drop to device), two SATA 6.0Gb/s connectors Once SATA Cables (each 1-drop to device), two SATA 6.0Gb/s connectors Once SATA Cables (each 1-drop to device), two SATA 6.0Gb/s connectors Once SATA Cables (each 1-drop to device), two SATA 6.0Gb/s connectors Once SATA Cables (each 1-drop to device), two SATA 6.0Gb/s connectors Once SATA Cables (each 1-drop to dev	Graphics	Intel HD Graphics 2500 or Intel HD Graphics 4000 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	ThinkVantage® Product Recovery ThinkVantage System Update ThinkVantage Communication Utility
Chipset Intel Q77 Express Chipset Front ports Front ports Front ports Rear ports Rear ports Rear audio ports Internal connector Rear audio ports Internal connector Rear audio ports Internal connector Audio Speaker Internal Connector Audio Speaker Internal Speaker for business audio None Security chip Trusted Platform Module (TPM1.2-compliant) Keyboard Mouse Power supply Rear Port USB Mouse, black, Lenovo logo Power supply Bay Bay Bay Bay Bay Bay Bay Bay Bay B	Disk Optical SATA controller Onboard SATA eSATA port	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA 3.0Gb/s connector, and one eSATA connector None	View Management Utility Lenovo AppShop Lenovo Solution Center Lenovo Message Center Plus Lenovo SimpleTap Norton™ Internet Security (30 days of virus definitions)
Flear ports Four USB 3.0, two USB2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort Rear audio ports Internal connector Internal connector Audio Speaker Itel Definition (HD) Audio, Reatlex* ALC662 codec Internal Speaker for business audio Itel AMT Modem Security chip Keyboard Mouse Power supply Bay 1: 5.25°; 1.6° high, access, std optical Bay 2: 5.25°; 1.6° high, access, opt reade Bay 4: 3.5°, 1° high, access, opt reade Bay 4: 3.5°, 1° high, access, opt class Slot Slot 1: half-length, full-height, 92-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3 Mouse Security Bay 1: 6.25°, 1.6° high, access, opt class Slot 4: half-length, full-height, 32-bit PCI 2.3 Mouse Selection Bay 3: 3.5°, 1° high, access, opt class Slot 4: half-length, full-height, 32-bit PCI 2.3 Mouse Selection Bay 3: 3.5°, 1° high, access, opt class Slot 4: half-length, full-height, 32-bit PCI 2.3 Mouse Selection Bay 3: 3.5°, 1° high, access, opt class Bay 5: 3.5°, 1° high, access, opt class Bay 6: 3	Chipset	Intel Q77 Express Chipset	
Internal speaker for business audio IEEE 1394 None Intel Adtive Management Technology 8.0 (Intel AMT 8.0) Modem	Rear ports Rear audio ports	Four USB 3.0, two USB2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports),	Microsoft® Office preloaded; purchase a product key to activate
Ethernet Intel AMT Intel Active Management Technology 8.0 (Intel AMT 8.0) Modem Security chip Trusted Platform Module (TPM1.2-compliant) Keyboard Mouse Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo Power supply Machine ■ Business black color; metal case ● 6.9* W X 17.4* D X 16.3* H ● 175mm W X 442mm D X 414mm H ● 24.2 lb (11.0 kg) in maximum configuration ● Toolless cover removal ● Toolless cover removal ● Toolless adapter retention Bay ■ Bay 1: 5.25*, 1.6* high, access, opt reader Bay 2: 5.25*, 1.6* high, access, opt reader Bay 2: 5.25*, 1.6* high, access, opt reader Bay 3: 3.5*, 1* high, no access, opt disk Bay 5: 3.5*, 1* high, no access, opt disk Bay 5: 3.5*, 1* high, no access, opt fish Slot 2: half-length, full-height, PCl 2.0 x1 Slot 2: half-length, full-height, 22-bit PCl 2.3 Slot 4: half-length, full-height, 32-bit PCl 2.3 Slot 4: half-length, full-height, 32-bit PCl 2.3 Slot 4: half-length, full-height, 32-bit PCl 2.3 EPAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold	Audio		
Ethernet Intel AMT Modem None Security chip Trusted Platform Module (TPM1.2-compliant) Keyboard Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo 280 watts, autosensing, 85% PSU Machine Business black color; metal case 6.9" W X 17.4" D X 16.3" H 1.75mm W X 442mm D X 414mm H 2.4.2 lb (11.0 kg) in maximum configuration Toolless disk, optical drive removal Toolless disk, optical drive removal Toolless daps 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, no access, open Bay 3: 3.5", 1" high, no access, open Bay 5: 3.5", 1" high, no access, open Bay 5: 3.5", 1" high, no access, open Bay 5: 3.5", 1" high, no access, open Bay 6: 3.5",			
Modem Security chip Trusted Platform Module (TPM1.2-compliant)	Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	
Security chip Trusted Platform Module (TPM1.2-compliant)		3 3 1 1	
Heyboard Mouse Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo 280 watts, autosensing, 85% PSU Machine ■ Business black color; metal case ● 6.9" W X 17.4" D X 16.3" H ● 175mm W X 442mm D X 414mm H ● 24.2 lb (11.0 kg) in maximum configuration ● Toolless cover removal ● Toolless adapter retention Bay Bay 1: 5.25", 1.6" high, access, opten Bay 3: 3.5", 1" high, access, opten Bay 3: 3.5", 1" high, access, opten Bay 4: 3.5", 1" high, no access, opt disk Bay 5: 3.5", 1" high, no access, opt disk Bay Sidot 1: half-length, full-height, PCle 2.0 x1 Slot 3: half-length, full-height, PCle 2.0 x1 Slot 4: half-length, full-height, PCle 2.0 x1 Slot 4: half-length, full-height, PCle 2.3 Slot 4: half-length, full-height, PCle 2.3 Slot 4: half-length, full-height, 32-bit PCl 2.3 Slot 4: half-length, full-height, PCle 2.0 x1 Slot 3: half-length, full-height, PCle 2.0 x1 Slot 4: half-length, full-height, PCle 2.0 x1			
• 6.9" W X 17.4" D X 16.3" H • 175mm W X 442mm D X 414mm H • 24.2 lb (11.0 kg) in maximum configuration • Toolless cover removal • Toolless disk, optical drive removal • Toolless adapter retention Bay Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, open Bay 3: 3.5", 1" high, access, opt disk Bay 5: 3.5", 1" high, no access, opt disk Bay 5: 3.5", 1" high, no access, opt disk Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max) Slot 2: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3 Slot 5: Alf-length, full-height, 32-bit PCI 2.3 Slot 6: Alf-length, full-height, 32-bit PCI 2.3 Slot 7: Alf-length, full-height, 32-bit PCI 2.3 Slot 8: Alf-length, full-height, 32-bit PCI 2.3 Slot 9: Alf-length, full-height, 32-bit PCI 2.3	Keyboard Mouse	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo	
Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, open Bay 4: 3.5", 1" high, no access, opt reader Bay 4: 3.5", 1" high, no access, opt disk Bay 5: 3.5", 1" high, no access, op	Machine	6.9" W X 17.4" D X 16.3" H 175mm W X 442mm D X 414mm H 24.2 lb (11.0 kg) in maximum configuration Toolless cover removal Toolless disk, optical drive removal	Security chip (see information on left) One lock to secure both cover and
Slot Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max) Slot 2: half-length, full-height, PCI e 2.0 x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3 3 disk Slot 4: half-length, full-height, 32-bit PCI 2.3 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 3: half-length, full-height, PCI Express 2.0 x16 (75w max) Slot 3: half-length, full-height, PCI Express 2.0 x16 (75w max) Slot 3: half-length, full-height, PCI e 2.0 x1 Slot 4: half-length, PCI e 2.0 x1 Slot 4: half-length, FCI e 2.0 x1 Slot 4: hal	Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk	-Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable) • Cable lock
ENERGY STAR® 5.Ž-compliant ULE Gold	Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3	Hard disk password Boot sequence control Boot without keyboard and mouse Serial port I/O control Individual USB port disablement Chassis intrusion switch on selected model(s)
		5	ENERGY STAR® 5.2-compliant ULE Gold
Limited Warranty 3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies	Limited Warranty	national holidays. Calls received after 3 pm will require an additional next business day	'

Slot : Type-model bay	r Processor Memory ⁸	SATA disk 2ı GB rpm	SATA optical	Media reader	Display Port Graphics dongle	- Chassis intrusion switch	ENERGY	Intel o	Global (G GMP (P)) Preload	Ann date (mm/dd/yy)
	i5-3470 4GBx1 i5-3470 4GBx1										

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
 Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

		I			
Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache),	Preloaded operating system			
FIOCESSOI	Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,	Some: Windows® 7 Professional 64			
	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	preinstalled through downgrade rights in Windows 8 Pro 64-bit			
Implementation	Processor in LGA1155 socket	Some: Windows 8 Pro 64-bit			
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	Preloaded applications (only some listed)			
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11,	- Windows 7 models			
	one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	ThinkVantage® Product Recovery			
DP dongle	None	ThinkVantage Communication Utility ThinkVantage Provent Management			
Disk	SATA 6.0Gb/s 7200 rpm	 ThinkVantage Power Manager Lenovo® AppShop 			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	Lenovo Message Center Plus			
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support	Lenovo SimpleTap			
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA 3.0Gb/s connector, and one eSATA connector	Adobe® Reader® Windows Live™ Essentials			
eSATA port	None	 Corel® Burn.Now™ (DVD±RW) 			
Media reader	None	 Corel DVD MovieFactory® (DVD±RW) 			
Chipset	Intel Q77 Express Chipset	- Windows 8 models			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Lenovo Support			
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort	Lenovo CompanionLenovo Cloud Storage			
	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	Norton™ Studio			
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector	AccuWeather			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	Evernote® Cyberlink Power2Co (DVD DW)			
Speaker	Internal speaker for business audio	Cyberlink Power2Go (DVD±RW)Cyberlink PowerProducer (DVD±RW)			
IEEE 1394	None	- All models			
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	ThinkVantage System Update			
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)	Lenovo Solution Center			
Modem Security chip	None Trusted Platform Module (TPM1.2-compliant)	 View Management Utility 			
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	Norton Internet Security (30 days of virus definitions)			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	Microsoft® Office preloaded;			
Power supply	280 watts, autosensing, 85% PSU	purchase a product key to activate			
Machine	Business black color; metal case	- Skype™			
	• 6.9" W X 17.4" D X 16.3" H				
	 175mm W X 442mm D X 414mm H 24.2 lb (11.0 kg) in maximum configuration 				
	Toolless cover removal				
	Toolless disk, optical drive removal				
Ray	 Toolless adapter retention Bay 1: 5.25", 1.6" high, access, std optical 	Security Security chip (see information on left)			
Bay	Bay 2: 5.25", 1.6" high, access, std optical	One lock to secure both cover and			
	Bay 3: 3.5", 1" high, access, opt reader	entire system to fixed object:			
	Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk	-Padlock loop (in rear for opt padlock) -Security slot (in rear for optional			
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max)	Kensington® MicroSaver® cable)			
	Slot 2: half-length, full-height, PCle 2.0 x1	Cable lock			
	Slot 3: half-length, full-height, 32-bit PCI 2.3 optical optical	Power-on password Hard disk password			
	Slot 4: half-length, full-height, 32-bit PCI 2.3	Boot sequence control			
		 Boot without keyboard and mouse 			
	③ disk	Serial port I/O control Individual USB port disablement			
		Chassis intrusion switch on selected			
		model(s)			
	5	EPEAT™ Gold rating			
		ENERGY STAR® 5.Ž-compliant			
Limited Warranty	2 years limited engite carries 9 cm 5 nm Man. This coveres evaluating multiple and	GREENGUARD® certified			
Limited warranty	3-years , limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day	RoHS-compliant			
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies			





Lenovo ThinkCentre Edge 72 Small and Lenovo ThinkCentre Edge 72 Tower



Lenovo ThinkCentre Edge 72 Small with Dual Lenovo ThinkVision Monitors



Lenovo ThinkCentre Edge 72 Small



Lenovo ThinkCentre Edge 72 Small





Lenovo ThinkCentre Edge 72 Tower



Lenovo ThinkCentre Edge 72 Tower

ThinkCentre Edge 72 Small (3493) - TopSeller

					PCle							
Slot x Type-model bay Processor	Memory ⁸	SATA disk GB rpm	SATA optical	Graphics	Mini Card WLAN		Media reader	Parallel port	Serial port	Floor stand	Win7 Global preload	Ann date (mm/dd/yy)
3493-ELG 3x3 G640	2GBx1 1600MHz	250G 7200	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	None Pro 64	06/19/12
3493-EMG 3x3 G640	2GBx1 1600MHz	250G 7200	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	None Prem 64	4 06/19/12
3493-ENG 3x3 G850	2GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	None Pro 64	06/19/12
3493-EPG 3x3 i3-2120	2GBx1 1600MHz	500G 7200	DVD±RW	HD 2000	None	None	Media	Parallel	Serial	None	None Pro 64	06/19/12
3493-EQG 3x3 i3-2120	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2000	None	None	Media	Parallel	Serial	None	None Pro 64	06/19/12

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program •1-year limited warranty

	national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	Supports ThinkVantage Technologies
Limited Warranty	1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	Boot sequence control Boot without keyboard and mouse Individual USB port disablement RoHS-compliant
Slot	Bay 3: 1.5", .35" high, access, opt reader* *bay only available on models with media reader installed Slot 1: Low Profile, PCI Express® 2.0 x16 (40w max) Slot 2: Low Profile, PCle 2.0 x1 Slot 3: Low Profile, PCle 2.0 x1	-Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable) • Power-on password • Administrator password • Hard disk password
Вау	 13.2" W X 15.0" D X 3.9" H 336mm W X 382mm D X 101mm H 13.2 lb (6.0 kg) in maximum configuration Highlighted optical drive button for easy access Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk 	Security • One lock to secure both cover and entire system to fixed object:
Power supply Machine	180 watts, universal, manual switch Glossy black bezel; metal case	-
Mouse Floor Stand	Enhanced Optical USB Mouse, black, Lenovo logo None	
Security chip Keyboard	None Lenovo® Slim USB Keyboard (USB connector), black, Lenovo logo	-
Modem	None	
Intel AMT	None	
IEEE 1394 Ethernet	None Gigabit ethernet port, Realtek RTL8111E, Wake on LAN®	
Speaker	Internal speaker for business audio	
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	
Bluetooth	None	
Internal connector PCIe WLAN	Three USB 2.0 planar conn (1 used; two open for additional USB devices) None	
Rear audio ports	VGA DB-15, DVI-D Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, optional serial (9-pin), optional parallel (25-pin), ethernet (RJ-45),	Color DVD Movier actory (DVD±RVV)
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	- ● Corel® Burn.Now™ (DVD±RW) • Corel DVD MovieFactory® (DVD±RW)
Chipset	Intel H61 Express Chipset	purchase a product key to activate
eSATA port Media reader	None 9-in-1 media reader, internal USB 2.0	 Windows Live™ Essentials Microsoft® Office preloaded:
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar	 Adobe® Reader® Skype™ for Windows
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset	(30 days of virus definitions)
Disk Optical	SATA 3.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	 Norton™ Internet Security
DP dongle	None	Lenovo Message Center Plus Lenovo SimpleTap
Graphics	Intel HD Graphics or Intel HD Graphics 2000 in processor, uses main memory, HDCP, DirectX® 10.1, one VGA, one DVI-D, supports dual independent display Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz	ThinkVantage Communication Utility View Management Utility Lenovo Solution Center
Memory	16GB max, UDIMM , PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets System automatically clocks down for processors with 1066MHz or 1333MHz DDR3 memory controller	ThinkVantage® Product Recovery ThinkVantage System Update ThinkVantage Power Manager
Implementation	integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	 Password Manager Preloaded applications (only some listed)
	integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core™ i3-2120 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2000,	Ready to install applications (only some listed) • Rescue and Recovery™
	integrated 1066MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Pentium G850 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache), integrated Intel HD Graphics,	Some: Genuine Windows 7 Home Premium 64
Processor	Intel® Pentium® G640 Processor (2 cores / 2 threads, 2.8GHz, 3MB cache), integrated Intel HD Graphics,	Some: Genuine Windows® 7 Professional 64
Positioning	Stylish design, reliability, and productivity for small/medium businesses	Preloaded operating system

