



Product Specifications Reference Lenovo® ThinkCentre Desktops - withdrawn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This section describes the withdrawn products which are added in this edition and in previous editions.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► Withdrawn product(s)

ThinkCentre Edge 72 is withdrawn and added in the book

ThinkCentre Edge 92z is withdrawn and added in the book

ThinkCentre M72e is withdrawn and added in the book

ThinkCentre M78 (1565 / 2111 / 2114) is withdrawn and added in the book

ThinkCentre M82 is withdrawn and added in the book

ThinkCentre M92/p is withdrawn and added in the book

ThinkCentre M72e Tiny, Small, Tower

ThinkCentre®



Lenovo ThinkCentre M72e Tiny
with Optional Serial Port



Lenovo ThinkCentre M72e Tiny, Small, and Tower
with Lenovo ThinkVision Monitor



Lenovo ThinkCentre M72e Small



Lenovo ThinkCentre M72e Tiny
with Lenovo ThinkVision Monitor



Lenovo ThinkCentre M72e Tower



Lenovo ThinkCentre M72e Tiny
with External Optical Box

ThinkCentre M72e Tiny (4156)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical	Graphics	Display- Port dongle	Optional port	Chassis intr switch	Floor stand	VESA mount	ENERGY STAR 5.2	Global	Win7 preload	Ann date (mm/dd/yy)
4156-A2G	G630T	4GBx1 1600MHz	500G 5400	None	Intel HD	None	None	None	Stand	Mount	ES52	None	Pro 64	06/05/12

● 1-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise		Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● 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)
Processor	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		
Implementation			
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), <i>System automatically clocks down for processors with 1066MHz memory controller</i>		
Graphics	Intel HD Graphics in processor, uses main memory, HDCP, DirectX® 10.1, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution vary by processor (i5 CPU supports max: 2560x2048)</i>		
DP dongle	None		
Disk	SATA 3.0Gb/s, 2.5" Wide, 5400 rpm		
External optical	None		
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset		
Onboard SATA	One SATA cable (1-drop to device), one SATA 3.0Gb/s connector on planar		
eSATA port	None		
Chipset	Intel H61 Express Chipset		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
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)		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	None		
Bluetooth	None		
Audio	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	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	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	<ul style="list-style-type: none">● 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 <ul style="list-style-type: none">● 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			
Limited Warranty	1-year, customer carry-in service / service upgrades available		
Supports ThinkVantage Technologies			

See footnotes for important warranty information
WE model announced June 5, 2012

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ThinkCentre M72e Tiny (3261)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical	Graphics	Display- Port dongle	Optional port	Chassis intr switch	Floor stand	VESA mount	ENERGY STAR 5.2 Global	Win7 preload	Ann date (mm/dd/yy)
3261-C7G	G630T	4GBx1 1600MHz	320G 7200	DVD±RW	Intel HD	None	USB	Switch	None	Mount	ES52	None	Pro 64 07/10/12

● 1-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise										Preloaded operating system		
Processor	Intel® Pentium® G630T Processor (2 cores / 2 threads, 2.3GHz, 3MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller										Genuine Windows® 7 Professional 64		
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), System automatically clocks down for processors with 1066MHz memory controller										<ul style="list-style-type: none">● 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)		
DP dongle	None										<ul style="list-style-type: none">● ThinkVantage® Product Recovery● 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)		
Disk	SATA 3.0Gb/s, 2.5" Wide, 7200 rpm												
External optical	Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in												
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset												
Onboard SATA	One SATA cable (1-drop to device), one SATA 3.0Gb/s connector on planar												
eSATA port	None												
Chipset	Intel H61 Express Chipset												
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)												
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)												
PCIe Mini Card	One PCI Express® Mini Card slot												
PCIe WLAN	None												
Bluetooth	None												
Audio	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	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												
VESA mount	Supports VESA 75mm and 100mm mount standard												
Power supply	65 watts AC/DC adapter, autosensing, 87% PSU												
Machine	<ul style="list-style-type: none">● 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													
<ul style="list-style-type: none">● 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													
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										Supports ThinkVantage Technologies		

See footnotes for important warranty information
WE model announced July 10, 2012
WE models withdrawn effective May 2014

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ThinkCentre M72e Tiny (4004) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical	Graphics	Display- Port dongle	PCle Mini Card WLAN / BT	Optional port	Chassis Intrusion switch	Floor stand	VESA mount	ENERGY STAR 5.2	Global	Win7 preload	Ann date (mm/dd/yy)
4004-C5G	G640T	2GBx1	320G 5400	None	Intel HD	None	Intel 2230 + BT	None	Switch	Stand	Mount	ES52	None	Pro 64	06/19/12
4004-C9G	G640T	4GBx1	320G 7200	None	Intel HD	None	None	USB	Switch	Stand	Mount	ES52	None	Pro 64	06/19/12

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

Positioning Processor	Essential business features, exceptional value Intel® Pentium® G640T Processor (2 cores / 2 threads, 2.4GHz, 3MB cache) , integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller		Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● 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)
Implementation	Processor in LGA1155 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), <i>System automatically clocks down for processors with 1066MHz DDR3 memory controller</i>		
Graphics	Intel HD Graphics in processor, uses main memory, HDCP, DirectX® 10.1, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution vary by processor (i5 CPU supports max: 2560x2048)</i>		
DP dongle	None		
Disk	SATA 3.0Gb/s, 2.5" Wide		
External optical	None		
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset		
Onboard SATA	One SATA cable (1-drop to device), one SATA 3.0Gb/s connector on planar		
eSATA port	None		
Chipset	Intel H61 Express Chipset		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
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)		
PCle Mini Card	One PCI Express® Mini Card slot		
PCle WLAN	<i>Some:</i> 11b/g/n wireless, PCle Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter		
Audio	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	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	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	<ul style="list-style-type: none">● 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)		
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		

Security <ul style="list-style-type: none">● 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
Supports ThinkVantage Technologies

See footnotes for important warranty information
 WE models announced June 19, 2012
 WE models withdrawn effective May 2014

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ThinkCentre M72e Tiny (4004) - TopSeller (Win 8)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical	Display-Port dongle	PCIe Mini Card WLAN / BT	Optional port	Chassis Intrusion switch	Security Cable	Floor stand	VESA mount	ENERGY STAR 5.2 Global	Preload	Ann date (mm/dd/yy)
4004-F7G	G645T	4GBx1	320G 7200	None	None	Intel 2230 + BT	None	Switch	None	None	Mount	ES52	None Win8 Pro64	10/23/12
4004-F8G	G645T	4GBx1	320G 7200	DVD±RW	None	Intel 2230 + BT	None	Switch	None	None	Mount	ES52	None Win8 Pro64	10/23/12
4004-F9G	G645T	4GBx1	320G 7200	DVD±RW	None	Intel 2230 + BT	None	Switch	Cable	None	Mount	ES52	None Win7 Pro64	10/23/12
4004-G1G	G645T	4GBx1	320G 7200	None	None	Intel 2230 + BT	None	Switch	Cable	None	Mount	ES52	None Win7 Pro64	10/23/12
4004-H8G	G645T	4GBx1	320G 7200	None	None	Intel 2230 + BT	None	Switch	Cable	Stand	None	ES52	None Win7 Pro64	12/11/12
4004-H9G	G645T	4GBx1	320G 7200	None	None	Intel 2230 + BT	None	Switch	Cable	Stand	None	ES52	None Win8 Pro64	12/11/12
4004-K5G	G2020T	4GBx1	320G 7200	None	None	Intel 2230 + BT	None	Switch	Cable	None	Mount	ES52	None Win7 Pro64	03/05/13
4004-K6G	G2020T	4GBx1	320G 7200	None	None	Intel 2230 + BT	None	Switch	Cable	Stand	None	ES52	None Win7 Pro64	03/05/13
4004-K7G	G2020T	4GBx1	320G 7200	DVD±RW	None	Intel 2230 + BT	None	Switch	Cable	None	Mount	ES52	None Win7 Pro64	03/05/13
4004-K9G	i3-3220T	4GBx1	500G 7200	None	None	Intel 2230 + BT	None	Switch	Cable	Stand	None	ES52	None Win7 Pro64	03/05/13
4004-L1G	G2020T	4GBx1	500G 7200	None	None	Intel 2230 + BT	None	Switch	Cable	Stand	None	ES52	None Win7 Pro64	03/05/13
4004-L3G	i3-3220T	4GBx1	500G 7200	DVD±RW	None	Intel 2230 + BT	None	Switch	Cable	Stand	Mount	ES52	None Win7 Pro64	03/26/13
4004-LMG	G2030T	4GBx1	320G 7200	DVD±RW	None	Intel 2230 + BT	None	Switch	None	None	Mount	ES52	None Win7 Pro64	06/11/13
4004-LNG	G2030T	4GBx1	320G 7200	None	None	Intel 2230 + BT	None	Switch	None	Stand	None	ES52	None Win7 Pro64	06/11/13
4004-LPG	G2030T	4GBx1	320G 7200	None	None	Intel 2230 + BT	None	Switch	None	None	Mount	ES52	None Win7 Pro64	06/11/13
4004-LQG	G2030T	4GBx1	500G 7200	None	None	Intel 2230 + BT	None	Switch	None	Stand	None	ES52	None Win7 Pro64	06/11/13
4004-LRG	i3-3240T	4GBx1	500G 7200	None	None	Intel 2230 + BT	None	Switch	None	Stand	None	ES52	None Win7 Pro64	06/11/13
4004-LSG	i3-3240T	4GBx1	500G 7200	DVD±RW	None	Intel 2230 + BT	None	Switch	None	None	Mount	ES52	None Win7 Pro64	06/11/13