Slot x Type-model bay Processor	Memory ⁸ SATA di		Graphics	PCle Mini Card WLAN		Media reader	Parallel port	Serial port	Floor stand	Win7 Global preload	Ann date (mm/dd/yy)
3493-ERG 3x3 i5-3470S 4G											
3493-ESG 3x3 i7-3770S 4G	Bx1 1600MHz	00 DVD±R\	N HD 4000) None	None	Media	Parallel	Serial	None	None Pro 64	06/19/12

- $\bullet \textit{Small and medium business (SMB) model(s), part of the Western Europe TopSeller^{\text{\tiny TM}} \ \textit{Program}$
- 1-year limited warranty

Positioning Processor Implementation Memory Graphics	Stylish design, reliability, and productivity for small/medium businesses Intel® Core™ i5-3470S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD 2500 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i7-3770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), integrated Intel HD 4000 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket 16GB max, UDIMM, PC3-12800 1600MHz DDR3, two 240-pin DIMM sockets Intel HD Graphics 2500 or Intel HD Graphics 4000 in processor, uses main memory, DirectX® 11, one VGA, one DVI-D, supports dual independent display; Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz	Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) • Rescue and Recovery™ • Password Manager Preloaded applications (only some listed) • ThinkVantage® Product Recovery • ThinkVantage System Update • ThinkVantage Power Manager • ThinkVantage Communication Utility • View Management Utility
DP dongle Disk Optical SATA controller Onboard SATA eSATA port Media reader	None SATA 3.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s, integrated in chipset Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar None 9-in-1 media reader, internal USB 2.0	 View Mailagement Offity Lenovo Solution Center Lenovo Message Center Plus Lenovo SimpleTap Norton™ Internet Security (30 days of virus definitions) Adobe® Reader® Skype™ for Windows Windows Live™ Essentials
Chipset Front ports Rear ports Rear audio ports Internal connector PCIe WLAN Bluetooth Audio Speaker IEEE 1394 Ethernet Intel AMT Modem Security chip Keyboard	Intel H61 Express Chipset Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0, optional serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA DB-15, DVI-D Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) Three USB 2.0 planar conn (1 used; two open for additional USB devices) None None High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio None Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None None None None Lenovo® Slim USB Keyboard (USB connector), black, Lenovo logo	 Microsoft® Office preloaded; purchase a product key to activate Corel® Burn.Now™ (DVD±RW) Corel DVD MovieFactory® (DVD±RW)
Mouse Floor Stand Power supply Machine	Enhanced Optical USB Mouse, black, Lenovo logo None 180 watts, universal, manual switch • Glossy black bezel; metal case • 13.2" W X 15.0" D X 3.9" H • 336mm W X 382mm D X 101mm H • 13.2 lb (6.0 kg) in maximum configuration • Highlighted optical drive button for easy access Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 1.5", .35" high, access, opt reader*	_
Slot	*bay only available on models with media reader installed Slot 1: Low Profile, PCI Express® 2.0 x16 (40w max) Slot 2: Low Profile, PCle 2.0 x1 Slot 3: Low Profile, PCle 2.0 x1 disk optical	Security One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement
Limited Warranty	1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	RoHS-compliant Supports ThinkVantage Technologies

Slot x Type-model bay Pr		ATA disk SATA GB rpm optical (PCle Mini Cai Graphics WLAN	dBlue- M tooth re		arallel S		Floor stand Gl	lobal Pı	reload (Ann date (mm/dd/yy)	
	645 4GBx1 1600MHz 50 6-3220 4GBx1 1600MHz 50 6-3220 4GBx1 1600MHz 50 6-3470S 4GBx1 1600MHz 50 6-3470S 4GBx1 1600MHz 17	00G 7200 DVD±RW 00G 7200 DVD±RW 00G 7200 DVD±RW TB 7200 DVD±RW	Intel HD None HD 2500 None HD 2500 None Intel HD None HD 2500 None HD 4000 None	None M None M None M None M None M	Media Pa Media Pa Media Pa Media Pa Media Pa Media Pa	arallel Sarallel Sarallel Sarallel Sarallel Sarallel Sarallel Sarallel Sarallel S	Serial Serial Serial Serial Serial	None N None N None N None N None N	lone Wir lone Wir lone Wir lone Wir lone Wir lone Wir	n8 Pro64	10/23/12 10/23/12 10/23/12 10/23/12 10/23/12 10/23/12	
3493-AVG 3x3 G 3493-AWG 3x3 G 3493-AYG 3x3 i3 3493-AZG 3x3 i5	870 4GBx1 1600MHz 50		Intel HD None HD 2500 None	None M	1edia Pa 1edia Pa	arallel S arallel S	Serial I Serial I	None N None N	lone Wir Ione Wir	n7 Pro64 n7 Pro64 n7 Pro64 n7 Pro64	10/23/12 10/23/12	
	7-3770S 4GBx1 1600MHz 17 3-2130 4GBx1 1600MHz 50		HD 4000 None HD 2000 None							n7 Pro64 n7 Pro64	10/23/12 11/20/12	
Positioning Processor	Stylish design, reliability, and Intel® Pentium® G645 Procintegrated Intel HD Graphics Intel Pentium G870 Process integrated Intel HD Graphics Intel Core™ i3-2130 Process integrated Intel HD Graphics Intel Core i3-3220 Process integrated Intel HD Graphics Intel Core i5-3470S Process Turbo Boost 2.0 (3.6GHz), ir integrated 1600MHz dual-ch Intel Core i7-3770S Proces Turbo Boost 2.0 (3.9GHz), ir integrated 1600MHz dual-ch Intel Core i7-3770S Proces Turbo Boost 2.0 (3.9GHz), ir integrated 1600MHz dual-ch	essor (2 cores / 2 the s, integrated DDR3 m ssor (2 cores / 2 three ssor (2 cores / 4 three s 2000, integrated DD stor (2 cores / 4 three s 2500, integrated DD ssor (4 cores / 4 three stepres (4 cores / 8 three	reads, 2.9GHz, emory controller eads, 3.1GHz, 3I emory controller eads, 3.4GHz, 3I R3 memory con- ds, 3.3GHz, 3M R3 memory con- eads, 2.9GHz, 6I 00 Graphics, / controller, Virtu- eads, 3.1GHz, 8I aphics 4000,	3MB cacl (up to 10 //B cache (up to 13 //B cache roller (up 3 cache), roller (up //B cache alization	066MHz) 2), 333MHz) 2), 0 to 1333(0 to 1600(2), Technolo	MHz)	Some: \ Some: \ Some: \ Some: \ Some: \ Trink Think Think Lenov Lenov	Windows preinstal rights in Windows Windows ded appl bws 7 m Vantage Vantage Vantage vo® Mess vo Simple	lled throu Window s 8 64-bi s 8 Pro 6 lications nodels Product Power Notes Commu- sage Cere eTap	fessional (ugh down s 8 Pro 64 it	grade 4-bit me listed)	
Implementation	Processor in LGA1155 sock	,	Controller, virtu	alization	1 C CHHOIC	ygy		e® Reade		ntiala		
Memory	16GB max, UDIMM, PC3-12		two 240-nin DI	:			™ Esser					
Graphics	Intel HD Graphics / 2000 / 2 one VGA, one DVI-D, support Maximum resolution: 2560x	2500 / 4000 in proces rts dual independent	ssor, uses main i display	nemory,		•	Corel® Burn.Now™ (DVD±RW) Corel DVD MovieFactory® (DVD±RW) - Windows 8 models Lenovo Support Lenovo Companion Lenovo Cloud Storage Lenovo QuickLaunch Norton™ Studio Intel AppUp® AccuWeather PC Device Stage Evernote® Intel Small Business Advantage					
DP dongle Disk Optical SATA controller Onboard SATA eSATA port Media reader Chinact	None SATA 3.0Gb/s 7200 rpm Super Multi-Burner DL DVD: Serial ATA, SATA 3.0Gb/s, in Two SATA cables (each 1-dr None 9-in-1 media reader, internal	ntegrated in chipset op to device), three S		nnectors (on plana	ır						
Chipset	Intel H61 Express Chipset						Cyberlink Power2Go (DVD±RW)					
Front ports Rear ports	Two USB 2.0, microphone (s Four USB 2.0, optional seria VGA DB-15, DVI-D	al (9-pin), optional par	allel (25-pin), eth	ernet (R	,,	•	 Cýberlink PowerProdùcer (DVD±RW) - All models 					
	Line-in (stereo, 3.5mm), line Three USB 2.0 planar conn None None High Definition (HD) Audio, I Internal speaker for business Gigabit ethernet port, Realte None	(1 used; two open for Realtek [®] ALC662 cod s audio	additional USB		nm)		ThinkVantage System Update Lenovo Solution Center View Management Utility Norton Internet Security (30 days of virus definitions) Microsoft® Office preloaded; purchase a product key to activate Skype™					
Security chip Keyboard	None Lenovo® Slim USB Keyboard)								
Mouse Floor Stand Power supply	Enhanced Optical USB Mou None 180 watts, universal, manua		IO.									
Machine	 Glossy black bezel; metal 13.2" W X 15.0" D X 3.9" I 336mm W X 382mm D X 13.2 lb (6.0 kg) in maximu Highlighted optical drive be 	case -I 101mm H m configuration utton for easy access					entire -Padlo	ock to se system tock loop	to fixed of the contract of th	for opt pac	dlock)	
Slot	Bay 1: 5.25", 1.6" high, acce Bay 2: 3.5", 1" high, no acce Bay 3: 1.5", 35" high, acces "bay only available on mode Slot 1: Low Profile, PCI Expr	ess, std disk s, opt reader* Is with media reader ress [®] 2.0 x16 (40w m		disk	optical		-Security slot (in rear for optional Kensington® MicroSaver® cable) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard and mouse • Individual USB port disablement RoHS-compliant					
Limited Warranty		x1 rice, 8 am-5 pm, Mon	- Fri coverage e	xcluding	public ar	nd [
	equire an addtior	nai next b	ousiness	uay —				Technolog	gies			