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

Positioning	<i>Essential business features, exceptional value</i>											Preloaded operating system		
Processor	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 Intel Core™ i3-3240T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache) , integrated Intel HD Graphics 2500, 1600MHz dual-channel DDR3 memory controller											Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Some: Windows 8 Pro 64-bit		
Implementation	Processor in LGA1155 socket											Preloaded applications (only some listed)		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), <i>System automatically clocks down for processors with 1066MHz or 1333MHz DDR3 memory controller</i>											- Windows 7 models		
Graphics	Intel HD Graphics or Intel HD Graphics 2500 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution vary by processor (i5 CPU supports max: 2560x2048)</i>											<ul style="list-style-type: none"> • 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) 		
DP dongle	None											- Windows 8 models		
Disk	SATA 3.0Gb/s, 2.5" Wide											<ul style="list-style-type: none"> • Lenovo Support • Lenovo Companion • Lenovo Cloud Storage • Norton™ Studio • AccuWeather • Evernote® • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) 		
External optical	Some: Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in											- All models		
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset											<ul style="list-style-type: none"> • 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™ 		
Onboard SATA	One SATA cable (1-drop to device), one SATA 3.0Gb/s connector on planar											Security		
eSATA port	None											<ul style="list-style-type: none"> • 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) 		
Chipset	Intel H61 Express Chipset											EPEAT™ Gold rating		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)											ENERGY STAR® 5.2-compliant		
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)											Cisco EnergyWise compatible		
PCIe Mini Card	One PCI Express® Mini Card slot											GREENGUARD® certified		
PCIe WLAN	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											RoHS-compliant		
Bluetooth	High Definition (HD) Audio, Realtek® ALC662 codec											Supports ThinkVantage Technologies		
Audio	Internal speaker for business audio													
Speaker	Gigabit ethernet port, Realtek RTL8111E, Wake on LAN®													
Ethernet	None													
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	Some: System floor stand for vertical orientation													
VESA mount	Some: Supports VESA 75mm and 100mm mount standard													
Power supply	65 watts AC/DC adapter, autosensing, 87% PSU													
Machine	<ul style="list-style-type: none"> • 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) 													
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													

See footnotes for important warranty information

WE models announced Oct 23 or Dec 11, 2012 or Mar 5, Mar 26, or June 11, 2013

WE models withdrawn effective May 2014

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(G-MOSI1-16) May 2014

ThinkCentre M72e Tiny (3264)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical	Graphics	Display- Port dongle	Optional port	Chassis intr switch	Floor stand	VESA mount	ENERGY STAR 5.2	Global	Win7 preload	Ann date (mm/dd/yy)
3264-H5G	G630T	4GBx1 1600MHz	500G 5400	None	Intel HD	None	None	Switch	Stand	Mount	ES52	None	Pro 64	06/05/12
3264-S9G	G645T	4GBx1 1600MHz	320G 7200	None	Intel HD	None	USB	Switch	None	Mount	ES52	None	Pro 64	09/11/12

●3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise		Preloaded operating system
Processor	Intel® Pentium® G630T Processor (2 cores / 2 threads, 2.3GHz, 3MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller		
Implementation	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 Processor in LGA1155 socket		Ready to install applications (only some listed)
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), <i>System automatically clocks down for processors with 1066MHz memory controller</i>		● 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; <i>Maximum resolution vary by processor (i5 CPU supports max: 2560x2048)</i>		Preloaded applications (only some listed)
DP dongle	None		
Disk	SATA 3.0Gb/s, 2.5" Wide		● ThinkVantage® Product Recovery ● 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)
External optical	None		
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset		
Onboard SATA	One SATA cable (1-drop to device), one SATA 3.0Gb/s connector on planar		
eSATA port	None		
Chipset	Intel H61 Express Chipset		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
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)		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	None		
Bluetooth	None		
Audio	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	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	Some: 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)		
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		
			● 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
			Supports ThinkVantage Technologies

See footnotes for important warranty information
WE models announced June 5 or September 11, 2012
WE models withdrawn effective May 2014

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(G-MOSI1-2) May 2014

ThinkCentre M72e Tiny (3264) - II

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ⁸	SATA disk GB rpm	External optical	Graphics	Display- Port dongle	Optional port	Chassis intr switch	Floor stand	VESA mount	ENERGY STAR 5.2 Global	Win7 preload	Ann date (mm/dd/yy)
3264-S8G	i3-3220T	4GBx1	320G 7200	DVD±RW	HD 2500	None	USB	Switch	None	Mount	ES52	None	Pro 64 09/11/12

●3-year limited warranty

Positioning Processor	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			Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● 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)
Implementation	Processor in LGA1155 socket			
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)			
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution vary by processor (i5 CPU supports max: 2560x2048)</i>			
DP dongle	None			
Disk	SATA 3.0Gb/s, 2.5" Wide			
External optical	Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in			
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset			
Onboard SATA	One SATA cable (1-drop to device), one SATA 3.0Gb/s connector on planar			
eSATA port	None			
Chipset	Intel H61 Express Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
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)			
PCIe Mini Card	One PCI Express® Mini Card slot			
PCIe WLAN	None			
Bluetooth	None			
Audio	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	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			
VESA mount	Supports VESA 75mm and 100mm mount standard			
Power supply	65 watts AC/DC adapter, autosensing, 87% PSU			
Machine	<ul style="list-style-type: none">● 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)			
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			Security <ul style="list-style-type: none">● 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 Supports ThinkVantage Technologies

See footnotes for important warranty information
WE model announced September 11, 2012
WE models withdrawn effective May 2014

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(G-MOS11-15) May 2014

ThinkCentre M72e Tiny (3267) - GMP

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical	Graphics	Display- Port dongle	Optional port	Floor stand	VESA mount	ENERGY STAR 5.2	Global (G) GMP (P)	Win7 preload	Ann date (mm/dd/yy)
3267-A1G	i5-3470T	4GBx1 1600MHz	320G 5400	DVD±RW	HD 2500	None	None	None	Mount	ES52	G P	Pro 64	06/05/12

●Part of the Global Models Plus (GMP) program with limited onsite service 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, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket			Preloaded operating system Genuine Windows® 7 Professional 64		
Implementation				Ready to install applications (only some listed)		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)			<ul style="list-style-type: none">● Rescue and Recovery™● Password Manager		
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution vary by processor (i5 CPU supports max: 2560x2048)</i>			Preloaded applications (only some listed)		
DP dongle	None			<ul style="list-style-type: none">● ThinkVantage® Product Recovery● 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)		
Disk	SATA 3.0Gb/s, 2.5" Wide, 5400 rpm					
External optical	Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in					
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset					
Onboard SATA	One SATA cable (1-drop to device), one SATA 3.0Gb/s connector on planar					
eSATA port	None					
Chipset	Intel H61 Express Chipset					
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)					
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)					
PCIe Mini Card	One PCI Express® Mini Card slot					
PCIe WLAN	None					
Bluetooth	None					
Audio	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	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					
VESA mount	Supports VESA 75mm and 100mm mount standard					
Power supply	65 watts AC/DC adapter, autosensing, 87% PSU					
Machine	<ul style="list-style-type: none">● 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)					
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			Security <ul style="list-style-type: none">● 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 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies		

See footnotes for important warranty information
WE model announced June 5, 2012
WE models withdrawn effective May 2014

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(G-MOSI1-3) May 2014

ThinkCentre M72e Tiny (3267) - GMP (Thin Client)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical	Graphics	Display- Port dongle	PCIe Mini Card WLAN / BT	Optional port	Floor stand	VESA mount	ENERGY STAR 5.2	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	G P	Emb 32	07/10/12
3267-A5G	G465	2GBx1	8G SSD	None	Intel HD	None	None	Serial	None	None	ES52	G P	Emb 32	01/08/13
3267-A6G	G465	2GBx1	8G SSD	None	Intel HD	None	Intel 105	Serial	None	None	ES52	G P	Emb 32	03/12/13
3267-A7G	G470	2GBx1	8G SSD	None	Intel HD	None	Intel 105	Serial	None	None	ES52	G P	Emb 32	07/09/13
3267-A8G	G470	2GBx1	8G SSD	None	Intel HD	None	None	Serial	None	None	ES52	G P	Emb 32	07/09/13

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

Positioning	<i>Ultimate security, stability, and manageability for the enterprise</i>										Preloaded operating system			
Processor	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										Genuine Windows® 7 Embedded 32 Preloaded applications (only some listed) <ul style="list-style-type: none"> ● Adobe® Reader® ● Adobe Flash® Player ● Citrix® Receiver ● IIS Web Server ● Microsoft® Management Console ● Microsoft Silverlight ● Remote Desktop Protocol ● ThinPrint .print Client ● TightVNC Viewer ● VMware® View Client ● vWorkspace ● Windows Media Player 			
Implementation														
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), <i>System automatically clocks down for processors with 1066MHz DDR3 memory controller</i>													
Graphics	Intel HD Graphics in processor, uses main memory, HDCP, DirectX® 10.1, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (VGA) @60Hz</i>													
DP dongle	None													
Disk	Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide													
External optical	None													
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset													
Onboard SATA	One SATA cable (1-drop to device), one SATA 3.0Gb/s connector on planar													
eSATA port	None													
Chipset	Intel H61 Express Chipset													
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)													
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)													
PCIe Mini Card	One PCI Express® Mini Card slot													
PCIe WLAN ⁴	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1													
Bluetooth	None													
Audio	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	None													
Security chip	None													
Keyboard	None													
Mouse	None													
Floor Stand	None													
VESA mount	None													
Power supply	65 watts AC/DC adapter, autosensing, 87% PSU													
Machine	<ul style="list-style-type: none"> ● 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 <ul style="list-style-type: none"> ● 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 GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies			

See footnotes for important warranty information

WE models announced July 10, 2012, January 8, 2013, March 12, 2013, or July 9, 2013

WE models withdrawn effective May 2014

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(G-MOS11-12) May 2014

ThinkCentre M72e Tiny (3267) - GMP (Win 8)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical	Graphics	Display- Port dongle	Optional port	Floor stand	VESA mount	ENERGY Global (G) STAR 5.2 GMP (P)	Preload	Ann date (mm/dd/yy)
3267-A3G	i5-3470T	4GBx1 1600MHz	320G 5400	DVD±RW	HD 2500	None	None	None	Mount	ES52 G P	Win8 Pro64	10/23/12
3267-A4G	i5-3470T	4GBx1 1600MHz	320G 5400	DVD±RW	HD 2500	None	None	None	Mount	ES52 G P	Win7 Pro64	10/23/12

•Part of the Global Models Plus (GMP) program with limited onsite service 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, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket		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 <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• Lenovo Support• Lenovo Companion• Lenovo Cloud Storage• Norton™ Studio• AccuWeather• Evernote®• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW) - All models <ul style="list-style-type: none">• 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™
Implementation	Processor in LGA1155 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution vary by processor (i5 CPU supports max: 2560x2048)</i>		
DP dongle	None		
Disk	SATA 3.0Gb/s, 2.5" Wide, 5400 rpm		
External optical	Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in		
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset		
Onboard SATA eSATA port	One SATA cable (1-drop to device), one SATA 3.0Gb/s connector on planar		
Chipset	Intel H61 Express Chipset		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
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)		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	None		
Bluetooth	None		
Audio	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	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		
VESA mount	Supports VESA 75mm and 100mm mount standard		
Power supply	65 watts AC/DC adapter, autosensing, 87% PSU		
Machine	<ul style="list-style-type: none">• 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)		
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		

Security <ul style="list-style-type: none">• 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 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant	
Supports ThinkVantage Technologies	

See footnotes for important warranty information
WE models announced October 23, 2012
WE models withdrawn effective May 2014


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(G-MOS11-17) May 2014

ThinkCentre M72e Small (0900) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	Graphics	Media reader	Chassis intr switch	Floor stand	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 Processor	Essential business features, exceptional value 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		Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● 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)	
Implementation Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets; <i>System automatically clocks down for processors with 1333MHz DDR3 memory controller</i>			
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; <i>Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz</i>			
Disk	SATA 3.0Gb/s 7200 rpm			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset			
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar			
eSATA port	None			
Media reader	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	Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DVI-D			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)			
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB devices)			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
PCIe WLAN ⁴	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	<ul style="list-style-type: none">● 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 Bay 2: 3.5", 1" high, no access, std disk Bay 3: 1.5", .35" high, access, opt reader* *bay only available on models with media reader installed			
Slot	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			
				
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		Security <ul style="list-style-type: none">● One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-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) Cisco EnergyWise compatible RoHS-compliant Supports ThinkVantage Technologies	

See footnotes for important warranty information
 WE models announced July 10, 2012
 WE models withdrawn effective May 2014

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ThinkCentre M72e Small (0900) - TopSeller (Win 8)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	Graphics	Media reader	Chassis intr switch	Floor stand	ENERGY STAR 5.2	Global	Preload	Ann date (mm/dd/yy)
0900-A7G	3x3	G870	4GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	Media	Switch	None	None	None	Win8 Pro64	10/23/12
0900-A8G	3x3	i3-3220	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	Media	Switch	None	None	None	Win8 Pro64	10/23/12
0900-B3G	3x3	G870	4GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	Media	Switch	None	None	None	Win7 Pro64	10/23/12
0900-B4G	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

Positioning	Essential business features, exceptional value		<div>Preloaded operating system</div> <div>Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit</div> <div>Some: Windows 8 Pro 64-bit</div> <div>Preloaded applications (only some listed)</div> <div>- Windows 7 models</div> <div><ul style="list-style-type: none">• 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)</div> <div>- Windows 8 models</div> <div><ul style="list-style-type: none">• Lenovo Support• Lenovo Companion• Lenovo Cloud Storage• Norton™ Studio• AccuWeather• Evernote®• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)</div> <div>- All models</div> <div><ul style="list-style-type: none">• 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™</div>
Processor	Intel® Pentium® G870 Processor (2 cores / 2 threads, 3.1GHz, 3MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology		
Implementation	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		
Memory	Processor in LGA1155 socket		
Graphics	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets; <i>System automatically clocks down for processors with 1333MHz DDR3 memory controller</i>		
Disk	Intel HD Graphics or Intel HD Graphics 2500 in processor, uses main memory, one VGA, one DVI-D, supports dual independent display; <i>Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz</i>		
Optical	SATA 3.0Gb/s 7200 rpm		
SATA controller	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
Onboard SATA	Serial ATA, SATA 3.0Gb/s, integrated in chipset		
eSATA port	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar		
Media reader	None		
Chipset	9-in-1 media reader, internal USB 2.0		
Front ports	Intel H61 Express Chipset		
Rear ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear audio ports	Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DVI-D		
Internal connector	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		
Audio	Two USB 2.0 planar conn (1 used; one open for additional USB devices)		
PCIe WLAN ⁴	High Definition (HD) Audio, Realtek® ALC662 codec		
Bluetooth	None		
Speaker	None		
IEEE 1394	Internal speaker for business audio		
Ethernet	None		
Intel AMT	Gigabit ethernet port, Realtek RTL8111E, Wake on LAN®		
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	<ul style="list-style-type: none">• 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 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, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x1		
Limited Warranty	<div><div>disk</div><div>optical</div><div><div></div><div></div><div></div><div></div></div></div>		
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			

See footnotes for important warranty information
 WE models announced October 23, 2012
 WE models withdrawn effective May 2014

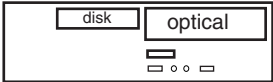
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 (G-MOS11-19) May 2014

ThinkCentre M72e Small (0967) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	Graphics	Media reader	Chassis intr switch	Floor stand	ENERGY STAR 5.2	Global	Win7 preload	Ann date (mm/dd/yy)
0967-A6G	3x3	i3-2120	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2000	Media	Switch	None	None	None	Pro 64	07/10/12
0967-B7G	3x3	i5-3470	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	Media	Switch	None	None	None	Pro 64	10/09/12

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

Positioning Processor	Essential business features, exceptional value 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 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		Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● 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)	
Implementation				
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets; <i>System automatically clocks down for processors with 1333MHz DDR3 memory controller</i>			
Graphics	Intel HD Graphics 2000 or Intel HD Graphics 2500 in processor, uses main memory, one VGA, one DVI-D, supports dual independent display; <i>Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz</i>			
Disk	SATA 3.0Gb/s 7200 rpm			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset			
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar			
eSATA port	None			
Media reader	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	Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DVI-D			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)			
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB devices)			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
PCIe WLAN ⁴	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	<ul style="list-style-type: none">● 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 Bay 2: 3.5", 1" high, no access, std disk Bay 3: 1.5", .35" high, access, opt reader* *bay only available on models with media reader installed			
Slot	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			
				
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 RoHS-compliant Supports ThinkVantage Technologies	

See footnotes for important warranty information
 WE models announced July 10 or October 9, 2012
 WE models withdrawn effective May 2014

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ThinkCentre M72e Small (3660) - ES 5.2

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	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

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 listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager		
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets			Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● 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)		
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DVI-D, supports dual independent display; <i>Maximum resolution: 2560x1600 (VGA) @60Hz; 1920x1200 (DVI-D) @60Hz</i>					
Disk	SATA 3.0Gb/s 7200 rpm					
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive					
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset					
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar					
eSATA port	None					
Media reader	None					
Chipset	Intel H61 Express Chipset					
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)					
Rear ports	Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DVI-D					
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)					
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB devices)					
Audio	High Definition (HD) Audio, Realtek® ALC662 codec					
PCIe WLAN ⁴	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	System floor stand for vertical orientation					
Power supply	240 watts, autosensing, 85% PSU					
Machine	<ul style="list-style-type: none">● 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 Bay 2: 3.5", 1" high, no access, std disk					
Slot	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			Security <ul style="list-style-type: none">● One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-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 GREENGUARD® certified RoHS-compliant		
				Supports ThinkVantage Technologies		
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					

See footnotes for important warranty information
 WE model announced September 11, 2012
 WE models withdrawn effective May 2014

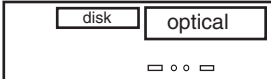
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ThinkCentre M72e Small (3664) - ES 5.2 (GMP)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	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 Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● 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)
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 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 Processor in LGA1155 socket		
Implementation	Processor in LGA1155 socket		
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets		
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		
Disk	SATA 3.0Gb/s 7200 rpm		
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset		
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar		
eSATA port	None		
Media reader	None		
Chipset	Intel H61 Express Chipset		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DVI-D		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB devices)		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		
PCIe WLAN ⁴	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	System floor stand for vertical orientation		
Power supply	240 watts, autosensing, 85% PSU		
Machine	<ul style="list-style-type: none">● 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 Bay 2: 3.5", 1" high, no access, std disk		
Slot	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		
			
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		

Security <ul style="list-style-type: none">● One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-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 GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

See footnotes for important warranty information

WE models announced June 5, 2012, June 19, 2012, August 21, 2012, or May 28, 2013

WE models withdrawn effective May 2014

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ThinkCentre M72e Small (3664) - ES 5.2 (GMP) - Win 8