Slot x Type-model bay Pro	PCIe SATA disk SATA Mini Card Blue- Media Parallel Ser ocessor Memory [®] GB rpm optical Graphics WLAN tooth reader port po		Floor stand	Global	Keyboar	d Preload	Ann date (mm/dd/yy)			
3493-HFG 3x3 G			None		Slim	Win7 Pro64				
3493-HJG 3x3 G			None		Full	Win7 Pro64				
3493-HKG 3x3 G 3493-HLG 3x3 G			None None		Slim Slim	Win7 Pro64 Win8 64	03/05/13			
3493-K9G 3x3 G			None		Slim	Win7 Pro64				
3493-KAG 3x3 i3			None		Slim	Win7 Pro64				
3493-KBG 3x3 i3			None		Full	Win7 Pro64				
3493-KPG 3x3 G			None		Slim	Win8 64	06/11/13			
3493-KQG 3x3 G 3493-KRG 3x3 G			None		Slim Full	Win7 Pro64 Win7 Pro64				
	i-3470S 4+2GB 128G SSD DVD±RW HD 2500 None None Media Parallel Se		None		Slim	Win7 Pro64				
3493-L6G 3x3 G		Serial	None	None	Slim	Win8 64	07/09/13			
	-3330S 4GBx1 500G 7200 DVD±RW HD 2500 None None Media Parallel Se		None		Full	Win7 Pro64				
	i-3330S 4GBx1 128G SSD DVD±RW HD 2500 None None Media Parallel Se	erial	None		Full	Win7 Pro64	09/03/13			
Positioning Processor	Stylish design, reliability, and productivity for small/medium businesses Intel® Pentium® G2020 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache), integrated Intel HD Graphics, 1333MHz dual-channel DDR3 memory controller Intel Pentium G2030 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), integrated Intel HD Graphics, 1333MHz dual-channel DDR3 memory controller Intel Pentium G2120 Processor (2 cores / 2 threads, 3.1GHz, 3MB cache), integrated Intel HD Graphics, 1600MHz dual-channel DDR3 memory controller Intel Pentium G2130 Processor (2 cores / 2 threads, 3.2GHz, 3MB cache), integrated Intel HD Graphics, 1600MHz dual-channel DDR3 memory controller Intel Core™ i3-3240 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), integrated Intel HD Graphics 2500, 1600MHz dual-channel DDR3 memory controller Intel Core i5-3330S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD 2500 Graphics, 1600MHz DDR3 memory controllet Core i5-3470S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD 2500 Graphics, 1600MHz DDR3 memory controllet Core i5-3470S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD 2500 Graphics, 1600MHz DDR3 memory controllet Core i5-3470S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD 2500 Graphics, 1600MHz DDR3 memory controllet Core i5-3470S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD 2500 Graphics, 1600MHz DDR3 memory controllet Core i5-3470S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD 2500 Graphics, 1600MHz DDR3 memory controllet Core i5-3470S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD 2500 Graphics, 1600MHz DDR3 memory controllet Core i5-3470S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD 2500 Graphics, 1600MHz DDR3 memory controllet Core i5-3470S Processor (4 cores / 4 threads, 2.9GHz	roller	Some Prelo - Wir Thi Thi Ler Ler Add Wir	e: Wind preir right: e: Wind aded a ndows nkVant nkVant nkVant novo® M novo Si obe® Rendows	dows® 7 nstalled to so in Windows 8 6 applicati 7 mode age® Produce Pow age Cor Message mpleTap eader® Live™ Es	ions (only solis boduct Recove ver Manager nmunication I Center Plus ssentials	grade 4-bit me listed)			
						^и (DVD±RW) Factory® (DVF)+RW)			
Memory	16GB max, UDIMM , PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets System automatically clocks down for processors with 1333MHz DDR3 memory controller		Corel DVD MovieFactory® (DVD±RW) Windows 8 models							
Graphics	Intel HD Graphics or Intel HD Graphics 2500 in processor,		Lenovo Support Lenovo Companion							
	uses main memory, one VGA, one DVI-D, supports dual independent display; Maximum resolution: 2560x1600 (VGA) @ 60Hz; 1920x1200 (DVI-D) @ 60Hz		 Lenovo Cloud Storage Lenovo QuickLaunch Norton™ Studio 							
DP dongle	None									
Disk	ard Disk Drive (SATA 3.0Gb/s 7200 rpm) or Solid State Drive (SSD)									
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive				JWeather					
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset		PC Device Stage Evernote®							
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar	ar	Intel Small Business Advantage							
eSATA port Media reader	None 9-in-1 media reader, internal USB 2.0					Go (DVD±RW				
Chipset	Intel H61 Express Chipset		Cyberlink PowerProducer (DVD±RW) All models							
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		ThinkVantage System Update							
Rear ports	Four USB 2.0, optional serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA DB-15, DVI-D		LerVie	novo So w Man	olution C agemen	enter t t Utility				
	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)		 Norton Internet Security (30 days of virus definitions) 							
PCIe WLAN	r Three USB 2.0 planar conn (1 used; two open for additional USB devices) None		Microsoft® Office preloaded;							
Bluetooth	None		purchase a product key to activate • Skype™							
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		U SK	ype						
Speaker	Internal speaker for business audio									
Ethernet Intel AMT	Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None									
Security chip	None									
Keyboard	Some: Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® log	ao	1							
•	Some: Lenovo Slim USB Keyboard (ÙSB connector), black, Lénovo logo	J-								
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo									
Floor Stand Power supply	None 180 watts, universal, manual switch									
Machine	Glossy black bezel; metal case		Secu	ritv						
Machine	• 13.2" W X 15.0" D X 3.9" H • 336mm W X 382mm D X 101mm H • 13.2 lb (6.0 kg) in maximum configuration		One enti	e lock t re syst	em to fix	e both cover a sed object: ear for opt pa				
	Highlighted optical drive button for easy access		-Se	curity s	slot (in re	ear for optiona	al [′]			
Bay	Bay 1: 5.25", 1.6" high, access, std optical		Ke	nsinģto	n® Micro	Saver® [∶] cable	e)			
	Bay 2: 3.5", 1" high, no access, std disk	٠١			passwor itor pass					
Slot	Bay 3: 1.5", .35" high, access, opt reader (bay 3 only comes with opt media reader) Slot 1: Low Profile, PCI Express® 2.0 x16 (40w max)	,	• Hai	d disk	passwor	ď				
Ciot	Slot 2: Low Profile, PCIe 2.0 x1		• Boo	ot sequ	ence co	ntrol				
	3: Low Profile, PCIe 2.0 x1									
Limited Warranty		ınd		S-comp			-			
	national holidays. Calls received after 3 pm will require an additional next business of service dispatch / service upgrades available	day	ty :							
	ior service dispaterry service appraises available	Supports ThinkVantage Technologies								

	Slot x bay		Memory ⁸	SATA disk 2 GB rpm				PCIe Mini Card WLAN			Parallel port		Global Ke	eyboard	Preload	Ann date (mm/dd/yy)
3485-H7G	3x3	G2020	4GBx1	500G 7200	None	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	Full	None	03/12/13

- $\bullet \textit{Small and medium business (SMB) model(s), part of the Western Europe TopSeller^{\text{\tiny{IM}}} \textit{ Program }$
- 1-year limited warranty

Docitionina	Ctulish decign valishility and productivity for analyze divine having	Duele aded energing accessors				
Positioning Processor	Stylish design, reliability, and productivity for small/medium businesses Intel® Pentium® G2020 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache),	Preloaded operating system No operating system				
	integrated Intel HD Graphics,	No operating system				
Implementation	integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket					
Memory	16GB max, UDIMM , PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets System automatically clocks down for processors with 1333MHz DDR3 memory controller					
Graphics	Intel HD Graphics in processor, uses main memory, DirectX® 10.1, one VGA, one DVI-D, supports dual independent display; Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz					
DP dongle	None					
Disk	SATA 3.0Gb/s 7200 rpm					
Optical SATA controller Onboard SATA eSATA port	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s, integrated in chipset Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar None					
Media reader	9-in-1 media reader, internal USB 2.0					
Chipset	Intel H61 Express Chipset					
Front ports Rear ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0, optional serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA DB-15, DVI-D					
PCIe WLAN	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) Three USB 2.0 planar conn (1 used; two open for additional USB devices) None					
Bluetooth Audio	None High Definition (HD) Audio, Realtek® ALC662 codec					
Speaker	Internal speaker for business audio					
IEEE 1394	None					
Ethernet Intel AMT	Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None					
Modem	None					
Security chip	None					
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo					
Mouse Power supply	Enhanced Optical USB Mouse, black, Lenovo logo 180 watts, universal, manual switch					
Machine	Glossy black bezel; metal case 6.3" W X 15.7" D X 15.6" H (with handle) 160mm W X 399mm D X 397mm H 16.5 lb (7.5 kg) in maximum configuration Ergonomic rubberized handle Highlighted optical drive button for easy access					
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 1.5", .35" high, access, opt reader* Bay 3: 3.5", 1" high, no access, std disk *bay only available on models with media reader installed optical					
Slot	Slot 1: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1	Security • One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional				
	<u>als</u>	Kensington® MicroSaver® cable) • Power-on password • Administrator password • Hard disk password • Boot sequence control				
		 Boot without keyboard and mouse 				
Limited Warranty	1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	Individual USB port disablement				
·	national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	RoHS-compliant Supports ThinkVantage Technologies				
	101 001 1100 diopatori / 301 1100 apgrades available	Supports minkvantage rechnologies				

ThinkCentre Edge 72 Tower (3484) - TopSeller

Slot x Type-model bay Processor	Memory ⁸	SATA disk 2 GB rpm	2nd Disl Bay		(Graphics	PCIe /lini Card WLAN		Media reader	Parallel port		Global	Win7 preload	Ann date (mm/dd/yy)
3484-FMG 3x3 G640	2GBx1 1600MHz	250G 7200	None	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	Pro 64	06/19/12
3484-FNG 3x3 G850	2GBx1 1600MHz	500G 7200	None	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	Pro 64	06/19/12
3484-FPG 3x3 i3-2120	2GBx1 1600MHz	500G 7200	None	DVD±RW	HD 2000	None	None	Media	Parallel	Serial	None	Pro 64	06/19/12
3484-FQG 3x3 i3-2120	4GBx1 1600MHz	500G 7200	None	DVD±RW	HD 2000	None	None	Media	Parallel	Serial	None	Pro 64	06/19/12
3484-CTG 3x3 G640	2GBx1 1600MHz	500G 7200	None	DVD±RW	Intel HD	None	None	None	Parallel	None	None	Prem 6	4 08/21/12
3484-CUG 3x3 i3-2120	2GBx1 1600MHz	500G 7200	None	$DVD \pm RW$	HD 2000	None	None	None	Parallel	None	None	Prem 6	4 08/21/12

- •Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 1-year limited warranty

Positioning Processor Implementation Memory Graphics DP dongle	Stylish design, reliability, and productivity for small/medium businesses Intel® Pentium® G640 Processor (2 cores / 2 threads, 2.8GHz, 3MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Pentium G850 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core™ i3-2120 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket 16GB max, UDIMM, PC3-12800 1600MHz DDR3, two 240-pin DIMM sockets System automatically clocks down for processors with 1066MHz or 1333MHz DDR3 memory controller Intel HD Graphics or Intel HD Graphics 2000 in processor, uses main memory, HDCP, DirectX® 10.1, one VGA, one DVI-D, supports dual independent display Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz None	Preloaded operating system Some: Genuine Windows® 7 Professional 64 Some: Genuine Windows 7 Home Premium 64 Ready to install applications (only some listed) ■ Rescue and Recovery™ ■ Password Manager Preloaded applications (only some listed) ■ ThinkVantage® Product Recovery ■ ThinkVantage System Update ■ ThinkVantage Power Manager ■ ThinkVantage Communication Utility ■ View Management Utility ■ Lenovo Solution Center
Disk	SATA 3.0Gb/s 7200 rpm	Lenovo Message Center Plus
Optical SATA controller Onboard SATA eSATA port Media reader	SAIA 3.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s, integrated in chipset Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar None Some: 9-in-1 media reader, internal USB 2.0	Lenovo SimpleTap Norton™ Internet Security (30 days of virus definitions) Adobe® Reader® Skype™ for Windows Windows Live™ Essentials
Chipset	Intel H61 Express Chipset	 Microsoft® Office preloaded;
Front ports Rear ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0, optional serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA DB-15, DVI-D	purchase a product key to activate • Corel® Burn.Now™ (DVD±RW) • Corel DVD MovieFactory® (DVD±RW)
PCIe WLAN Bluetooth Audio Speaker IEEE 1394 Ethernet Intel AMT Modem Security chip	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) Three USB 2.0 planar conn (1 used; two open for additional USB devices) None None High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio None Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None None None None Lenovo® Slim USB Keyboard (USB connector), black, Lenovo logo	
Keyboard Mouse Power supply	Enovo Silm USB Reyboard (USB connector), black, Lenovo logo Enhanced Optical USB Mouse, black, Lenovo logo 180 watts, universal, manual switch	
Machine	Glossy black bezel; metal case 6.3" W X 15.7" D X 15.6" H (with handle) 160mm W X 399mm D X 397mm H 16.5 lb (7.5 kg) in maximum configuration Ergonomic rubberized handle Highlighted optical drive button for easy access	Security
Вау	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 1.5", .35" high, access, opt reader* Bay 3: 3.5", 1" high, no access, std disk *bay only available on models with media reader installed	One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable)
Slot	Slot 1: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1	Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement
Limited Warranty	1-year , limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	RoHS-compliant Supports ThinkVantage Technologies

Slot x Type-model bay Pr		SATA disk 2n GB rpm	Bay	optical	Graphics		Blue- tooth	reader	Parallel port	port				Ann date (mm/dd/yy)				
3484-FRG 3x3 i5		500G 7200 I					None		Parallel		None		Pro 64	06/19/12				
3484-KJG 3x3 G		500G 7200 I					None		Parallel		None		None	03/12/13				
3484-KKG 3x3 G		500G 7200 I					None		Parallel		None		None	03/12/13				
3484-KLG 3x3 i3- 3484-KMG 3x3 i5-		500G 7200 I 500G 7200 I					None None		Parallel Parallel		None None		None None	03/26/13 03/26/13				
3484-L3G 3x3 i3		500G 7200 I					None		Parallel		None		None	05/28/13				
3484-LAG 3x3 G		500G 7200 I					None		Parallel		None		None	06/11/13				
3484-LBG 3x3 G		500G 7200 I					None		Parallel				None	06/11/13				
3484-LHG 3x3 i5		500G 7200 I					None		Parallel		None		None	06/11/13				
3484-LJG 3x3 i3		500G 7200 I					None		Parallel				None	06/11/13				
3484-LZG 3x3 i5		500G 7200 I					None		Parallel				None	09/03/13				
3484-N1G 3x3 i5	-3330S 4GBx1	500G 7200 I	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Full	None	09/03/13				
Positioning Processor	Stylish design, re Intel® Pentium® integrated Intel F Intel Pentium Gi integrated Intel F Intel Core™ i3-3 integrated Intel F Intel Core i3-32 integrated Intel F Intel Core i5-33. Turbo Boost 2.0 Intel Core i5-34. Turbo Boost 2.0	G2020 Process ID Graphics, 1 2030 Process ID Graphics, 1 220 Processo ID Graphics 25 40 Processor ID Graphics 25 30S Processo (3.2GHz), Intel 70S Processo (3.6GHz), Intel	ssor (2 c 333Ml 333Ml 333Ml or (2 c 500, 10 (2 cor 500, 10 or (4 c or (4 c or (4 c	2 cores / 2 Hz dual-cha cores / 2 th Hz dual-cha ores / 4 the 6600MHz du res / 4 the 6600MHz du ores / 4 the 500 Graph ores / 4 the	threads, annel DDF nreads, 3.3 annel DDF reads, 3.3 ual-channe ads, 3.4G ial-channe reads, 2.7 ics, 1600M reads, 2.9	2.9GHz, 33 memo 0GHz, 3 33 memo GHz, 3M 1 DDR3 Hz, 3ME 1 DDR3 GHz, 6M 1Hz DDF GHz, 6M	, 3MB of the control of the case of the ca	troller che), troller ne), ry contro e), ry contro ne), nory cor ne),	oller oller ntroller	Some: Some: Some: Ready t listed) Rescue Passy Preload listed) Think	No oper Genuine Professi to insta ue and f word Ma led app	Recovery inager ilications	stem us® 7 ations (o					
Implementation Memory	Processor in LG/ 16GB max, UDIN System automati	MM, PC3-1280 ically clocks do	own fo	OMHz DDF r processo	13 , two 240 rs with)-pin DII	MM soc	kets		ThinkThink	Vantage Vantage	e System e Power N e Commu ement Uti	Manager Inication	Utility				
Overbies	1333MHz DDR3	-		hi 0500						Lenov	∕o Solut	ion Cente	er					
Graphics DB donale	Intel HD Graphics or Intel HD Graphics 2500 in processor, uses main memory one VGA, one DVI-D, supports dual independent display; Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz • Lenovo Message Center • Lenovo Simple Tap • Norton™ Internet Securi												urity					
DP dongle	None	200									ays or vi e® Reac		ilions)					
Disk	SATA 3.0Gb/s 72		\A / C AT	FA 1 FOb/s	Duties							Vindows						
Optical	Super Multi-Burn				Drive								ntials					
SATA controller Onboard SATA	Serial ATA, SATA Two SATA cables		_		CATA 2 OC	h/o oon	nootor	on nlo	nor	 Windows Live™ Essentials Microsoft® Office preloaded; 								
eSATA port	None	s (each 1-ulop	to dev	ice), iiiiee	3AIA 3.00	3D/5 COI	mecion	s on pia	IIai			roduct ke		ate				
Media reader	9-in-1 media rea	der. internal U	SB 2.0)								Now™ (D' ovieFacto		D+RW)				
Chipset	Intel H61 Expres		02 2.0	•								o v.o. ao	o., (211					
Front ports	Two USB 2.0, mi		ren 3	5mm) hea	dnhone (s	tereo 3	5mm)											
Rear ports	Four USB 2.0, or VGA DB-15, DVI	otional serial (9 -D	9-pin),	optional pa	arallel (25-	pin), eth	erneť (, .										
Rear audio ports Internal connector PCIe WLAN	Three USB 2.0 p																	
Bluetooth	None None																	
Audio	High Definition (I	HD) Audio Rea	altek®	AI C662 cc	ndec													
Speaker	Internal speaker			/ (LOOOL OC	Juco													
IEEE 1394	None	101 200111000 0	aaio															
Ethernet	Gigabit ethernet	port, Realtek F	RTL81	11E, Wake	on LAN®													
Intel AMT	None			,														
Modem	None																	
Security chip	None																	
Keyboard	Some: Preferred Some: Lenovo S	Slim USB Keyt	oard ((ÙSB conn	ector), bla	04-key, b ck, Lenc	lack, Le	enovo® l	ogo									
Mouse Power supply	Enhanced Optica 180 watts, univer		,	, Lenovo IO	yu													
Machine	Glossy black b																	
	 6.3" W X 15.7" 160mm W X 39 16.5 lb (7.5 kg) Ergonomic rub Highlighted op 	D X 15.6" H (v 99mm D X 397) in maximum oberized handle tical drive butto	with ha 7mm H configu e on for e	I uration easy acces	ss		1	tical		entire -Padlo	ock to se system ock loop	ecure bot to fixed of (in rear f	object: for opt pa	dlock)				
Bay	Bay 1: 5.25", 1.6' Bay 2: 1.5", .35" Bay 3: 3.5", 1" high *bay only availab	high, access, ogh, no access,	opt rea	ader* sk	r installed					KensiPowerAdmir	ington® r-on pas nistrator	passwor	/er® [∙] cable					
Slot	Slot 1: half-length Slot 2: half-length Slot 3: half-length	h, full-height, F h, full-height, F h, full-height, F	PCI Ex PCIe 2. PCIe 2.	press [®] 2.0 .0 x1 .0 x1	x16 (60w	-	disk			Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement								
Limited Warranty	1-year, limited								and	RoHS-c			Jabiettiet					
-	national holidays					addtion	al next	busines	os uay 🖡				Toobasts	aioo				
	for service dispa	atcn / service u	pgrad	es available	9					Support	s i nink	Vantage [*]	recnnolo	yıes				

Slot x	PCIe SATA disk 2nd Disk SATA Mini Card Blue- Media	
Type-model bay F	Processor Memory [®] GB rpm Bay optical Graphics WLAN tooth reader	port port Global Preload (mm/dd/yy)
3484-BAG 3x3 (Parallel Serial None Win8 Pro64 10/23/12
3484-BBG 3x3 (Parallel Serial None Win8 Pro64 10/23/12
3484-BCG 3x3 i		Parallel Serial None Win8 Pro64 10/23/12
3484-BDG 3x3 i		Parallel Serial None Win8 Pro64 10/23/12
3484-GEG 3x3 i		Parallel Serial None Win8 Pro64 10/23/12 Parallel Serial None Win8 Pro64 10/23/12
3484-CZG 3x3 (Parallel Serial None Win7 Pro64 10/23/12
3484-DAG 3x3 (Parallel Serial None Win7 Pro64 10/23/12
3484-DBG 3x3 i		Parallel Serial None Win7 Pro64 10/23/12
3484-DCG 3x3 i	3-3220 4GBx1 1600MHz 1TB 7200 None DVD±RW HD 2500 None None Media	Parallel Serial None Win7 Pro64 10/23/12
3484-DDG 3x3 i	5-3470S 4GBx1 1600MHz 500G 7200 None DVD±RW HD 2500 None None Media	Parallel Serial None Win7 Pro64 10/23/12
3484-DUG 3x3 i	3-2130 4GBx1 1600MHz 500G 7200 None DVD±RW HD 2000 None None Media	Parallel Serial None Win7 Pro64 11/20/12
3484-HMG 3x3 i	5-3470S 4GBx1 1600MHz 500G 7200 None DVD±RW HD 2500 None None Media	Parallel Serial None Win8 Pro64 12/04/12
Positioning	Stylish design, reliability, and productivity for small/medium businesses	Preloaded operating system
Processor	Intel® Pentium® G645 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache),	Some: Windows® 7 Professional 64
	integrated Intel HD Graphics, integrated DDR3 memory controller (up to 1066MHz)	preinstalled through downgrade
	Intel Pentium G870 Processor (2 cores / 2 threads, 3.1GHz, 3MB cache),	rights in Windows 8 Pro 64-bit
	integrated Intel HD Graphics, integrated DDR3 memory controller (up to 1333MHz) Intel Core™ i3-2130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache),	Some: Windows 8 Pro 64-bit
	integrated Intel HD Graphics 2000, integrated DDR3 memory controller (up to 1333MHz)	Preloaded applications (only some listed)
	Intel Core i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache),	- Windows 7 models
	integrated Intel HD Graphics 2500, integrated DDR3 memory controller (up to 1600MHz)	ThinkVantage® Product Recovery
	Intel Core i5-3470\$ Processor (4 cores / 4 threads, 2.9GHz, 6MB cache),	ThinkVantage Power Manager
	Turbo Boost 2.0 (3.6GHz), integrated Intel HD 2500 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	ThinkVantage Communication Utility
	Intel Core i5-3570S Processor (4 cores / 4 threads, 3.1GHz, 6MB cache),	Lenovo® Message Center Plus Lenovo® SimpleTen
	Turbo Boost 2.0 (3.8GHz), integrated Intel HD 2500 Graphics,	Lenovo SimpleTap Adobe® Reader®
	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Windows Live™ Essentials
Implementation	Processor in LGA1155 socket	Corel® Burn.Now™ (DVD±RW)
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3, two 240-pin DIMM sockets	 Corel DVD MovieFactory® (DVD±RW)
	System automatically clocks down for processors with 1066MHz or 1333MHz DDR3 memory controller	- Windows 8 models
Craphica	<u> </u>	Lenovo Support
Graphics	Intel HD Graphics, Intel HD Graphics 2000, or Intel HD Graphics 2500 in processor, uses main memory, one VGA, one DVI-D, supports dual independent display	Lenovo Companion
	Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz	Lenovo Cloud Storage
DP dongle	None	Lenovo QuickLaunch Norton™ Studio
Disk	SATA 3.0Gb/s 7200 rpm	Intel AppUp®
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	AccuWeather
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset	PC Device Stage
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar	Evernote® Intel Small Pusiness Advantage
eSATA port	None	Intel Small Business AdvantageCyberlink Power2Go (DVD±RW)
Media reader	9-in-1 media reader, internal USB 2.0	Cyberlink PowerProducer (DVD±RW)
Chipset	Intel H61 Express Chipset	- All models
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	ThinkVantage System Update
Rear ports	Four USB 2.0, optional serial (9-pin), optional parallel (25-pin), ethernet (RJ-45),	Lenovo Solution Center
	VGA DB-15, DVI-D	 View Management Utility
	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)	 Norton Internet Security
	r Three USB 2.0 planar conn (1 used; two open for additional USB devices)	(30 days of virus definitions) • Microsoft® Office preloaded;
PCIe WLAN Bluetooth	None None	purchase a product key to activate
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	• Skype TM
Speaker	Internal speaker for business audio	
Ethernet	Gigabit ethernet port, Realtek RTL8111E, Wake on LAN®	
Intel AMT	None	
Security chip	None	
Keyboard	Lenovo® Slim USB Keyboard (USB connector), black, Lenovo logo	1
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Power supply	180 watts, universal, manual switch	
Machine	Glossy black bezel; metal case	1
	• 6.3" W X 15.7" D X 15.6" H (with handle)	
	• 160mm W X 399mm D X 397mm H	Security
	• 16.5 lb (7.5 kg) in maximum configuration	One lock to secure both cover and ontire system to fixed chicat:
	 Ergonomic rubberized handle Highlighted optical drive button for easy access 	entire system to fixed object: -Padlock loop (in rear for opt padlock)
Bay	Bay 1: 5.25", 1.6" high, access, std optical	-Security slot (in rear for optional
,	Bay 2: 1.5", .35" high, access, opt reader*	Kensington® MicroSaver® cable)
	Bay 3: 3.5", 1" high, no access, std disk	Power-on password
01.1	*bay only available on models with media reader installed Slot 1: half-length, full-height, PCI Express® 2.0 x16 (60w max)	Administrator password
Slot	Slot 1: half-length, full-height, PCI Express® 2.0 x16 (60w max)	Hard disk password Boot sequence control
	Slot 2: half-length, full-height, PCle 2.0 x1 Slot 3: half-length, full-height, PCle 2.0 x1	Boot sequence control Boot without keyboard and mouse
Limite al Marinio		Individual USB port disablement
Limited Warranty	1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day	RoHS-compliant
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies
	coco diopatori, coi vice apgitato avallable	

Slot x Type-model bay Pi	SATA disk 2nd Disk SATA Mini Card Blue- Media Parallel ocessor Memory [®] GB rpm Bay optical Graphics WLAN tooth reader port	Serial port Global Keyboard Preload Ann date (mm/dd/yy)				
3484-JPG 3x3 G 3484-JQG 3x3 G 3484-JRG 3x3 G 3484-JSG 3x3 G 3484-JTG 3x3 G 3484-JUG 3x3 G 3484-JVG 3x3 i5 3484-JWG 3x3 i5 3484-JYG 3x3 i5	2020 4GBx1 500G 7200 None DVD±RW Intel HD None None Media Parallel 2020 4GBx1 1TB 7200 None DVD±RW Intel HD None None Media Parallel 2020 4GBx1 1TB 7200 None DVD±RW Intel HD None None Media Parallel 2120 4GBx1 500G 7200 None DVD±RW Intel HD None None Media Parallel 2120 4GBx1 500G 7200 None DVD±RW Intel HD None None Media Parallel 2120 4GBx1 500G 7200 None DVD±RW Intel HD None None Media Parallel 3470S 4GBx1 1TB 7200 None DVD±RW HD 2500 None None Media Parallel 3470S 4GBx1 1TB 7200 None DVD±RW HD 2500 None None Media Parallel 3470S 4GBx1 1TB 7200 None DVD±RW HD 7450 None None Media Parallel	Serial None Full Win7 Pro64 03/05/13 Serial None Full Win7 Pro64 03/05/13 Serial None Slim Win7 Pro64 03/05/13 Serial None Full Win7 Pro64 03/05/13 Serial None Full Win7 Pro64 03/05/13 Serial None Full Win7 Pro64 03/05/13 Serial None Slim Win7 Pro64 03/05/13 Serial None Full Win7 Pro64 03/05/13				
3484-JZG 3x3 i5	-3470S 4GBx1 1TB 7200 None DVD±RW HD 7450 None None Media Parallel	Serial None Slim Win7 Pro64 03/05/13				
Positioning Processor Implementation Memory	Stylish design, reliability, and productivity for small/medium businesses Intel® Pentium® G2020 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Pentium G2120 Processor (2 cores / 2 threads, 3.1GHz, 3MB cache), integrated Intel HD Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i5-3470S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD 2500 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket 16GB max, UDIMM, PC3-12800 1600MHz DDR3, two 240-pin DIMM sockets	Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) • Rescue and Recovery™ • Password Manager Preloaded applications (only some listed) • ThinkVantage® Product Recovery				
	System automatically clocks down for processors with 1333MHz DDR3 memory controller	ThinkVantage System UpdateThinkVantage Power Manager				
Graphics	Some: Intel HD Graphics or Intel HD Graphics 2500 in processor, uses main memory, one VGA, one DVI-D, supports dual independent display; Maximum resolution: 2560x1600 (VGA) @ 60Hz; 1920x1200 (DVI-D) @ 60Hz Some: AMD Radeon™ HD 7450, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express™ 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort™, 25 watts; Maximum resolution: 2560x1600 (DisplayPort, DVI-I) @ 60Hz; works along with Intel HD Graphics to support up to four independent monitors	 ThinkVantage Communication Utility View Management Utility Lenovo Solution Center Lenovo Message Center Plus Lenovo Simple Tap Norton™ Internet Security (30 days of virus definitions) Adobe® Reader® Skype™ for Windows 				
DP dongle	None	 Windows Live™ Essentials 				
Disk Optical SATA controller Onboard SATA eSATA port Media reader	SATA 3.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s, integrated in chipset Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar None 9-in-1 media reader, internal USB 2.0	 Microsoft® Office preloaded; purchase a product key to activate Corel® Burn.Now™ (DVD±RW) Corel DVD MovieFactory® (DVD±RW) 				
Chipset	Intel H61 Express Chipset					
Front ports Rear ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0, optional serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA DB-15, DVI-D					
Internal connector PCIe WLAN Bluetooth Audio Speaker Ethernet Intel AMT Security chip	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) Three USB 2.0 planar conn (1 used; two open for additional USB devices) None None High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None None					
Keyboard Mouse Power supply	Some: Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Some: Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo Enhanced Optical USB Mouse, black, Lenovo logo 180 watts, universal, manual switch					
Machine Bay Slot	Glossy black bezel; metal case 6.3" W X 15.7" D X 15.6" H (with handle) 160mm W X 399mm D X 397mm H 16.5 lb (7.5 kg) in maximum configuration Ergonomic rubberized handle Highlighted optical drive button for easy access Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 1.5", .35" high, access, opt reader* Bay 3: 3.5", 1" high, no access, std disk bay only available on models with media reader installed Slot 1: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1	Security One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control				
Limited Warranty	1-year , limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an addtional next business day for service dispatch / service upgrades available	Boot without keyboard and mouse Individual USB port disablement RoHS-compliant Supports ThinkVantage Technologies				