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	Graphics	Chassis intr switch	Floor stand	ENERGY STAR 5.2	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
3664-A3G	3x2	i5-3470	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	Switch	Stand	ES52	G P	Win8 Pro64	10/23/12
3664-A5G	3x2	i5-3470	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	None	Stand	ES52	G P	Win7 Pro64	10/23/12

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

Positioning Processor	Essential business features, exceptional value 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	
Implementation	Processor in LGA1155 socket	
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets	
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DVI-D, supports dual independent display; <i>Maximum resolution: 2560x1600 (VGA) @60Hz; 1920x1200 (DVI-D) @60Hz</i>	
Disk	SATA 3.0Gb/s 7200 rpm	
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset	
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar	
eSATA port	None	
Media reader	None	
Chipset	Intel H61 Express Chipset	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DVI-D	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB devices)	
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	
PCIe WLAN ⁴	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	System floor stand for vertical orientation	
Power supply	240 watts, autosensing, 85% PSU	
Machine	<ul style="list-style-type: none">● 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 Bay 2: 3.5", 1" high, no access, std disk	
Slot	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	
<div><div>disk</div><div>optical</div><div>□ □ □</div></div>		
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	
Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 8 Pro 64-bit Preloaded applications (only some listed) - Windows 7 models <ul style="list-style-type: none">● 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 <ul style="list-style-type: none">● Lenovo Support● Lenovo Companion● Lenovo Cloud Storage● Norton™ Studio● AccuWeather● Evernote®● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW) - All models <ul style="list-style-type: none">● 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 <ul style="list-style-type: none">● One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-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 GREENGUARD® certified RoHS-compliant		
Supports ThinkVantage Technologies		

See footnotes for important warranty information
 WE models announced October 23, 2012
 WE models withdrawn effective May 2014

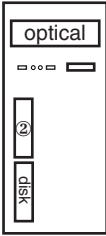
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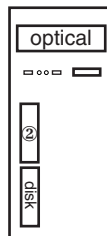
ThinkCentre M72e Tower (0896) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk 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

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, 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		Preloaded operating system <i>Some:</i> No operating system <i>Some:</i> Genuine Windows 7 Professional 64 Ready to install applications (Windows 7 models; only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (Windows 7 models; only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● 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)	
Implementation				
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets; <i>System automatically clocks down for processors with 1066 or 1333MHz DDR3 memory controller</i>			
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; <i>Maximum resolution: 2560x1600 (VGA) @60Hz; 1920x1200 (DVI-D) @60Hz</i>			
Disk	SATA 3.0Gb/s 7200 rpm			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset			
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar			
eSATA port	None			
Media reader	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	Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DVI-D			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)			
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB devices)			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
PCIe WLAN ⁴	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			
Power supply	280 watts with variable speed fan, manual switch			
Machine	<ul style="list-style-type: none">● 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			
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	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		Security <ul style="list-style-type: none">● One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-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) Cisco EnergyWise compatible RoHS-compliant Supports ThinkVantage Technologies	



See footnotes for important warranty information
 WE models announced July 10 or September 4, 2012
 WE models withdrawn effective May 2014

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ThinkCentre M72e Tower (0896) - TopSeller - II

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk 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-A7G	3x4	i5-3470	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	Media	Switch	None	None	Pro 64	07/10/12
0896-A8G	3x4	i5-3470	4GBx1 1600MHz	1TB 7200	Bay	DVD±RW	HD 7350	Media	Switch	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 Processor	Essential business features, exceptional value 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		Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● 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)
Implementation			
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets		
Graphics	<i>Some:</i> Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DVI-D, supports dual independent display; <i>Maximum resolution:</i> 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz <i>Some:</i> 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; <i>Maximum resolution:</i> 2560x1600 (DisplayPort, DVI-I)@60Hz; works along with Intel HD Graphics to support up to four independent monitors		
Disk	SATA 3.0Gb/s 7200 rpm		
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset		
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar		
eSATA port	None		
Media reader	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	Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DVI-D		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB devices)		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		
PCIe WLAN ⁴	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		
Power supply	280 watts with variable speed fan, manual switch		
Machine	<ul style="list-style-type: none">● 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		
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	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		

optical

CD

disk

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)

Cisco EnergyWise compatible
RoHS-compliant

Supports ThinkVantage Technologies

See footnotes for important warranty information

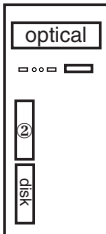
WE models announced July 10, 2012

WE models withdrawn effective May 2014

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(G-MOSI1-9) May 2014

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

Product Specifications Reference (PSREF)

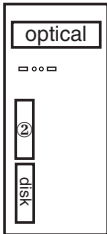
Type-model	Slot x bay	Processor	Memory ^a	SATA disk	2nd Disk GB rpm	Bay	SATA optical	Graphics	Media reader	Chassis intr switch	ENERGY STAR 5.2	Global	Preload	Ann date (mm/dd/yy)
0896-A9G	3x4	G645	4GBx1 1600MHz	500G 7200		Bay	DVD±RW	Intel HD	Media	Switch	None	None	Win8 Pro64	10/23/12
0896-B1G	3x4	G870	4GBx1 1600MHz	500G 7200		Bay	DVD±RW	Intel HD	Media	Switch	None	None	Win8 Pro64	10/23/12
0896-B2G	3x4	i3-3220	4GBx1 1600MHz	500G 7200		Bay	DVD±RW	HD 2500	Media	Switch	None	None	Win8 Pro64	10/23/12
0896-B3G	3x4	i3-3220	4GBx1 1600MHz	1TB 7200		Bay	DVD±RW	HD 2500	Media	Switch	None	None	Win8 Pro64	10/23/12
0896-B4G	3x4	i5-3470	4GBx1 1600MHz	500G 7200		Bay	DVD±RW	HD 2500	Media	Switch	None	None	Win8 Pro64	10/23/12
0896-B5G	3x4	i5-3470	4GBx1 1600MHz	1TB 7200		Bay	DVD±RW	HD 7350	Media	Switch	None	None	Win8 Pro64	10/23/12
0896-C1G	3x4	G645	4GBx1 1600MHz	500G 7200		Bay	DVD±RW	Intel HD	Media	Switch	None	None	Win7 Pro64	10/23/12
0896-C2G	3x4	G870	4GBx1 1600MHz	500G 7200		Bay	DVD±RW	Intel HD	Media	Switch	None	None	Win7 Pro64	10/23/12
0896-C3G	3x4	i3-3220	4GBx1 1600MHz	500G 7200		Bay	DVD±RW	HD 2500	Media	Switch	None	None	Win7 Pro64	10/23/12
0896-C4G	3x4	i3-3220	4GBx1 1600MHz	1TB 7200		Bay	DVD±RW	HD 2500	Media	Switch	None	None	Win7 Pro64	10/23/12
0896-C5G	3x4	i5-3470	4GBx1 1600MHz	500G 7200		Bay	DVD±RW	HD 2500	Media	Switch	None	None	Win7 Pro64	10/23/12
0896-C6G	3x4	i5-3470	4GBx1 1600MHz	1TB 7200		Bay	DVD±RW	HD 7350	Media	Switch	None	None	Win7 Pro64	10/23/12
Positioning Processor	<i>Essential business features, exceptional value</i> Intel® Pentium® G645 Processor (2 cores / 2 threads , 2.9GHz, 3MB cache), integrated Intel HD Graphics, integrated DDR3 memory controller (up to 1066MHz) Intel Pentium G870 Processor (2 cores / 2 threads , 3.1GHz, 3MB cache), integrated Intel HD Graphics, integrated DDR3 memory controller (up to 1333MHz) 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 i5-3470 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										Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 8 Pro 64-bit Preloaded applications (only some listed) - Windows 7 models <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• Lenovo Support• Lenovo Companion• Lenovo Cloud Storage• Norton™ Studio• AccuWeather• Evernote®• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW) - All models <ul style="list-style-type: none">• 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™			
Implementation	Processor in LGA1155 socket													
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets													
Graphics	<i>Some:</i> Intel HD Graphics or Intel HD Graphics 2500 in processor, uses main memory, one VGA, one DVI-D, supports dual independent display; <i>Maximum resolution:</i> 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz <i>Some:</i> 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; <i>Maximum resolution:</i> 2560x1600 (DisplayPort, DVI-I)@60Hz; works along with Intel HD Graphics to support up to four independent monitors													
Disk	SATA 3.0Gb/s 7200 rpm													
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive													
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset													
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar													
eSATA port	None													
Media reader	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	Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DVI-D													
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)													
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB devices)													
Audio	High Definition (HD) Audio, Realtek® ALC662 codec													
PCIe WLAN ⁴	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													
Power supply	280 watts with variable speed fan, manual switch													
Machine	<ul style="list-style-type: none">• 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													
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	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										Cisco EnergyWise compatible RoHS-compliant Supports ThinkVantage Technologies			

ThinkCentre M72e Tower (3655) - ES 5.2

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	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

Positioning Processor	<i>Essential business features, exceptional value</i> 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 Processor in LGA1155 socket		Preloaded operating system Genuine Windows® 7 Professional 64	
Implementation	Processor in LGA1155 socket		Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager	
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets		Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● 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)	
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DVI-D, supports dual independent display; <i>Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz</i>			
Disk	SATA 3.0Gb/s 7200 rpm			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset			
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar			
eSATA port	None			
Media reader	None			
Chipset	Intel H61 Express Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DVI-D			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)			
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB devices)			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
PCIe WLAN ⁴	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			
Power supply	280 watts with variable speed fan, autosensing, 85% PSU			
Machine	<ul style="list-style-type: none">● 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			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, opt disk Bay 3: 3.5", 1" high, no access, std 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, PCIe 2.0 x1			
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		Security <ul style="list-style-type: none">● One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-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 GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies	

See footnotes for important warranty information

WE model announced September 11, 2012

WE models withdrawn effective May 2014

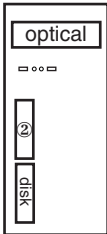
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ThinkCentre M72e Tower (3662) - ES 5.2 (GMP)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	2nd Disk Bay	SATA optical	Graphics	Chassis intr switch	ENERGY STAR 5.2	Global (G) GMP (P)	Win7 preload	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

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) , 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 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 Processor in LGA1155 socket		Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● 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)		
Implementation					
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets				
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DVI-D, supports dual independent display; <i>Maximum resolution: 2560x1600 (VGA) @60Hz; 1920x1200 (DVI-D) @60Hz</i>				
Disk	SATA 3.0Gb/s 7200 rpm				
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive				
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset				
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar				
eSATA port	None				
Media reader	None				
Chipset	Intel H61 Express Chipset				
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)				
Rear ports	Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DVI-D				
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)				
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB devices)				
Audio	High Definition (HD) Audio, Realtek® ALC662 codec				
PCIe WLAN ⁴	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				
Power supply	280 watts with variable speed fan, autosensing, 85% PSU				
Machine	<ul style="list-style-type: none">● 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				
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, opt disk Bay 3: 3.5", 1" high, no access, std 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, PCIe 2.0 x1				
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				
			Security <ul style="list-style-type: none">● One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-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 GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies		

See footnotes for important warranty information

WE models announced June 5, 2012, June 19, 2012, August 21, 2012, or May 28, 2013

WE models withdrawn effective May 2014

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(G-MOSI1-5) May 2014

ThinkCentre M72e Tower (3662) - ES 5.2 (GMP) - Win 8

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	2nd Disk Bay	SATA optical	Graphics	Chassis intr switch	ENERGY STAR 5.2	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
3662-A3G	3x3	i5-3470	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	Switch	ES52	G P	Win8 Pro64	10/23/12
3662-A5G	3x3	i5-3470	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	None	ES52	G P	Win7 Pro64	10/23/12

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

Positioning Processor	Essential business features, exceptional value 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		<div>Preloaded operating system</div> <div>Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit</div> <div>Some: Windows 8 Pro 64-bit</div> <div>Preloaded applications (only some listed)</div> <div>- Windows 7 models</div> <div><ul style="list-style-type: none">● 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)</div> <div>- Windows 8 models</div> <div><ul style="list-style-type: none">● Lenovo Support● Lenovo Companion● Lenovo Cloud Storage● Norton™ Studio● AccuWeather● Evernote®● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)</div> <div>- All models</div> <div><ul style="list-style-type: none">● 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™</div> <div>Security</div> <div><ul style="list-style-type: none">● One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-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)</div> <div>EPEAT™ Gold rating</div> <div>ENERGY STAR® 5.2-compliant</div> <div>Cisco EnergyWise compatible</div> <div>GREENGUARD® certified</div> <div>RoHS-compliant</div> <div>Supports ThinkVantage Technologies</div>
Implementation	Processor in LGA1155 socket		
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets		
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DVI-D, supports dual independent display; <i>Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz</i>		
Disk	SATA 3.0Gb/s 7200 rpm		
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset		
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar		
eSATA port	None		
Media reader	None		
Chipset	Intel H61 Express Chipset		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DVI-D		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB devices)		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		
PCIe WLAN ⁴	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		
Power supply	280 watts with variable speed fan, autosensing, 85% PSU		
Machine	<ul style="list-style-type: none">● 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		
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, opt disk Bay 3: 3.5", 1" high, no access, std 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, PCIe 2.0 x1		
<div><div>optical</div><div>□ ○ ○ □</div><div>lock</div><div>disk</div></div>			
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		

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

ThinkCentre M78 Small (2114) - ES 5.2 (GMP)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	Media reader	Graphics	Chassis intrusion switch	PS/2 port	Floor stand	ENERGY STAR 5.2	Global (G) GMP (P)	Win7 preload	Ann date (mm/dd/yy)
2114-A1G	4x3	A6-5400B	4GBx1	500G 7200	DVD±RW	None	Radeon HD 7540D	None	None	Stand	ES52	G P	Pro 64	08/28/12

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

Positioning	Mainstream enterprise stability and manageability	
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)	
Implementation	Processor in Socket FM2	
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	
DP dongle	None	
Disk	SATA 6.0Gb/s 7200 rpm	
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1	
Onboard SATA	Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar	
eSATA port	None	
Media reader	None	
Chipset	AMD A75 Chipset	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
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)	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)	
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB device)	
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	
Speaker	Internal speaker for business audio	
IEEE 1394	None	
Ethernet	One gigabit ethernet port, Realtek RTL8111E, Wake on LAN®	
Modem	None	
Security chip	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	System floor stand for vertical orientation	
Power supply	240 watts, autosensing, 85% PSU	
Machine	<ul style="list-style-type: none">● 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	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	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	
<div><div>disk</div><div>optical</div><div><div></div><div></div><div></div></div></div>		
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	

Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager● Business-in-a-Box Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Power Manager● View Management Utility● Lenovo Solution Center● Lenovo Message Center Plus● Lenovo SimpleTap● Norton™ Internet Security (30 days of virus definitions)● 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)
Security <ul style="list-style-type: none">● 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 ULE Gold RoHS-compliant
Supports ThinkVantage Technologies

See footnotes for important warranty information
 WE model(s) announced August 28, 2012
 WE models withdrawn effective May 2014

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 (G-ANDE1-1) May 2014

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	SATA optical	Media reader	Graphics	Chassis Intrusion switch	PS/2 port	Floor stand	ENERGY STAR 5.2	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
2114-B1G	4x3	A6-5400B	4GBx1	500G 7200	DVD±RW	None	Radeon HD 7540D	None	None	Stand	ES52	G P	Win8 Pro64	10/23/12
2114-C1G	4x3	A6-5400B	4GBx1	500G 7200	DVD±RW	None	Radeon HD 7540D	None	None	Stand	ES52	G P	Win7 Pro64	10/30/12

•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	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)										Some: Windows® 7 Professional 64 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; Maximum resolution: 1920x1200 (VGA) @60Hz; 2560x2048 (DisplayPort) @60Hz										- Windows 7 models			
DP dongle	None										<ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage Communication Utility• ThinkVantage Power Manager• Lenovo® Message Center Plus• Lenovo SimpleTap• Adobe® Reader®• Google Chrome• Google Toolbar• RapidBoot HDD Accelerator• Symantec™ VIP• Windows Live™ Essentials• Corel® Burn.Now™ (DVD±RW)• Corel DVD MovieFactory® (DVD±RW)			
Disk	SATA 6.0Gb/s 7200 rpm										- Windows 8 models			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive										<ul style="list-style-type: none">• 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)			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1										- All models			
Onboard SATA	Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar										<ul style="list-style-type: none">• ThinkVantage® System Update• View Management Utility• Lenovo Solution Center• Norton Internet Security (30 days of virus definitions)• Evernote®• Microsoft® Office preloaded; purchase a product key to activate• Skype™			
eSATA port	None										Security			
Media reader	None										<ul style="list-style-type: none">• 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)			
Chipset	AMD A75 Chipset										EPEAT™ Gold rating			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)										ENERGY STAR® 5.2-compliant			
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)										ULE Gold			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)										RoHS-compliant			
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB device)										Supports ThinkVantage Technologies			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec													
Speaker	Internal speaker for business audio													
IEEE 1394	None													
Ethernet	One gigabit ethernet port, Realtek RTL8111E, Wake on LAN®													
Modem	None													
Security chip	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	System floor stand for vertical orientation													
Power supply	240 watts, autosensing, 85% PSU													
Machine	<ul style="list-style-type: none">• 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	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	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													
<div><div>disk</div><div>optical</div><div></div></div>														
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													

ThinkCentre M78 Tower (2111) - TopSeller (Win 8)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	2nd Disk Bay	SATA optical	Media reader	Graphics	Chassis intr switch	PS/2 port	ENERGY STAR 5.2	Global	Preload	Ann date (mm/dd/yy)
2111-B1G	4x5	A4-5300	2GBx1	500G 7200	Bay	DVD±RW	None	Radeon HD 7480D	Switch	None	None	None	Win8 Pro64	10/23/12
2111-C1G	4x5	A4-5300	4GBx1	500G 7200	Bay	DVD±RW	None	Radeon HD 7480D	Switch	None	None	None	Win7 Pro64	10/30/12

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

Positioning	Mainstream enterprise stability and manageability		<div>Preloaded operating system</div> <div>Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit</div> <div>Some: Windows 8 Pro 64-bit</div> <div>Preloaded applications (only some listed)</div> <div>- Windows 7 models</div> <div><ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage Communication Utility• ThinkVantage Power Manager• Lenovo® Message Center Plus• Lenovo SimpleTap• Adobe® Reader®• Google Chrome• Google Toolbar• RapidBoot HDD Accelerator• Symantec™ VIP• Windows Live™ Essentials• Corel® Burn.Now™ (DVD±RW)• Corel DVD MovieFactory® (DVD±RW)</div> <div>- Windows 8 models</div> <div><ul style="list-style-type: none">• 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)</div> <div>- All models</div> <div><ul style="list-style-type: none">• ThinkVantage® System Update• View Management Utility• Lenovo Solution Center• Norton Internet Security (30 days of virus definitions)• Evernote®• Microsoft® Office preloaded; purchase a product key to activate• Skype™</div> <div>Security</div> <div><ul style="list-style-type: none">• Security chip (see information on left)• One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">- 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)</div> <div>RoHS-compliant</div> <div>Supports ThinkVantage Technologies</div>
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, integrated DDR3 memory controller (up to 1600MHz)		
Implementation	Processor in Socket FM2		
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		
DP dongle	None		
Disk	SATA 6.0Gb/s 7200 rpm		
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1		
Onboard SATA	Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar		
eSATA port	None		
Media reader	None		
Chipset	AMD A75 Chipset		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
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)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)		
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB device)		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		
Speaker	Internal speaker for business audio		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Realtek RTL8111E, Wake on LAN®		
Modem	None		
Security chip	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		
Power supply	280 watts with variable speed fan, manual switch		
Machine	<ul style="list-style-type: none">• 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	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		
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		
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		