### Alt-14. Ga 3d. 33-3240 4 (Bbt 1) 500G 7200 None DVD-EPW HD 12500 None None Media Parallel Serial None Silm Win7 Pro64 0522115 ### Alt-14. Ga 3d. 33-3240 4 (Bbt 1) 500G 7200 None DVD-EPW HD 12500 None None Media Parallel Serial None Full Win7 Pro64 0522115 ### Alt-14. Ga 3d. 33-3240 4 (Bbt 1) 500G 7200 None DVD-EPW HD 12500 None None Media Parallel Serial None Full Win7 Pro64 0522115 ### Alt-14. Ga 3d. 33-3240 4 (Bbt 1) 118 7200 None DVD-EPW HD 12500 None None Media Parallel Serial None Full Win7 Pro64 0522115 ### Alt-14. Ga 3d. 33-3240 4 (Bbt 1) 118 7200 None DVD-EPW HD 12500 None None Media Parallel Serial None Full Win7 Pro64 0522115 ### Alt-14. Ga 3d. 33-3240 4 (Bbt 1) 118 7200 None DVD-EPW HD 1840 None None Media Parallel Serial None Full Win7 Pro64 0522115 ### Alt-14. Ga 3d.			
### H49-H40 A3 33 3-34 0 488H 1 178 7200 None DVD-RW H20 200 None None Media Parallel Serial None Full Win7 Pro64 05 2211 ### H49-H40 A3 33 3-34 0 488H 178 7200 None DVD-RW H20 200 None None Media Parallel Serial None Slim Win7 Pro64 05 2211 ### H49-H40 A3 32 3-34 0 488H 178 7200 None DVD-RW H20 200 None None Media Parallel Serial None Full Win7 Pro64 05 2211 ### H49-H40 A3 32 3-34 0 488H 178 7200 None DVD-RW H20 200 None None Media Parallel Serial None Full Win7 Pro64 05 2211 ### H49-H40 A3 32 0 488H 1000 7200 None DVD-RW H10 H10 None None Media Parallel Serial None Full Win7 Pro64 05 1211 ### H49-H40 A3 0 2039 408H 1000 7200 None DVD-RW H10 H10 None None Media Parallel Serial None Slim Win7 Pro64 05 1211 ### H49-H40 A3 0 2039 408H 1000 7200 None DVD-RW H10 H10 None None Media Parallel Serial None Slim Win7 Pro64 05 1211 ### H49-H40 A3 0 2039 408H 1000 7200 None DVD-RW H10 H10 None None Media Parallel Serial None Slim Win7 Pro64 05 1211 ### H49-H40 A3 0 2039 408H 1000 7200 None DVD-RW H10 H10 None None Media Parallel Serial None Slim Win7 Pro64 05 1211 ### H49-H40 A3 0 2039 408H 1000 7200 None DVD-RW H10 H10 None None Media Parallel Serial None Slim Win7 Pro64 05 1211 ### H49-H40 A3 0 2039 408H 1000 7200 None DVD-RW H10 H10 None None Media Parallel Serial None Slim Win7 Pro64 05 1211 ### H49-H40 A3 0 2039 408H 1000 7200 None DVD-RW H10 H10 None None Media Parallel Serial None Slim Win7 Pro64 05 1211 ### H49-H40 A3 0 2039 408H 1000 7200 None DVD-RW H10 H10 None None Media Parallel Serial None Slim Win7 Pro64 05 1211 ### H40 1200 None DVD-RW H10 H10 None None Media Parallel Serial None Slim Win7 Pro64 05 1211 ### H40 1200 None None None Media Parallel Serial None Slim Win7 Pro64 05 1211 ### H40 1200 None None None M40 None None M40 None None M40 None None None M40 None None M40 None None None M40 None None M40 None None None None M40 None None None M40 None None None None None None None None		SATA disk 2nd Disk SATA Mini Card Blue- Media Parallel	
##84-16 343 63-240 408H 178 2200 None DVD-RW HD 2500 None None Media Parallel Sarial None Sim Win7 Pro64 052811 484-16 343 6329 408H 178 2200 None DVD-RW HD 2500 None None Media Parallel Saria None Full Win7 Pro64 052811 484-16 34 6329 408H 178 200 None DVD-RW HIRE HD None None Media Parallel Sarial None Full Win7 Pro64 052811 484-16 34 6329 408H 178 200 None DVD-RW HIRE HD None None Media Parallel Sarial None Full Win7 Pro64 052811 484-16 34 6329 408H 178 200 None DVD-RW HIRE HD None None Media Parallel Sarial None Full Win7 Pro64 052811 484-16 34 63209 408H 178 2200 None DVD-RW HIRE HD None None Media Parallel Sarial None Full Win7 Pro64 061111 484-16 34 63209 408H 178 2200 None DVD-RW HIRE HD None None Media Parallel Sarial None Full Win7 Pro64 061111 484-16 34 63209 408H 178 2200 None DVD-RW HIRE HD None None Media Parallel Sarial None Full Win7 Pro64 061111 484-16 34 63209 408H 178 2200 None DVD-RW HIRE HD None None Media Parallel Sarial None Full Win7 Pro64 061111 484-16 34 63209 408H 178 2200 None DVD-RW HIRE HD None None Media Parallel Sarial None Full Win7 Pro64 061111 484-16 34 63209 408H 178 2200 None DVD-RW HIRE HD None None Media Parallel Sarial None Full Win7 Pro64 061111 484-16 34 63209 408H 178 2200 None DVD-RW HIRE HD None None Media Parallel Sarial None Full Win7 Pro64 061111 484-16 34 63209 408H 178 2200 None DVD-RW HIRE HD None None Media Parallel Sarial None Full Win7 Pro64 061111 484-16 34 63209 408H 178 2200 None DVD-RW HIRE HD None None Media Parallel Sarial None Full Win7 Pro64 061111 484-16 34 63209 408H 178 2200 None DVD-RW HIRE HD None None Media Parallel Sarial None Full Win7 Pro64 061111 484-16 34 63209 408H 178 2200 None DVD-RW HIRE HD None None Media Parallel Sarial None Full Win7 Pro64 061111 484-16 34 645 408 408 408 408 408 408 408 408 408 408			
##84-126 3x3 G3240 4GBH 100 7200 None DVD-RW Intel HD 2500 None None Mode Parallel Serial None Full Win7 Pro64 05/28/11 468-1463 3x3 G319 4GBH 15006 7200 None DVD-RW Intel HD None None Media Parallel Serial None SIM Win7 Pro64 05/28/11 468-1463 3x3 G3219 4GBH 15006 7200 None DVD-RW Intel HD None None Media Parallel Serial None Full Win7 Pro64 05/28/11 468-1463 3x3 G309 4GBH 178 7200 None DVD-RW Intel HD None None Media Parallel Serial None Full Win7 Pro64 05/28/11 484-1463 3x3 G309 4GBH 178 7200 None DVD-RW Intel HD None None Media Parallel Serial None Full Win7 Pro64 05/28/11 484-1463 3x3 G309 4GBH 178 7200 None DVD-RW Intel HD None None Media Parallel Serial None Full Win7 Pro64 05/28/11 484-1463 3x3 G309 4GBH 178 7200 None DVD-RW Intel HD None None Media Parallel Serial None Full Win7 Pro64 05/28/11 484-1463 3x3 G309 4GBH 178 7200 None DVD-RW Intel HD None None Media Parallel Serial None Full Win7 Pro64 05/28/11 484-1463 3x3 G309 4GBH 178 7200 None DVD-RW Intel HD None None Media Parallel Serial None Full Win7 Pro64 05/28/11 484-1463 3x3 G309 4GBH 178 7200 None DVD-RW Intel HD None None Media Parallel Serial None Full Win7 Pro64 05/28/11 4x3 Gabba (None Full Win7			
### H48-H49 GA 32 GA 320 4 GABX 500G 720 None DVD-RW Intel HD None None Media Parallel Serial None SIm Win7 Pro46 05/2811 484-H2G 33 GA 320 4 GABX 500G 720 None DVD-RW Intel HD None None Media Parallel Serial None SIm Win7 Pro46 06/28114 484-H2G 33 GA 320 4 GABX 500G 720 None DVD-RW Intel HD None None Media Parallel Serial None SIm Win7 Pro46 06/21114 484-H2G 33 GA203 4 GABX 500G 720 None DVD-RW Intel HD None None Media Parallel Serial None SIm Win7 Pro46 06/21114 484-H2G 33 GA203 4 GABX 500G 720 None DVD-RW Intel HD None None Media Parallel Serial None Full Win7 Pro46 06/11114 484-H2G 33 GA203 4 GABX 500G 720 None DVD-RW Intel HD None None Media Parallel Serial None Full Win7 Pro46 06/11114 484-H2G 33 GA204 4 GABX 500G 720 None DVD-RW Intel HD None None Media Parallel Serial None Full Win7 Pro46 06/11114 484-H2G 33 GA204 4 GABX 500G 720 None DVD-RW Intel HD None None Media Parallel Serial None Full Win7 Pro46 06/11114 484-H2G 720 None DVD-RW Intel HD None None Media Parallel Serial None Full Win7 Pro46 06/11114 484-H2G 720 Processor (2 cores / 2 threads, 3.0GHz, 3/MB cache), integrated 160/MHz dual-channel DDR3 memory controller Virtualization Technology Integrated 160/MHz dual-channel DDR3 memory controller Virtual			
### H384-LG 33 G2030 4GBxt 500G 7200 None DVD-RW Intel HD None None Media Parallel Serial None Full Win7 Pro64 66F111/ ### H384-LG 33 G2030 4GBxt 1000G 7200 None DVD-RW Intel HD None None Media Parallel Serial None Full Win7 Pro64 66F111/ ### H384-LG 33 G2030 4GBxt 118 7200 None DVD-RW Intel HD None None Media Parallel Serial None Full Win7 Pro64 66F111/ ### H384-LG 33 G2030 4GBxt 118 7200 None DVD-RW Intel HD None None Media Parallel Serial None Full Win7 Pro64 66F111/ ### H384-LG 33 G2030 4GBxt 118 7200 None DVD-RW Intel HD None None Media Parallel Serial None Full Win7 Pro64 66F111/ ### H384-LG 33 G2030 4GBxt 118 7200 None DVD-RW Intel HD None None Media Parallel Serial None Full Win7 Pro64 66F111/ ### H384-LG 33 G2030 4GBxt 118 7200 None DVD-RW Intel HD None None Media Parallel Serial None Full Win7 Pro64 66F111/ ### H384-LG 33 G2030 4GBxt 118 7200 None DVD-RW Intel HD None None Media Parallel Serial None Full Win7 Pro64 66F111/ ### H384-LG 33 G2030 4GBxt 118 7200 None DVD-RW Intel HD None None Media Parallel Serial None Full Win7 Pro64 66F111/ ### H384-LG 33 G2030 4GBxt 118 7200 None DVD-RW Intel HD None None Media Parallel Serial None Full Win7 Pro64 66F11/ ### H384-LG 33 G2030 4GBxt 118 7200 None DVD-RW Intel HD None None Media Parallel Serial None Full Win7 Pro64 66F11/ ### H384-LG 33 G2030 4GBxt 118 7200 None DVD-RW Intel HD None None Media Parallel Serial None Sint Win7 Pro64 66F11/ ### H384-LG 33 G2030 4GBxt 118 7200 None DVD-RW Intel HD None None None Media Parallel Serial None Sint Win7 Pro64 66F11/ ### H384-LG 33 G2030 4GBxt 118 7200 None DVD-RW Intel HD None None None None None None None None			
### ALF Cas 26 (2003 4 GBst 1 TB 7200 None DVD-RW Intel HD None None Media Parallal Serial None Full Win7 Pro64 06/11/11 ### ALF 26 (2003 4 GBst 1 TB 7200 None DVD-RW Intel HD None None Media Parallal Serial None Full Win7 Pro64 06/11/11 ### ALF 26 (2003 4 GBst 1 TB 7200 None DVD-RW Intel HD None None Media Parallal Serial None Full Win7 Pro64 06/11/11 ### ALF 26 (2003 4 GBst 1 TB 7200 None DVD-RW Intel HD None None Media Parallal Serial None Full Win7 Pro64 06/11/11 ### ALF 26 (2003 4 GBst 1 TB 7200 None DVD-RW Intel HD None None Media Parallal Serial None Full Win7 Pro64 06/11/11 ### ALF 26 (2003 4 GBst 1 TB 7200 None DVD-RW Intel HD None None Media Parallal Serial None Full Win7 Pro64 06/11/11 ### ALF 26 (2003 4 GBst 1 TB 7200 None PVD-RW Intel HD None None None Media Parallal Serial None Full Win7 Pro64 06/11/11 ### ALF 26 (2003 4 GBst 1 TB 7200 None PVD-RW Intel HD None None None None None None None None			
### A44-LEG 3x3 G2030 4 GBxt 1 TB 7200 None DVD-RW Intel HD None None Media Parallel Serial None Sim Win7 Pro46 06/11/11 Win4-LEG 3x3 G2030 4 GBxt 1 TB 7200 None DVD-RW Intel HD None None Media Parallel Serial None Fibr 77 Pro46 06/11/11 Win7 Pro46 06/11 Win7 Pro46 06/11/11 Win7 Pro46 06/11 Win7 Pro46 06/11 Win7 Win7 Win7 Win7 Win7 Win7 Win7 Win7			
### HAPLER 332 G203 4 GEXt 1TB 7200 None DVDERW Intel HD None None Media Parallel Serial None Full Win7 Proc4 06/11/15 Processor Volume Volume			
Processor Intel® Pentium G2030 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), intel® Pentium G2030 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), integrated Intel® IDG applice, sort of the processor (2 cores / 2 threads, 3.2GHz, 3MB cache), integrated Intel® IDG applice, sort of the processor (2 cores / 2 threads, 3.2GHz, 3MB cache), integrated 160MHz duck-channel DDR3 memory controller. Virtualization Technology integrated 160MHz channel DDR3 memory controller. Virtualization Technology integrated 160MHz duck-channel DDR3 memory controller. Virtualization Vir			
Infel® Pentium® (2030 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), integrated Intel HD Graphics, integrated 1333MHz dusl-channel DDR3 memory controller, Virtualization Technology integrated 1333MHz dusl-channel DDR3 memory controller, Virtualization Technology integrated 1300MHz dusl-channel DDR3 memory controller (2 cores / 2 threads, 3.4CHz, 3MB cache), integrated 1600MHz dusl-channel DDR3 memory controller (2 cores / 4 threads, 3.4CHz, 3MB cache), integrated Intel HD Graphics 2500 in processor, with 1533MHz DDR3 memory controller Intel HD Graphics or Intel HD Graphics 2500 in processor, uses main memory, one VQA, one DVH-D, supports dual independent display; uses main memory, one VQA, one DVH-D, supports dual independent display; uses main memory, one VQA, one DVH-D, supports dual independent display; uses main memory, one VQA, one DVH-D, supports dual independent display; uses main memory, one VQA, one DVH-D, supports dual independent display; uses main memory, one VQA, one DVH-D, supports dual independent display; uses main memory, one VQA, one DVH-D, supports dual independent display; uses main memory, one VQA, one DVH-D, supports dual independent display; uses main memory, one VQA, one DVH-D, supports dual independent display; uses main memory, one VQA, one DVH-D, supports dual independent display; uses main memory, one VQA, one DVH-D, supports dual independent display; uses main memory, one VQA, one DVH-D, supports dual independent display; uses main memory, one VQA, one DVH-D, supports dual independent display; uses main memory, one VQA, one DVH-D, supports dual independent display; uses main memory, one VQA, one DVH-D, supports dual independent display; one DVH-D, supports dual independent display; one DVH-D, supports dual inde	3484-LFG 3x3 G	i2030 4GBx1 1TB 7200 None DVD±RW Intel HD None None Media Parallel	Serial None Full Win7 Pro64 06/11/13
System automatically clocks down for processors with 1333MHz DDR3 memory controller Graphics Intel HD Graphics 200 in processor, uses main memory, one VGA, one DV-ID, supports dual independent display; Maximum resolution: 2560x1600 (VGA) @ 60Hz; 1920x1200 (DVI-D) @ 60Hz None DP dongle SATA 3.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive SATA controller Drohboard SATA SATA 9.0Gb/s 7400 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s, integrated in chipset Two SATA cables (acch 1-drop to device), three SATA 3.0Gb/s connectors on planar None None Schippet Intel H61 Express Chipset Front ports Four USB 2.0, polional serial (9-pin), optional parallel (25-pin), ethernet (Ru-45), VGA DB-15, DVI-D Rear audio ports Internal connector Three USB 2.0, polional serial (9-pin), optional parallel (25-pin), ethernet (Ru-45), VGA DB-15, DVI-D Rear audio ports Internal connector Three USB 2.0, polional serial (9-pin), optional parallel (25-pin), ethernet (Ru-45), VGA DB-15, DVI-D Rear audio ports Internal connector Three USB 2.0, polional serial (9-pin), optional parallel (25-pin), ethernet (Ru-45), VGA DB-15, DVI-D Rear audio ports Internal connector Three USB 2.0, polional serial (9-pin), optional parallel (25-pin), ethernet (Ru-45), VGA DB-15, DVI-D Rear audio ports Internal speaker for business audio Gigabit ethernet port, Realtek RTLB111E, Wake on LAN* None None Works Some: Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo* logo Some: Lenovo Silm USB Keyboard (USB connector), black, Lenovo* logo Internal speaker for business audio Gigabit ethernet port, Realtek RTLB111E, Wake on LAN* None Some: Proferred Pro USB Keyboard (USB connector), black, Lenovo* logo Internal Speaker or business audio Gigabit ethernet port, Realtek RTLB111E, Wake on LAN* None Some: Preferred Pro USB Keyboard (USB connector), black, Lenovo* logo Internal Speaker (Brota) black bezel metal Casanh handle • Glössy black bezel metal Casanh handle • Highlighted optical drive business	Positioning Processor	Intel® Pentium® G2030 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Pentium G2130 Processor (2 cores / 2 threads, 3.2GHz, 3MB cache), integrated Intel HD Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core™ i3-3240 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) ■ Rescue and Recovery™ ■ Password Manager Preloaded applications (only some
Intel HD Graphics or Intel HD Graphics 2500 in processor uses main memory, one V6A, one DVI-D supports dual independent display; uses main memory, one V6A, one DVI-D supports dual independent display; which was main memory, one V6A, one DVI-D supports dual independent display; which was main memory, one V6A, one DVI-D supports dual independent display; which was maintained by the V6A of the	Memory	System automatically clocks down for processors with	ThinkVantage System Update