See footnotes for important warranty information
 WE model(s) announced October 23 or 30, 2012
 WE models withdrawn effective May 2014

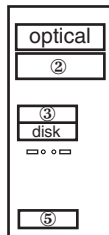
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 (G-ANDE1-3) May 2014

ThinkCentre M78 Tower (1565) - ES 5.2 (GMP)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	2nd Disk Bay	SATA optical	Media reader	Graphics	Chassis intr switch	PS/2 port	ENERGY STAR 5.2	Global (G) GMP (P)	Win7 preload	Ann date (mm/dd/yy)
1565-A1G	4x5	A6-5400B	4GBx1	500G 7200	Bay	DVD±RW	None	Radeon HD 7540D	None	None	ES52	G P	Pro 64	08/28/12

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

Positioning Processor	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)		Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager● Business-in-a-Box Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Power Manager● View Management Utility● Lenovo Solution Center● Lenovo Message Center Plus● Lenovo SimpleTap● Norton™ Internet Security (30 days of virus definitions)● 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)
Implementation	Processor in Socket FM2		
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		
DP dongle	None		
Disk	SATA 6.0Gb/s 7200 rpm		
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1		
Onboard SATA	Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar		
eSATA port	None		
Media reader	None		
Chipset	AMD A75 Chipset		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
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)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)		
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB device)		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		
Speaker	Internal speaker for business audio		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Realtek RTL8111E, Wake on LAN®		
Modem	None		
Security chip	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		
Power supply	280 watts, autosensing, 85% PSU		
Machine	<ul style="list-style-type: none">● 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	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		
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		
			
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		

See footnotes for important warranty information

WE model(s) announced August 28, 2012

WE models withdrawn effective May 2014

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(G-ANDE1-2) May 2014

ThinkCentre M78 Tower (1565) - ES 5.2 (GMP) - Win 8

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	2nd Disk Bay	SATA optical	Media reader	Graphics	Chassis intr switch	PS/2 port	ENERGY STAR 5.2	Global (G) GMP (P)	Ann date (mm/dd/yy)
1565-B1G	4x5	A6-5400B	4GBx1	500G 7200	Bay	DVD±RW	None	Radeon HD 7540D	None	None	ES52	G P	Win8 Pro64 10/23/12
1565-C1G	4x5	A6-5400B	4GBx1	500G 7200	Bay	DVD±RW	None	Radeon HD 7540D	None	None	ES52	G P	Win7 Pro64 10/30/12

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

Positioning	Mainstream enterprise stability and manageability		<div>Preloaded operating system</div> <div>Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit</div> <div>Some: Windows 8 Pro 64-bit</div> <div>Preloaded applications (only some listed)</div> <div>- Windows 7 models</div> <div><ul style="list-style-type: none">ThinkVantage® Product RecoveryThinkVantage Communication UtilityThinkVantage Power ManagerLenovo® Message Center PlusLenovo SimpleTapAdobe® Reader®Google ChromeGoogle ToolbarRapidBoot HDD AcceleratorSymantec™ VIPWindows Live™ EssentialsCorel® Burn.Now™ (DVD±RW)Corel DVD MovieFactory® (DVD±RW)</div> <div>- Windows 8 models</div> <div><ul style="list-style-type: none">Lenovo SupportLenovo CompanionLenovo Cloud StorageLenovo QuickLaunchNorton™ StudioIntel AppUp®AccuWeatherPC Device StageCyberlink Power2Go (DVD±RW)Cyberlink PowerProducer (DVD±RW)</div> <div>- All models</div> <div><ul style="list-style-type: none">ThinkVantage® System UpdateView Management UtilityLenovo Solution CenterNorton Internet Security (30 days of virus definitions)Evernote®Microsoft® Office preloaded; purchase a product key to activateSkype™</div> <div>Security</div> <div><ul style="list-style-type: none">Security chip (see information on left)One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)Cable lockPower-on passwordAdministrator passwordHard disk passwordBoot sequence controlBoot without keyboard and mouseIndividual USB port disablementChassis intrusion switch on selected model(s)</div> <div>EPEAT™ Gold rating</div> <div>ENERGY STAR 5.2-compliant</div> <div>ULE Gold</div> <div>RoHS-compliant</div> <div>Supports ThinkVantage Technologies</div>
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)		
Implementation	Processor in Socket FM2		
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		
DP dongle	None		
Disk	SATA 6.0Gb/s 7200 rpm		
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1		
Onboard SATA	Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar		
eSATA port	None		
Media reader	None		
Chipset	AMD A75 Chipset		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
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)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)		
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB device)		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		
Speaker	Internal speaker for business audio		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Realtek RTL8111E, Wake on LAN®		
Modem	None		
Security chip	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		
Power supply	280 watts, autosensing, 85% PSU		
Machine	<ul style="list-style-type: none">Business black color; metal case6.9" W X 17.4" D X 16.3" H175mm W X 442mm D X 414mm H27.5 lb (12.5 kg) in maximum configurationToolless cover removal, toolless adapter retentionToolless 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		
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		
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		

See footnotes for important warranty information
 WE model(s) announced October 23 or 30, 2012
 WE models withdrawn effective May 2014

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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

ThinkCentre M82 Small (2932) - ENERGY STAR 5.2

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	Media reader	Graphics	Display-Port dongle	Chassis intr switch	Floor stand	ENERGY STAR 5.2 Global	Win7 preload	Ann date (mm/dd/yy)
2932-A2G	4x3	G850	2GBx1 1600MHz	500G 7200	DVD±RW	None	Intel HD	None	Switch	Stand	ES52	None	Pro 64 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) , integrated Intel HD Graphics, 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 listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Power Manager• View Management Utility• Lenovo AppShop• 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)		
Implementation						
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets					
Graphics	Intel HD Graphics in processor, uses main memory, HDCP, DirectX® 10.1, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz</i>					
DP dongle	None					
Disk	SATA 6.0Gb/s 7200 rpm					
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive					
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset					
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					
eSATA port	None					
Media reader	None					
Chipset	Intel Q75 Express Chipset					
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)					
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)					
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector					
Audio	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®					
Manageability	Intel Standard Manageability					
Modem	None					
Security chip	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	System floor stand for vertical orientation					
Power supply	240 watts, autosensing, 85% PSU					
Machine	<ul style="list-style-type: none">• 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	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					
<div><div>disk</div><div>optical</div><div></div><div></div><div></div></div>						
Security <ul style="list-style-type: none">• 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 ULE Gold GREENGUARD® certified RoHS-compliant						
Limited Warranty	1-year, customer carry-in service / service upgrades available					
Supports ThinkVantage Technologies						

See footnotes for important warranty information
 WE model announced June 5, 2012
 WE models withdrawn effective May 2014

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ThinkCentre M82 Small (2756) - ENERGY STAR 5.2

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a		SATA disk GB rpm		SATA optical	Media reader	Graphics	Display-Port dongle	Chassis intr switch	Floor stand	ENERGY STAR 5.2	Global	Win7 preload	Ann date (mm/dd/yy)
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	Mainstream enterprise stability and manageability		Preloaded operating system
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 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 Processor in LGA1155 socket		
Implementation	Processor in LGA1155 socket		Ready to install applications (only some listed)
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		
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		Preloaded applications (only some listed)
DP dongle	None		
Disk	SATA 6.0Gb/s 7200 rpm		<div>● ThinkVantage® Product Recovery</div> <div>● ThinkVantage System Update</div> <div>● ThinkVantage Communication Utility</div> <div>● ThinkVantage Power Manager</div> <div>● View Management Utility</div> <div>● Lenovo AppShop</div> <div>● Lenovo Solution Center</div> <div>● Lenovo Message Center Plus</div> <div>● Lenovo SimpleTap</div> <div>● Norton™ Internet Security (30 days of virus definitions)</div> <div>● Adobe® Reader®</div> <div>● Skype™ for Windows</div> <div>● Windows Live™ Essentials</div> <div>● Microsoft® Office preloaded; purchase a product key to activate</div> <div>● Corel® Burn.Now™ (DVD±RW)</div> <div>● Corel DVD MovieFactory® (DVD±RW)</div>
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset		
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		
eSATA port	None		
Media reader	None		
Chipset	Intel Q75 Express Chipset		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
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)		
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector		
Audio	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®		
Manageability	Intel Standard Manageability		
Modem	None		
Security chip	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	<div>● Business black color; metal case</div> <div>● 13.3" W X 15.2" D X 3.9" H</div> <div>● 338mm W X 385mm D X 100mm H</div> <div>● 16.5 lb (7.5 kg) in maximum configuration</div> <div>● Toolless cover flips up and tilts backward on rear hinges</div> <div>● Toolless disk and optical drive removal</div> <div>● Toolless adapter retention</div>		
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	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		
<div><div>disk</div><div>optical</div></div>			
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		

See footnotes for important warranty information
 WE models announced June 5 or June 26, 2012
 WE models withdrawn effective May 2014

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ThinkCentre M82 Small (2756) - ENERGY STAR 5.2 - II

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	Media reader	Graphics	Display-Port dongle	Chassis intr switch	Floor stand	ENERGY STAR 5.2 Global	Win7 preload	Ann date (mm/dd/yy)
2756-N2G	4x3	i3-3220	4GBx1 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, integrated 1600MHz dual-channel DDR3 memory controller Processor in LGA1155 socket		Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Power Manager● View Management Utility● Lenovo AppShop● 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)
Implementation			
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, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz</i> None		
DP dongle			
Disk	SATA 6.0Gb/s 7200 rpm		
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset		
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		
eSATA port	None		
Media reader	None		
Chipset	Intel Q75 Express Chipset		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
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)		
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector		
Audio	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®		
Manageability	Intel Standard Manageability		
Modem	None		
Security chip	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	System floor stand for vertical orientation		
Power supply	240 watts, autosensing, 85% PSU		
Machine	<ul style="list-style-type: none">● 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	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		
<div><div>disk</div><div>optical</div><div></div></div>			
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		

See footnotes for important warranty information
 WE model announced September 11, 2012
 WE models withdrawn effective May 2014

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 (G-MDTN1-8) May 2014

ThinkCentre M82 Small (2756) - ES 5.2 (Win 8)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	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)
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	Mainstream enterprise stability and manageability		<div>Preloaded operating system</div> <div>Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit</div> <div>Some: Windows 8 Pro 64-bit</div> <div>Preloaded applications (only some listed)</div> <div>- Windows 7 models</div> <div><div>● ThinkVantage® Product Recovery</div><div>● ThinkVantage Communication Utility</div><div>● ThinkVantage Power Manager</div><div>● Lenovo® AppShop</div><div>● Lenovo Message Center Plus</div><div>● Lenovo SimpleTap</div><div>● Adobe® Reader®</div><div>● Windows Live™ Essentials</div><div>● Corel® Burn.Now™ (DVD±RW)</div><div>● Corel DVD MovieFactory® (DVD±RW)</div></div> <div>- Windows 8 models</div> <div><div>● Lenovo Support</div><div>● Lenovo Companion</div><div>● Lenovo Cloud Storage</div><div>● Norton™ Studio</div><div>● AccuWeather</div><div>● Evernote®</div><div>● Cyberlink Power2Go (DVD±RW)</div><div>● Cyberlink PowerProducer (DVD±RW)</div></div> <div>- All models</div> <div><div>● ThinkVantage System Update</div><div>● Lenovo Solution Center</div><div>● View Management Utility</div><div>● Norton Internet Security (30 days of virus definitions)</div><div>● Microsoft® Office preloaded; purchase a product key to activate</div><div>● Skype™</div></div>
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 Processor in LGA1155 socket		
Implementation	Processor in LGA1155 socket		
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, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz		
DP dongle	None		
Disk	SATA 6.0Gb/s 7200 rpm		
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset		
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		
eSATA port	None		
Media reader	Some: 29-in-1 media reader, internal USB 2.0		
Chipset	Intel Q75 Express Chipset		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
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)		
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector		
Audio	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®		
Manageability	Intel Standard Manageability		
Modem	None		
Security chip	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	<div><div>● Business black color; metal case</div><div>● 13.3" W X 15.2" D X 3.9" H</div><div>● 338mm W X 385mm D X 100mm H</div><div>● 16.5 lb (7.5 kg) in maximum configuration</div><div>● Toolless cover flips up and tilts backward on rear hinges</div><div>● Toolless disk and optical drive removal</div><div>● Toolless adapter retention</div></div>		
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	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		
<div><div>disk</div><div>optical</div><div><div></div><div></div><div></div></div></div>			
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	
ULE Gold	
GREENGUARD® certified	
RoHS-compliant	
Supports ThinkVantage Technologies	

See footnotes for important warranty information

WE models announced October 23, 2012, March 5, 2013, or May 28, 2013

WE models withdrawn effective May 2014

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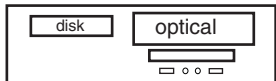
(G-MDTN1-9) May 2014

ThinkCentre M82 Small (2929) - ES 5.2 (GMP)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	Media reader	Graphics	Display-Port dongle	Chassis intr switch	Floor stand	ENERGY STAR 5.2	Global (G) GMP (P)	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	G P	Pro 64	06/05/12
2929-B1G	4x3	i5-3470	4GBx1 1600MHz	500G 7200	DVD±RW	None	HD 2500	None	None	Stand	ES52	G P	Pro 64	06/19/12
2929-D1G	4x3	i5-3570	4GBx1 1600MHz	500G 7200	DVD±RW	None	HD 2500	None	None	Stand	ES52	G P	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	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 Processor in LGA1155 socket										Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Power Manager● View Management Utility● Lenovo AppShop● 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)			
Implementation	Processor in LGA1155 socket													
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, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600</i> (DisplayPort, VGA) @60Hz													
DP dongle	None													
Disk	SATA 6.0Gb/s 7200 rpm													
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive													
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset													
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													
eSATA port	None													
Media reader	None													
Chipset	Intel Q75 Express Chipset													
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)													
Rear ports	Four USB 3.0, two USB2.0, 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)													
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector													
Audio	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®													
Manageability	Intel Standard Manageability													
Modem	None													
Security chip	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	System floor stand for vertical orientation													
Power supply	240 watts, autosensing, 85% PSU													
Machine	<ul style="list-style-type: none">● 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	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													
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 ULE Gold GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies			

See footnotes for important warranty information
 WE models announced June 5, June 19, or August 14, 2012
 WE models withdrawn effective May 2014

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ThinkCentre M82 Small (2929) - ES 5.2 (GMP) - Win 8

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	Media reader	Graphics	Display-Port dongle	Chassis intr switch	Floor stand	ENERGY STAR 5.2	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
2929-C1G	4x3	i5-3470	4GBx1 1600MHz	500G 7200	DVD±RW	None	HD 2500	None	None	Stand	ES52	G P	Win8 Pro64	10/23/12
2929-E1G	4x3	i5-3470	4GBx1 1600MHz	500G 7200	DVD±RW	None	HD 2500	None	None	Stand	ES52	G P	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, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket										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	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz</i>										- Windows 7 models			
DP dongle	None										<ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage Communication Utility● ThinkVantage Power Manager● Lenovo® AppShop● Lenovo Message Center Plus● Lenovo SimpleTap● Adobe® Reader®● Windows Live™ Essentials● Corel® Burn.Now™ (DVD±RW)● Corel DVD MovieFactory® (DVD±RW)			
Disk	SATA 6.0Gb/s 7200 rpm										- Windows 8 models			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive										<ul style="list-style-type: none">● Lenovo Support● Lenovo Companion● Lenovo Cloud Storage● Norton™ Studio● AccuWeather● Evernote®● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)			
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset										- All models			
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										<ul style="list-style-type: none">● 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™			
eSATA port	None										Security <ul style="list-style-type: none">● 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)			
Media reader	None													
Chipset	Intel Q75 Express Chipset													
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)													
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)													
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector													
Audio	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®													
Manageability	Intel Standard Manageability													
Modem	None													
Security chip	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	System floor stand for vertical orientation													
Power supply	240 watts, autosensing, 85% PSU													
Machine	<ul style="list-style-type: none">● 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	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													
<div><div>disk</div><div>optical</div></div>														
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 ULE Gold GREENGUARD® certified RoHS-compliant			
Supports ThinkVantage Technologies														

See footnotes for important warranty information
 WE models announced October 23, 2012
 WE models withdrawn effective May 2014

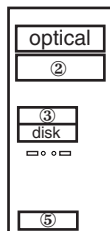
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 (G-MDTN11-11) May 2014

ThinkCentre M82 Tower (2750) - ENERGY STAR 5.2

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	2nd Disk Bay	SATA optical	Media reader	Graphics	Display-Port dongle	Chassis intrusion switch	ENERGY STAR 5.2	Global	Win7 preload	Ann date (mm/dd/yy)
2750-A2G	4x5	G850	2GBx1 1600MHz	500G 7200	Bay	DVD±RW	None	Intel HD	None	Switch	ES52	None	Pro 64	06/05/12
2750-A3G	4x5	i3-2120	2GBx1 1600MHz	500G 7200	Bay	DVD±RW	None	HD 2000	None	Switch	ES52	None	Pro 64	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), 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		Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Power Manager● View Management Utility● Lenovo AppShop● 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)	
Implementation	Processor in LGA1155 socket			
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets			
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; <i>Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz</i>			
DP dongle	None			
Disk	SATA 6.0Gb/s 7200 rpm			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset			
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			
eSATA port	None			
Media reader	None			
Chipset	Intel Q75 Express Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
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)			
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector			
Audio	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®			
Manageability	Intel Standard Manageability			
Modem	None			
Security chip	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			
Power supply	280 watts, autosensing, 85% PSU			
Machine	<ul style="list-style-type: none">● 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			
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			
			Security <ul style="list-style-type: none">● Security chip (see information on left)● One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)● 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)	
			EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold GREENGUARD® certified RoHS-compliant	
Limited Warranty	1-year, customer carry-in service / service upgrades available		Supports ThinkVantage Technologies	

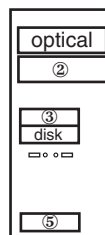
ThinkCentre M82 Tower (2697) - ENERGY STAR 5.2