De dongle None Dick SATA 3.0Gb/s 7200 rpm Optical Sper Multi-Burner DL DVD-RW SATA 1.5Gb/s Drive SATA controll Security Optical SATA 2.0Gb/s 7200 rpm Super Multi-Burner DL DVD-RW SATA 1.5Gb/s Drive SATA controll Serial ATA, SATA 3.0Gb/s, integrated in chipse! Onboard SATA None SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar None SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar None SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar None Media reader 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, optional serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VAD AD-B-15, DVI-D Rear audio ports Internal connecture in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) Internal connecture in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) Internal connecture in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) None None None Bluetooth None Muse Belar Bay 1.55 Same: Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo Internal speaker for business audio Gigabit ethernet port, Realtek RTL8111E, Wake on LAN* None None Security chip Machine • Glossy black bezel; metal case • G.3* WX 15.7* DX 15.6* H (with handle) • 165 lb (7.5 kg) in maximum configuration • Ergonomic nubberized handle • Highlighted optical USB Mouse, black, Lenovo logo IBB way 23.25; 1.6* high, access, std official Bay 21.5; 3.5* high, access, std official Bay 21.5; 1.6*	Graphics	Intel HD Graphics or Intel HD Graphics 2500 in processor, uses main memory, one VGA, one DVI-D, supports dual independent display;	ThinkVantage Communication Utility View Management Utility Lenovo Solution Center
Dick Optical Spare Multi-Burner DL DVD-RW SATA 1.5Gb/s Drive SATA controller Spare Austral-Burner DL DVD-RW SATA 1.5Gb/s Drive SATA controller Spare Austral-Burner DL DVD-RW SATA 1.5Gb/s Drive SATA controller Spare Austral-Burner DL DVD-RW SATA 1.5Gb/s Drive SATA controller Spare Austral-Burner DL DVD-RW SATA 1.5Gb/s Drive SATA controller Spare Austral-Burner DL DVD-RW SATA 1.5Gb/s Drive SATA controller Spare Austral-Burner DL DVD-RW SATA 1.5Gb/s Drive SATA controller Spare Austral-Burner DL DVD-RW SATA 1.5Gb/s Drive SATA controller Spare Austral-Burner DL DVD-RW SATA 1.5Gb/s Drive SATA controller Spare Austral-Burner DL DVD-RW SATA 1.5Gb/s Drive SATA controller Spare Austral-Burner DL DVD-RW SATA 1.5Gb/s Drive Spare Austral-Burner Drive Spare Austral-Burner Drive Spare Austral-Burner Drive Spare Austral-Burner Drive Spare Burner Spare Burn	DP dongle		
Optical Super Multi-Burner Di. DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s, integrated in chipset Onboard SATA Serial ATA, SATA 3.0Gb/s, integrated in chipset Onboard SATA Serial ATA, SATA 3.0Gb/s, integrated in chipset Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar None 9-in-1 media reader, internal USB 2.0 Intel H61 Express Chipset Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0, microphone (stereo, 3.5mm), incorphone (stereo, 3.5mm) Four USB 2.0, optional serial (9-pin), optional parallel (25-pin), eithernet (RJ-45), VGA DB-15, DVI-D None None None None None None None None	Disk		Norton™ Internet Security
SANA Carlos ANA, On Cobbs, integrated in Chipse SATA 3.0Gb/s connectors on planar ASATA port Media reader in Mone SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar ASATA port Media reader in media reader, internal USB 2.0 Intel H61 Express Chipset Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0, optional serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA DB-15, DVI-D Rear audio ports Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) Internal connector Three USB 2.0 planar conn (1 used; two open for additional USB devices) None None None None Security or bown in the media reader in the MAT None Security or bown in the media peaker for business audio Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None Security or hone Some: Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo Enhanced Potical Hone ■ Glossy Black bezel; metal case ■ 6.3 'W N.15.7" D X 15.6 'H (with handle) ■ 16.5 lb (7.5 kg) in maximum configuration ■ Ergonomic rubberized handle ■ Highlighted optical drive button for easy access Bay 1.5.25", 1.6 'high, access, std disk Bay 3.15', 35' high, access, opt reader Bay 3.15', 35' high, access, opt reade	Optical		(30 days of virus definitions)
Windows Live** Essentials None Para audio ports Ine-In (Stereo, 3.5mm), headphone (stereo, 3.5mm) Rear audio ports Ine-In (stereo, 3.5mm), hine-out (stereo, 3.5mm), headphone (stereo, 3.5mm) Rear audio ports Ine-In (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) Rear audio ports Ine-In (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) Rear audio ports Ine-In (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) Rear audio ports Ine-In (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) Rear audio ports Ine-In (stereo, 3.5mm), line-out (stereo, 3.5mm) Rear ports Rear audio ports Ine-In (stereo, 3.5mm), line-out (stereo, 3.5mm) Rear ports Rear audio ports Ine-In (stereo, 3.5mm), line-out (stereo, 3.5mm) Rear ports Rear audio ports Ine-In (stereo, 3.5mm), line-out (stereo, 3.5mm) Rear ports Rear	SATA controller		
Microsoft** Office preloaded; 9-in-1 media reader; internal USB 2.0 Chipset Intel H61 Express Chipset Front ports Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Rear ports VGA DB-15, DVI-D Four USB 2.0, optional serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA DB-15, DVI-D Line-In (stereo, 3.5mm), line-out (stereo, 3.5mm) microphone (stereo, 3.5mm) Internal connector Three USB 2.0 planar conn (1 used; two open for additional USB devices) PCIe WLAN None Ruetooth None Ruetooth None Richermal speaker for business audio Ethernet Intel AMT None Security chip None Security chip None Mouse Enhanced Optical USB Mouse, black, Lenovo logo Hadchine ■ Glossy black bezel; metal case ■ 6.3° W X 15.7° D X 15.6° H (with handle) ■ 16.5 bt (7.5 kg) in maximum configuration ■ Ergonomic rubberized handle ■ Highlighted optical drive button for easy access Bay 1.5.25°, 1.5° high, access, std disk Pay only available on models with media reader installed Slot 1: half-length, full-height, PCIE zypress* (2.0 x16 (60w max) Slot 2: half-length, full-height, PCIE zypress* (2.0 x16 (60w max) Slot 3: half-length, full-height, PCIE 2.0 x1 Limited Warranty 1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and antional holidays. Calls received after 3 pm will require an additional next business day For service dispatch (5 expresse varies available) ■ Correll DVD MovieFactory* (DVD±RW) ■ Corell DVD Movi		, ,	
Chipset Intel H61 Express Chipset 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, optional serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA DB-15, DVI-D Rear audio ports Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) Internal connector Three USB 2.0 planar conn (1 used; two open for additional USB devices) PCIG WLAN None Rear audio ports Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) None Rear audio ports Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) None Rear audio ports Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) None Rear audio ports Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm) None Rear audio ports Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm) None Rear audio ports Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm) None Rear audio ports Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm) None Rear audio ports Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm) None Rear audio ports Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm) None Rear audio ports Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm) None Rear audio ports Rear			 Microsoft® Office preloaded;
Front ports Rear ports Four USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 2.0, optional serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA DB-15, DVI-D Rear audio ports Limited alconnector Three USB 2.0 planar conn (1 used; two open for additional USB devices) Rear audio ports Rear audio ports Limited Connector Three USB 2.0 planar conn (1 used; two open for additional USB devices) Rear audio ports None Rear Bluetooth None Ruddo High Definition (HD) Audio, Realtek* ALC662 codec Internal speaker for business audio Gigabit ethernet port, Realtek RTL8111E, Wake on LAN* None Security chip None Reyboard Some: Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo* logo Enhanced Optical USB Mouse, black, Lenovo logo 180 watts, universal, manual switch Machine Giossy black bezel; metal case Gas* W X 15.7* D X 15.6* H (with handle) 160mm W X 399mm D X 397mm H 16.5 lb (7.5 kg) in maximum configuration Ergonomic rubberized handle Highlighted optical drive button for easy access Bay 15.25*, 1.5* high, access, stot optical Bay 2: 1.5*, 35* high, access, opt reader* Bay 3: 3.5*, 1* high, no access, std disk "bay only available on models with media reader installed Slot 1: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1 Limited Warranty 1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service ungrades available Individual USB port disablement Road-Scompliant Red.Scompliant Fortic VSB 2.0 shows a control optical displanation and additional next business day for service dispatch, veryice ungrades available Road-Scompliant Road-Scompliant			
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Internal connector Three USB 2.0 planar conn (1 used; two open for additional USB devices) PCIe WLAN None Bluetooth None Speaker Internal speaker for business audio Ethernet Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None Security chip None Keyboard Some: Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Some: Lenovo Slim USB Keyboard (USB connector), black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo Mouse Enhanced Optical USB Mouse, black, Lenovo logo Power supply 180 watts, universal, manual switch Machine Glossy black bezel; metal case 6.3" W X 15.7" D X 15.6" H (with handle) 160mm W X 399mm D X 397mm H 16.5 lb (7.5 kg) in maximum configuration Ergonomic rubberized handle Highlighted optical drive button for easy access Bay 3: 3.5", 1" high, access, opt reader® Ba	Rear ports	Four USB 2.0, optional serial (9-pin), optional parallel (25-pin), ethernet (RJ-45),	
Bluetooth None Audio High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® Intel AMT None Security chip None Keyboard Some: Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Some: Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo Bouse Enhanced Optical USB Mouse, black, Lenovo logo Power supply 180 watts, universal, manual switch Machine Glossy black bezel; metal case G.3" W X 15.7" D X 15.6" H (with handle) Frognomic rubberized handle Floring have sopposed by a system of six and sopposed by the work of the state of the system of six and sopposed by	Internal connector	Three USB 2.0 planar conn (1 used; two open for additional USB devices)	
Internal speaker for business audio	Bluetooth		
Ethernet Intel AMT None Keyboard Some: Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Some: Lenovo Slim USB Keyboard (USB connector), black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo Bower supply 180 watts, universal, manual switch Machine 6 Glossy black bezel; metal case 6.3" W X 15." D X 15.6" H (with handle) 16.5 lb (7.5 kg) in maximum configuration Ergonomic rubberized handle Highlighted optical drive button for easy access Bay 1:5.25", 1.6" high, no access, std disk bay only available on models with media reader installed Slot 1: half-length, full-height, PCI e 2.0 x 1 Limited Warranty 1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available.	Audio		
Intel AMT None Security chip None Keyboard Some: Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Some: Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo Enhanced Optical USB Mouse, black, Lenovo logo Power supply 180 watts, universal, manual switch Glossy black bezel; metal case 6.3" W X 15.7" D X 15.6" H (with handle) 16.5 lb (7.5 kg) in maximum configuration Fregonomic rubberized handle Highlighted optical drive button for easy access Bay 1.5.25", 1.6" high, access, std optical Bay 2: 1.5", .35" high, access, std optical Bay 2: 1.5", .35" high, no access, std disk bay only available on models with media reader installed Slot 1: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 2: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 3: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 3: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 3: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 3: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 3: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 3: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 3: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 3: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 3: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 3: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 3: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 3: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 3: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 3: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 3: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 3: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 3: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 3: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 3: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 3: ha	Speaker		
Security chip None			
Some: Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Some: Lenovo Sim USB Keyboard (USB connector), black, Lenovo logo Enhanced Optical USB Mouse, black, Lenovo logo 180 watts, universal, manual switch			
Some: Lenovo Slim USB Keyfoard (ÜSB connector), black, Lénovo logo Enhanced Optical USB Mouse, black, Lenovo logo 180 watts, universal, manual switch Machine • Glossy black bezel; metal case • 6.3" W X 15.7" D X 15.6" H (with handle) • 160mm W X 399mm D X 397mm H • 16.5 lb (7.5 kg) in maximum configuration • Ergonomic rubberized handle • Highlighted optical drive button for easy access Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 1.5", 35" high, access, opt reader* Bay 3: 3.5", 1" high, no access, std disk "bay only available on models with media reader installed Slot 3 lot 1: half-length, full-height, PCI express® 2.0 x16 (60w max) Slot 2: half-length, full-height, PCI e 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1 Limited Warranty 1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available			-
Mouse Enhanced Optical USB Mouse, black, Lenovo logo Power supply Glossy black bezel; metal case	Reyboard	Some: Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo	
Glossy black bezel; metal case	Mouse		
• 6.3" Ŵ X 15.7" D X 15.6" H (with handle) • 160mm W X 399mm D X 397mm H • 16.5 lb (7.5 kg) in maximum configuration • Ergonomic rubberized handle • Highlighted optical drive button for easy access Bay Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 1.5", .35" high, access, opt reader* Bay 3: 3.5", 1" high, no access, std disk *bay only available on models with media reader installed Slot 3: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1 Limited Warranty 1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service ungrades available	Power supply	•	
Bay 2: 1.5", .35" high, access, opt reader* Bay 3: 3.5", 1" high, no access, std disk *bay only available on models with media reader installed Slot Slot 1: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 2: half-length, full-height, PCle 2.0 x1 Slot 3: half-length, full-height, PCle 2.0 x1 Limited Warranty 1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available Becurity One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable) -Power-on password - Hard disk password - Boot sequence control - Boot without keyboard and mouse - Individual USB port disablement	Machine	6.3" W X 15.7" D X 15.6" H (with handle) 160mm W X 399mm D X 397mm H 16.5 lb (7.5 kg) in maximum configuration Ergonomic rubberized handle Highlighted optical drive button for easy access Bay 1: 5.25", 1.6" high, access, std optical	
Slot 1: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1 Limited Warranty 1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available.	-	Bay 2: 1.5", .35" high, access, opt reader* Bay 3: 3.5", 1" high, no access, std disk	Security
Limited Warranty 1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	Slot	Slot 1: half-length, full-height, PCI Express® 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1	One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse
for service dispatch / service upgrades available	Limited Warranty	1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	
Supports ThinkVantage Technologies		national holidays. Calls received after 3 pm will require an addtional next business day	RoHS-compliant
		ior service dispatcit/ service upgrades available	Supports ThinkVantage Technologies

Slot x Type-model bay Processor	SATA disk Memory [®] GB rpm		SATA optical (N Graphics	PCIe lini Card WLAN		Media reader	Parallel port		Global k	(eyboa	rd Preload	Ann date (mm/dd/yy)
3484-LPG 3x3 i5-3330S	4GBx1 500G 7200	None D\	VD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Slim	Win7 Pro64	09/03/13
3484-N2G 3x3 i5-3330S	4GBx1 500G 7200	None D\	VD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Full	Win7 Pro64	09/03/13
3484-N4G 3x3 i5-3330S	4GBx1 1TB 7200	None D\	VD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Slim	Win7 Pro64	09/03/13
3484-N5G 3x3 i5-3330S	4GBx1 1TB 7200	None D\	VD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Full	Win7 Pro64	09/03/13
3484-N6G 3x3 i5-3330S	4GBx1 1TB 7200	None D\	VD±RW	HD 7450	None	None	Media	Parallel	Serial	None	Full	Win7 Pro64	09/03/13
3484-N7G 3x3 i5-3330S	4GBx1 1TB 7200	None D\	VD±RW	HD 7450	None	None	Media	Parallel	Serial	None	Slim	Win7 Pro64	09/03/13

• Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program

- · · ·		I -
Positioning	Stylish design, reliability, and productivity for small/medium businesses	Preloaded operating system
Processor	Intel® Core™ i5-3330S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), integrated Intel HD 2500 Graphics,	Windows® 7 Professional 64
	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	preinstalled through downgrade rights in Windows 8 Pro 64-bit
Implementation	Processor in LGA1155 socket	Ready to install applications (only some
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3, two 240-pin DIMM sockets	listed)
	System automatically clocks down for processors with	 Rescue and Recovery[™]
	1333MHz DDR3 memory controller	Password Manager
Graphics	Some: Intel HD Graphics 2500 in processor,	Preloaded applications (only some
	uses main memory, one VGA, one DVI-D, supports dual independent display;	listed)
	Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz	ThinkVantage® Product Recovery
	Some: AMD Radeon™ HD 7450, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express® 2.0 x16 adapter,	ThinkVantage System Update
	one DVI-I (includes DVI-to-VGA dongle), one DisplayPort™, 25 watts;	ThinkVantage Power Manager ThinkVantage Communication Utility
	Maximum resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz;	View Management Utility
	works along with Intel HD Graphics to support up to four independent monitors	Lenovo Solution Center
DP dongle	None	Lenovo Message Center Plus
Disk	SATA 3.0Gb/s 7200 rpm	Lenovo SimpleTap Norton™ Internet Security
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	(30 days of virus definitions)
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset	Adobe® Reader®
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar	 Skype[™] for Windows
eSATA port Media reader	None 9-in-1 media reader, internal USB 2.0	Windows Live™ Essentials Migragett® Office proleaded:
Chipset	Intel H61 Express Chipset	Microsoft® Office preloaded; purchase a product key to activate
	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Corel® Burn.Now™ (DVD±RW)
Front ports Rear ports	Four USB 2.0, optional serial (9-pin), optional parallel (25-pin), ethernet (RJ-45),	 Corel DVD MovieFactory® (DVD±RW)
riear ports	VGA DB-15. DVI-D	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)	
	Three USB 2.0 planar conn (1 used; two open for additional USB devices)	
PCIe WLAN	None	
Bluetooth	None	
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	
Speaker	Internal speaker for business audio	
Ethernet Intel AMT	Gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None	
Security chip	None	
Keyboard		-
Reyboard	Some: Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Some: Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Power supply	180 watts, universal, manual switch	
Machine	Glossy black bezel; metal case	
	● 6.3" W X 15.7" D X 15.6" H (with handle)	
	 160mm W X 399mm D X 397mm H 16.5 lb (7.5 kg) in maximum configuration 	
	Ergonomic rubberized handle	
	Highlighted optical drive button for easy access	
Bay	Bay 1: 5.25", 1.6" high, access, std optical	
	Bay 2: 1.5", .35" high, access, opt reader*	
	Bay 3: 3.5", 1" high, no access, std disk *bay only available on models with media reader installed	
Slot	Slot 1: half-length, full-height, PCI Express® 2.0 x16 (60w max)	Security
2.01	Slot 2: half-length, full-height, PCIe 2.0 x1 □ □ □	One lock to secure both cover and entire system to fixed object:
	Slot 3: half-length, full-height, PCIe 2.0 x1	-Padlock loop (in rear for opt padlock)
		-Security slot (in rear for optional
		Kensington® MicroSaver® cable)
		Power-on password Administrator password
		Administrator password Hard disk password
	Ш	Boot sequence control
		 Boot without keyboard and mouse
Limited Warranty	1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	Individual USB port disablement
	national holidays. Calls received after 3 pm will require an additional next business day	RoHS-compliant
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies

ThinkCentre Edge 92z All-In-One





Lenovo ThinkCentre Edge 92z with Frame Stand



Lenovo ThinkCentre Edge 92z with Frame Stand



Lenovo ThinkCentre Edge 92z with Frame Stand



Handle



Lenovo ThinkCentre Edge 92z with Frame Stand



Lenovo ThinkCentre Edge 92z with Frame Stand

Type-model	Processor	Memory ⁸	Camera (mega- pixel)	Disk SATA GB rpm	mSATA SSD	SATA optical	Graphics	PCIe Mini Card WLAN / BT	Media reader	Key- board/ Mouse	Global	Win7 preload	Ann date (mm/dd/yy)
3396-B5G	i5-3470S	4GBx1	2.0M	500G 7200	None	DVD±RW	HD 2500	Intel 2230 + BT	Media	2.4G	None	Pro 64	07/10/12
3396-BMG	i3-2120	4GBx1	2.0M	500G 7200	None	DVD±RW	HD 2000	Intel 2230 + BT	Media	2.4G	None	Pro 64	07/10/12

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program

 Output

 Description:
- 1-year limited warranty

Positioning	Stylish All-In-One PC for small/medium businesses	Preloaded operating system
Processor	Intel® Core™ i3-2120 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD 2000 Graphics,	Genuine Windows® 7 Professional 64
	integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology	Ready to install applications (only some
	Intel Core i5-3470S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache),	listed)
	Turbo Boost 2.0 (3.6GHz), integrated Intel HD 2500 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Rescue and Recovery™ Rescue and Recovery™
Implementation	Processor in LGA1155 socket	Password Manager Business-in-a-Box
Memory	16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)	Preloaded applications (only some listed)
·	Intel HD Graphics 2000 or Intel HD Graphics 2500 in processor, use main memory, external digital monitor support via HDMI, supports dual independent display; Maximum resolution: 1920x1200 (HDMI) @ 60Hz	ThinkVantage® Product Recovery ThinkVantage System Update ThinkVantage Communication Utility
	21.5" (545.2mm) Full HD 1080p (1920x1080) TFT color , infinity display, IPS wide viewing angle, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio;	ThinkVantage Automatic Lock Utilitý ThinkVantage Power Manager View Management Utility
Multi-touch	works as standalone monitor via HDMI-in connector None	Lenovo Solution Center Lenovo Message Center Plus
Camera	Camera on top of screen, 2.0-megapixel, Full HD 1080p, fixed focus,	 Intel Small Business Advantage
	integrated digital MIC array with stereo, LED indicator	RapidBoot HDD Accelerator Lenovo SimpleTap
Controls Disk	Front facing buttons for brightness up, brightness down, power on/off, and Video in	 Norton™ Internet Security
mSATA™ SSD	SATA 6.0Gb/s, 3.5" Wide, 7200 rpm None	(30 days of virus definitions) • Adobe® Reader®
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable	Evernote®
Media reader	7-in-1 Single Slot SD media reader	Symantec™ VIP Skype™ for Windows
Chipset	Intel B75 Express Chipset	Windows Live™ Essentials
Rear ports Side ports	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Microsoft® Office preloaded; purchase a product key to activate
PCIe Mini Card	Two PCI Express® Mini Card slots	Corel® Burn.Now™ (DVD±RW)
PCIe WLAN⁴	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino wireless-N 2230,	 Corel DVD MovieFactory® (DVD±RW)
Bluetooth PCIe mSATA	Wi-Fi + Bluetooth combo adapter, 2x2 Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter One Mini PCIe mSATA slot	
Ethernet	One gigabit ethernet port, Intel 82579LM	
• • •	High Definition (HD) Audio, Realtek® ALC662 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync® certified	
	None None	
Keyboard	Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black	
Power supply	150 watts, autosensing, 85% PSU	
Machine	Model(s) with Frame stand:	
	Business black color STAN Y COUNTY OF THE PROPERTY OF	
	 21.5" W X 3.2" D X 16.3" H 545mm W X 81mm D X 414mm H (with feet) 	
	• 18.5 lb (8.4 kg) in maximum configuration	
	Handle in rear, removable feet	
	Support VESA mount (100mm)	
		Security Security Slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) Boot sequence control Boot without keyboard and mouse USB port disablement
Limited Warranty	1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day	ENERGY STAR® 5.2-compliant RoHS-compliant
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies

Type-model	Processor	Memory ⁸	Camera (mega- pixel)	Disk SATA GB rpm	mSATA SSD	SATA optical	Graphics	PCle Mini Card WLAN / BT	Media reader	Key- board/ Mouse	Global	Preload	Ann date (mm/dd/yy)
3396-C4G	i3-3220	4GBx1	2.0M	500G 7200	None	DVD±RW	HD 2500	Intel 2230 + BT	Media	2.4G	None	Win7 Pro6	4 11/13/12
3396-C5G	i5-3470S	4GBx1	2.0M	500G 7200	None	DVD±RW	HD 2500	Intel 2230 + BT	Media	2.4G	None	Win7 Pro6	4 11/13/12
3396-CSG	i5-3330S	4GBx1	2.0M	128G SSD	None	DVD±RW	HD 2500	Intel 2230 + BT	Media	2.4G	None	Win7 Pro6	4 03/05/13
3396-CTG	i5-3330S	4GBx1	2.0M	128G SSD	None	DVD±RW	HD 2500	Intel 2230 + BT	Media	2.4G	None	Win8 Pro6	4 03/05/13

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program •1-year limited warranty

Desitioning	Challah All In One DC for annull/readings have	Durate and and amounting a constant
Positioning Processor	Stylish All-In-One PC for small/medium businesses Intel® Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache),	Preloaded operating system
1 10003301	integrated Intel HD Graphics 2500,	Some: Windows® 7 Professional 64 preinstalled through downgrade
	integrated 1600MHz dual-channel DDR3 memory controller	rights in Windows 8 Pro 64-bit
	Intel Core i5-3330S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache),	Some: Windows 8 Pro 64-bit
	Turbo Boost 2.0 (3.2GHz), integrated Intel HD 2500 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Preloaded applications (only some listed)
	Intel Core i5-3470S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache),	- Windows 7 models
	Turbo Boost 2.0 (3.6GHz), integrated Intel HD 2500 Graphics,	ThinkVantage® Product Recovery
land barrantation	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	 ThinkVantage Communication Utility
Implementation	Processor in LGA1155 socket	ThinkVantage Power Manager Language Manager Contage Plus
Memory	16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)	Lenovo® Message Center Plus Intel Small Business Advantage
Graphics	Intel HD Graphics 2500 in processor, use main memory,	RapidBoot HDD Accelerator
	external digital monitor support via HDMI, supports dual independent display;	Lenovo SimpleTap
Widescreen	Maximum resolution: 1920x1200 (HDMI) @ 60Hz 21.5" (545.2mm) Full HD 1080p (1920x1080) TFT color, infinity display,	Adobe® Reader® Symantec™ VIP
display	IPS wide viewing angle, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio;	Windows Live™ Essentials
alopiay	works as standalone monitor via HDMI-in connector	 Corel® Burn.Now™ (DVD±RW)
Multi-touch	None	Corel DVD MovieFactory® (DVD±RW)
Camera	Camera on top of screen, 2.0-megapixel, Full HD 1080p, fixed focus,	- Windows 8 models
	integrated digital MIC array with stereo, LED indicator	Lenovo Support
Controls	Front facing buttons for brightness up, brightness down, power on/off, and Video in	Lenovo Settings
Disk	Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide	Lenovo Companion Lenovo Cloud Storage
∞CATA™ CCD	Some: Hard Disk Drive / SATA 6.0Gb/s, 3.5" Wide, 7200 rpm None	Lenovo QuickLaunch
mSATA™ SSD Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable	Norton™ Studio
Media reader	7-in-1 Single Slot SD media reader	Intel AppUp® AccuWeather
Chipset	Intel B75 Express Chipset	PC Device Stage
Rear ports	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in	Cyberlink Power2Go (DVD±RW)
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Cyberlink PowerProducer (DVD±RW)
PCIe Mini Card	Two PCI Express® Mini Card slots	- All models
PCIe WLAN ⁴	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino wireless-N 2230,	ThinkVantage System Update
Disease	Wi-Fi + Bluetooth combo adapter, 2x2	ThinkVantage Automatic lock Utility Lenovo Solution Center
Bluetooth PCIe mSATA	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter One Mini PCIe mSATA slot	View Management Utility
Ethernet	One gigabit ethernet port, Intel 82579LM	Norton Internet Security
Audio support	High Definition (HD) Audio, Realtek® ALC662 / Two internal stereo speakers (3watt x 2),	(30 days of virus definitions)
• • •	Dolby® Advanced Audio™ v2 certified, Microsoft Lync® certified	Microsoft® Office preloaded; purchase a product key to activate
Intel AMT	None	Evernote®
Security chip	None	● Skype™
Keyboard	Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black	
Mouse	Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black	
Power supply	150 watts, autosensing, 85% PSU	
Machine	Model(s) with Frame stand: • Business black color	
	• Business black color • 21.5" W X 3.2" D X 16.3" H	
	• 545mm W X 81mm D X 414mm H (with feet)	
	• 18.5 lb (8.4 kg) in maximum configuration	
	Handle in rear, removable feet	
	Support VESA mount (100mm)	Security
	,,	Security slot (in rear for attachment of
		optional Kensington® MicroSaver® cable;
		Kensington lock also locks chassis)
		Boot sequence control Boot without keyboard and mouse
		USB port disablement
Limited Warranty	1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	ENERGY STAR® 5.2-compliant
Emiliod vvarianty	national holidays. Calls received after 3 pm will require an additional next business day	RoHS-compliant
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies

Type-model	Processor	Memory ⁸	Camera (mega- pixel)	Disk SATA GB rpm	mSATA SSD	SATA optical	Graphics	PCIe Mini Card WLAN / BT	Media reader	Key- board/ Mouse	Global	Preload	Ann date (mm/dd/yy)
3418-D1G	i3-3240	4GBx1	2.0M	500G 7200	None	DVD+RW	HD 7650A	Intel 2230 + BT	Media	USB	None	Win8 64	05/28/13

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program

 Output

 Description:
- 1-year limited warranty

Positioning	Stylish All-In-One PC for small/medium businesses	Preloaded operating system
Processor	Intel® Core™ i3-3240 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache),	Windows® 8 64-bit
	integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller	Preloaded applications (only some listed)
Implementation	Processor in LGA1155 socket	ThinkVantage® System Update
Memory	16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)	ThinkVantage Automatic lock Utility View Management Utility
Graphics	AMD Radeon™ HD 7650A, 2GB memory, PCI Express® x16, 35 watts, DirectX® 11, external digital monitor support via HDMI, supports dual independent display; Maximum resolution: 1920x1200(HDMI)@60Hz	Lenovo® Support Lenovo Settings Lenovo Companion
Widescreen display	21.5" (545.2mm) Full HD 1080p (1920x1080) TFT color, infinity display, IPS wide viewing angle, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio;	Lenovo Cloud Storage Lenovo QuickLaunch Lenovo Solution Center
Multi-touch Camera	works as standalone monitor via HDMI-in connector None Camera on top of screen, 2.0-megapixel, Full HD 1080p, fixed focus,	Microsoft® Office preloaded; purchase a product key to activate Norton™ Internet Security Office preloaded; Product key to activate
Controls	integrated digital MIC array with stereo, LED indicator Front facing buttons for brightness up, brightness down, power on/off, and Video in	(30 days of virus definitions) Norton Studio Intel AppUp®
Disk mSATA™ SSD Optical Media reader	SATA 6.0Gb/s, 3.5" Wide, 7200 rpm None DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable 7-in-1 Single Slot SD media reader	AccuWeather PC Device Stage Evernote® Skype™
Chipset	Intel B75 Express Chipset	Cyberlink Power2Go (DVD±RW)
Rear ports Side ports PCIe Mini Card PCIe WLAN ⁴	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two PCI Express® Mini Card slots 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino wireless-N 2230,	Cyberlink PowerProducer (DVD±RW)
Bluetooth PCIe mSATA	Wi-Fi + Bluetooth combo adapter, 2x2 Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter One Mini PCIe mSATA slot	
Ethernet Audio support	One gigabit ethernet port, Intel 82579LM High Definition (HD) Audio, Realtek® ALC662 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync® certified	
Intel AMT Security chip	None None	
Keyboard Mouse Power supply	Lenovo® Slim New F5 USB Keyboard (USB connector), black Enhanced Optical USB Mouse, black 180 watts, autosensing, 92% PSU	
Machine	Model(s) with Frame stand: Business black color 21.5" W X 3.2" D X 16.3" H 545mm W X 81mm D X 414mm H (with feet) 18.5 lb (8.4 kg) in maximum configuration Handle in rear, removable feet Support VESA mount (100mm)	
		Security • Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) • Boot sequence control • Boot without keyboard and mouse • USB port disablement
Limited Warranty	1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day	ENERGY STAR® 5.2-compliant RoHS-compliant
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies

ThinkCentre Edge 92z (3414) - Multi-touch (TopSeller)

Product Specifications Reference (PSREF)

Type-mo	odel Proces	sor Memoi	Camera (mega- y ⁸ pixel)	Disk SATA GB rpm	mSATA SSD	SATA optical	Graphics	PCle Mini Card WLAN	Media reader	Key- board/ Mouse	Global	Win7 Ann date preload (mm/dd/yy)
3414-0	OG i3-21:	0 4GBx	1 2.0M	500G 7200	None	DVD+RW	HD 7650A	Intel 2230 + BT	Media	2.4G	None	Pro 64 07/10/12

- $\bullet \textit{Small and medium business (SMB) model(s), part of the Western Europe TopSeller^{\text{\tiny TM}} \ \textit{Program}$
- 1-year limited warranty

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Positioning Processor	Stylish All-In-One PC for small/medium businesses Intel® Core™ i3-2120 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache),	Preloaded operating system			
FIOCESSOI	integrated Intel HD 2000 Graphics,	Genuine Windows® 7 Professional 64			
	integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology				
Implementation	Processor in LGA1155 socket	Ready to install applications (only some listed)			
Memory	16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)	■ Rescue and Recovery [™]			
Graphics	AMD Radeon™ HD 7650A, 2GB memory, PCI Express® x16, 35 watts, DirectX® 11,	Password Manager			
	external digital monitor support via HDMI, supports dual independent display;	Business-in-a-Box			
	Maximum resolution: 1920x1200(HDMI)@60Hz	Preloaded applications (only some listed)			
Widescreen	21.5 " (545.2mm) Full HD 1080p (1920x1080) TFT color, infinity display,	ThinkVantage® Product Recovery			
display	IPS wide viewing angle, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio;	ThinkVantage System Update ThinkVantage Communication Litility			
Marile: Annuals	works as standalone monitor via HDMI-in connector	ThinkVantage Communication Utility ThinkVantage Automatic Lock Utility			
Multi-touch Camera	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch Camera on top of screen, 2.0-megapixel, Full HD 1080p, fixed focus,	ThinkVantage Power Manager			
Carriera	integrated digital MIC array with stereo, LED indicator	View Management Utility			
Controls	Front facing buttons for brightness up, brightness down, power on/off, and Video in	Microsoft Touch Pack Lenovo Solution Center			
Disk	SATA 6.0Gb/s, 3.5" Wide, 7200 rpm	Lenovo Message Center Plus			
mSATA™ SSD	None	Intel Small Business Advantage			
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable	RapidBoot HDD Accelerator Lenovo SimpleTap			
Media reader	7-in-1 Single Slot SD media reader	 Norton™ Internet Security 			
Chipset	Intel B75 Express Chipset	(30 days of virus definitions)			
Rear ports	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in	Adobe® Reader® Evernote®			
Side ports PCIe Mini Card	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two PCI Express® Mini Card slots	 Symantec™ VIP 			
PCIe WLAN ⁴	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino wireless-N 2230,	Skype™ for Windows			
	Wi-Fi + Bluetooth combo adapter, 2x2	 Windows Live™ Essentials Microsoft® Office preloaded; 			
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter	purchase a product key to activate			
PCIe mSATA Ethernet	One Mini PCIe mSATA slot One gigabit ethernet port, Intel 82579LM	Corel® Burn.Now™ (DVD±RW) (DVD±RW)			
Audio support	High Definition (HD) Audio, Realtek® ALC662 / Two internal stereo speakers (3watt x 2),	Corel DVD MovieFactory® (DVD±RW)			
Addie edppert	Dolby® Advanced Audio™ v2 certified, Microsoft Lync® certified				
Intel AMT	None				
Security chip	None				
Keyboard	Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black				
Mouse Power supply	Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black 180 watts, autosensing, 92% PSU				
Machine	Model(s) with Frame stand:				
Machine	Business black color				
	• 21.5" W X 3.2" D X 16.3" H				
	• 545mm W X 81mm D X 414mm H (with feet)				
	• 18.5 lb (8.4 kg) in maximum configuration				
	Handle in rear, removable feet				
	Support VESA mount (100mm)				
		O			
		Security • Security slot (in rear for attachment of			
		optional Kensington® MicroSaver® cable;			
		Kensington lock also locks chassis)			
		Boot sequence control Boot without keyboard and mouse			
		USB port disablement			
Limited Warranty	1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	ENERGY STAR® 5.2-compliant			
Ziiiiloa vvairanty	national holidays. Calls received after 3 pm will require an additional next business day	RoHS-compliant			
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies			

ThinkCentre Edge 92z (3416) - Multi-touch (TopSeller)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ⁸	Camera (mega- pixel)	Disk SATA GB rpm	mSATA SSD	SATA optical	Graphics	PCIe Mini Card WLAN	Media reader	Key- board/ Mouse	Global Preload	Ann date (mm/dd/yy)
3416-F1G	i3-2130	4GBx1	2.0M	250G 7200	None	DVD±RW	HD 7650A	Intel 105	None	USB	None DOS-Lic	. 10/22/13

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- •3-year limited warranty

Positioning	Stylish All-In-One PC for small/medium businesses	Preloaded operating system
Processor	Intel® Core™ i3-2130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache),	DOS License
	integrated Intel HD 2000 Graphics,	
Implementation	integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)	
Graphics	AMD Radeon™ HD 7650A, 2GB memory, PCI Express® x16, 35 watts, DirectX® 11,	
	external digital monitor support via HDMI, supports dual independent display;	
	Maximum resolution: 1920x1200(HDMI)@60Hz	
Widescreen display	21.5 " (545.2mm) Full HD 1080p (1920x1080) TFT color , infinity display, IPS wide viewing angle, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio;	
шорішу	works as standalone monitor via HDMI-in connector	
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch	
Camera	Camera on top of screen, 2.0-megapixel, Full HD 1080p, fixed focus,	
Cantrola	integrated digital MIC array with stereo, LED indicator	
Controls Disk	Front facing buttons for brightness up, brightness down, power on/off, and Video in SATA 6.0Gb/s, 3.5" Wide, 7200 rpm	
mSATA™ SSD	None	
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable	
Media reader	None	
Chipset	Intel B75 Express Chipset	
Rear ports Side ports	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
PCIe Mini Card	Two PCI Express® Mini Card slots	
PCIe WLAN⁴	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® wireless-N 105, 1x1	
Bluetooth PCIe mSATA	None One Mini PCIe mSATA slot	
Ethernet	One gigabit ethernet port, Intel 82579LM	
Audio support	High Definition (HD) Audio, Realtek® ALC662 / Two internal stereo speakers (3watt x 2),	
	Dolby® Advanced Audio™ v2 certified, Microsoft Lync® certified	
Intel AMT Security chip	None None	
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo	
Mouse	Enhanced Optical USB Mouse, black	
Power supply	180 watts, autosensing, 92% PSU	
Machine	Model(s) with Frame stand:	
	Business black color All FILM X 2.0" D X 16.0" LI	
	 21.5" W X 3.2" D X 16.3" H 545mm W X 81mm D X 414mm H (with feet) 	
	• 18.5 lb (8.4 kg) in maximum configuration	
	Handle in rear, removable feet	
	Support VESA mount (100mm)	
		Security • Security slot (in rear for attachment of
		optional Kensington® MicroSaver® cable;
		Kensington lock also locks chassis) Boot sequence control
		 Boot without keyboard and mouse
Limited Warranty	3-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	USB port disablement
toa vvarianty	national holidays. Calls received after 3 pm will require an additional next business day	RoHS-compliant
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies

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 drive: GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.
- 3 Limited onsite service systems are designed to be repaired during the applicable warranty period primarily with customer-replaceable parts provided by Lenovo. Lenovo will only send a technician onsite to perform a repair if (a) remote telephone diagnosis and/or customer part replacement are unable to resolve the problem, or (b) the part is one of the few designated by Lenovo for onsite replacement. For a list of onsite replaceable parts, contact Lenovo. In the United States call 1-800-426-7378. Support unrelated to a warranty issue may be subject to additional charges. Lenovo onsite repair (LOR), 8 am to 5 pm, Monday through Friday coverage excluding holidays, next business day (NBD) response time.
- 4 CD and DVD list maximum rates; rates are variable and are often less than the maximum.
- Included software may differ from its retail version (if available), and may not include user manuals or all program functionality. License agreements may apply.

- Multi-Burner Plus (part number 73P3305 or 73P3370) is a DVD±RW device that reads and writes to DVD-RAM, DVD-R, DVD-RW, DVD+R, and DVD+RW. It also reads and writes to CD-R and CD-RW media. 73P3370 also writes to DVD+R double layer media.
- ThinkPlus Services: These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part will be express shipped to you for quick replacement. Onsite 24x7x2-hour service is not available in all locations. P&L means parts and labor. P/U means pick-up. See ThinkPlus terms and conditions for complete details and restrictions.
- 8 Memory: For PCs without a separate graphics card, memory supports both system and video. Accessible system memory may be up to 384MB less than the amount stated, depending on video mode.
- ⁹ International Warranty Service is available in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.

- 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.
- 11 For combination drives, maximum speeds only are given in the following order: CD read, CD write, CD re-write, DVD read.
- ¹⁴ Response times may vary. May exclude some holidays. Telephone support may be subject to additional charges.
- 15 Update Connector is available at no charge to registered customers during the limited warranty period. Line charges may apply.
- 16 Embedded Security Subsystem works with optional VPN software.

- ¹⁸ Embedded Security Subsystem may require download of client security software from the Web.
- ¹⁹ Asset ID allows system-specific information to be stored in a chip inside the system; it does not have any radio frequency support.
- Operating System: Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.

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