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	2nd Disk Bay	SATA optical	Media reader	Graphics	Display-Port dongle	Chassis intrusion switch	ENERGY STAR 5.2	Global	Win7 preload	Ann date (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	Mainstream enterprise stability and manageability		<div>Preloaded operating system</div> <div>Genuine Windows® 7 Professional 64</div> <div>Ready to install applications (only some listed)</div> <div><ul style="list-style-type: none">Rescue and Recovery™Password Manager</div> <div>Preloaded applications (only some listed)</div> <div><ul style="list-style-type: none">ThinkVantage® Product RecoveryThinkVantage System UpdateThinkVantage Communication UtilityThinkVantage Power ManagerView Management UtilityLenovo AppShopLenovo Solution CenterLenovo Message Center PlusLenovo SimpleTapNorton™ Internet Security (30 days of virus definitions)Adobe® Reader®Skype™ for WindowsWindows Live™ EssentialsMicrosoft® Office preloaded; purchase a product key to activateCorel® Burn.Now™ (DVD±RW)Corel DVD MovieFactory® (DVD±RW)</div> <div>Security</div> <div><ul style="list-style-type: none">Security chip (see information on left)One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)Cable lockPower-on passwordHard disk passwordBoot sequence controlBoot without keyboard and mouseSerial port I/O controlIndividual USB port disablementChassis intrusion switch on selected model(s)</div> <div>EPEAT™ Gold rating</div> <div>ENERGY STAR® 5.2-compliant</div> <div>ULE Gold</div> <div>GREENGUARD® certified</div> <div>RoHS-compliant</div> <div>Supports ThinkVantage Technologies</div>
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		
Implementation	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		
Memory	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		
Graphics	Processor in LGA1155 socket		
DP dongle	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		
Disk	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: 2560x1600 (DisplayPort, VGA)@60Hz</i>		
Optical	None		
SATA controller	SATA 6.0Gb/s 7200 rpm		
Onboard SATA	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
eSATA port	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset		
Media reader	Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector, two SATA 3.0Gb/s connectors, and one eSATA connector		
Chipset	None		
Front ports	None		
Rear ports	Intel Q75 Express Chipset		
Rear audio ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Internal connector	Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort		
Audio	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		
Speaker	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector		
IEEE 1394	High Definition (HD) Audio, Realtek® ALC662 codec		
Ethernet	Internal speaker for business audio		
Manageability	None		
Modem	One gigabit ethernet port, Intel 82579, Wake on LAN®		
Security chip	Intel Standard Manageability		
Keyboard	None		
Mouse	Trusted Platform Module (TPM 1.2-compliant)		
Power supply	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo		
Machine	Enhanced Optical USB Mouse, black, Lenovo logo		
Bay	280 watts, autosensing, 85% PSU		
Slot	<div><ul style="list-style-type: none">Business black color; metal case6.9" W X 17.4" D X 16.3" H175mm W X 442mm D X 414mm H24.2 lb (11.0 kg) in maximum configurationToolless cover removal, toolless adapter retentionToolless disk, optical drive removal</div> <div><div>optical</div><div>②</div><div>③</div><div>disk</div><div>□ □ □ □</div><div>⑤</div></div>		
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		



See footnotes for important warranty information
 WE models announced June 5 or June 26, 2012
 WE models withdrawn effective May 2014

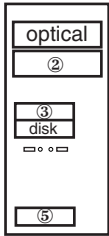
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ThinkCentre M82 Tower (2697) - ENERGY STAR 5.2 - II

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	2nd Disk Bay	SATA optical	Media reader	Graphics	Display-Port dongle	Chassis intrusion switch	ENERGY STAR 5.2	Global	Win7 preload	Ann date (mm/dd/yy)
2697-G2G	4x5	i5-3550	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	None	HD 2500	None	Switch	ES52	None	Pro 64	07/10/12
2697-L5G	4x5	i3-3220	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	None	HD 2500	None	Switch	ES52	None	Pro 64	09/11/12

●3-year limited warranty

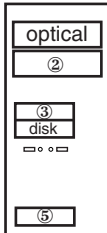
Positioning Processor	Mainstream enterprise stability and manageability Intel® Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Intel Core i5-3550 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket		Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager	
Implementation	Processor in LGA1155 socket		Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Power Manager● View Management Utility● Lenovo AppShop● 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)	
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, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz</i>			
DP dongle	None			
Disk	SATA 6.0Gb/s 7200 rpm			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset			
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			
eSATA port	None			
Media reader	None			
Chipset	Intel Q75 Express Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
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)			
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector			
Audio	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®			
Manageability	Intel Standard Manageability			
Modem	None			
Security chip	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			
Power supply	280 watts, autosensing, 85% PSU			
Machine	<ul style="list-style-type: none">● 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			
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			
			Security <ul style="list-style-type: none">● Security chip (see information on left)● One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)● 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 Warranty			EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies	
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				

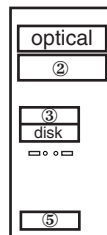
ThinkCentre M82 Tower (2697) - ES 5.2 (Win 8)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	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	Processor		Mainstream enterprise stability and manageability		<div>Preloaded operating system</div> <div>Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit</div> <div>Some: Windows 8 Pro 64-bit</div> <div>Preloaded applications (only some listed)</div> <div>- Windows 7 models</div> <div><ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage Communication Utility● ThinkVantage Power Manager● Lenovo® AppShop● Lenovo Message Center Plus● Lenovo SimpleTap● Adobe® Reader®● Windows Live™ Essentials● Corel® Burn.Now™ (DVD±RW)● Corel DVD MovieFactory® (DVD±RW)</div> <div>- Windows 8 models</div> <div><ul style="list-style-type: none">● Lenovo Support● Lenovo Companion● Lenovo Cloud Storage● Norton™ Studio● AccuWeather● Evernote®● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)</div> <div>- All models</div> <div><ul style="list-style-type: none">● 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™</div> <div>Security</div> <div><ul style="list-style-type: none">● Security chip (see information on left)● One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">- Padlock loop (in rear for opt padlock)- Security slot (in rear for optional Kensington® MicroSaver® cable)● 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)</div> <div>EPEAT™ Gold rating</div> <div>ENERGY STAR® 5.2-compliant</div> <div>ULE Gold</div> <div>GREENGUARD® certified</div> <div>RoHS-compliant</div> <div>Supports ThinkVantage Technologies</div>
Implementation	Memory		32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		
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		
Disk	Optical		SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
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		
eSATA port	Media reader		None Some: 29-in-1 media reader, internal USB 2.0		
Chipset	Front ports		Intel Q75 Express Chipset Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
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)		
Internal connector	Audio		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		Internal speaker for business audio None		
Ethernet	Manageability		One gigabit ethernet port, Intel 82579, Wake on LAN® Intel Standard Manageability		
Modem	Security chip		None 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		
Power supply	Machine		280 watts, autosensing, 85% PSU <ul style="list-style-type: none">● 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	Slot		<div>Bay 1: 5.25", 1.6" high, access, std optical</div> <div>Bay 2: 5.25", 1.6" high, access, open</div> <div>Bay 3: 3.5", 1" high, access, opt reader</div> <div>Bay 4: 3.5", 1" high, no access, std disk</div> <div>Bay 5: 3.5", 1" high, no access, opt disk</div> <div>Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max)</div> <div>Slot 2: half-length, full-height, PCIe 2.0 x1</div> <div>Slot 3: half-length, full-height, 32-bit PCI 2.3</div> <div>Slot 4: half-length, full-height, 32-bit PCI 2.3</div> <div></div>		
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				



See footnotes for important warranty information

WE models announced October 23, 2012, March 5, 2013, or May 28, 2013

WE models withdrawn effective May 2014

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(G-MDTN1-10) May 2014

ThinkCentre M82 Tower (2742) - ES 5.2 (GMP)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	2nd Disk Bay	SATA optical	Media reader	Graphics	Display-Port dongle	Chassis intrusion switch	ENERGY STAR 5.2	Global (G) GMP (P)	Win7 preload	Ann date (mm/dd/yy)
2742-A1G	4x5	i5-3550	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	None	HD 2500	None	None	ES52	G P	Pro 64	06/05/12
2742-B1G	4x5	i5-3470	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	None	HD 2500	None	None	ES52	G P	Pro 64	06/19/12
2742-D1G	4x5	i5-3570	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	None	HD 2500	None	None	ES52	G P	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 Processor in LGA1155 socket										Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Power Manager• View Management Utility• Lenovo AppShop• 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)									
Implementation																				
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, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz</i>																			
DP dongle	None																			
Disk	SATA 6.0Gb/s 7200 rpm																			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive																			
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset																			
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																			
eSATA port	None																			
Media reader	None																			
Chipset	Intel Q75 Express Chipset																			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)																			
Rear ports	Four USB 3.0, two USB2.0, 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)																			
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector																			
Audio	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®																			
Manageability	Intel Standard Manageability																			
Modem	None																			
Security chip	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																			
Power supply	280 watts, autosensing, 85% PSU																			
Machine	<ul style="list-style-type: none">• 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																			
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																			
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										Security <ul style="list-style-type: none">• Security chip (see information on left)• One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)• 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) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies									

See footnotes for important warranty information
 WE models announced June 5, June 19, or August 14, 2012
 WE models withdrawn effective May 2014

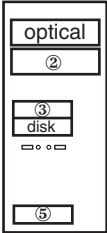
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 (G-MDTN1-2) May 2014

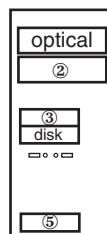
ThinkCentre M82 Tower (2742) - ES 5.2 (GMP) - Win 8

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	2nd Disk Bay	SATA optical	Media reader	Graphics	Display-Port dongle	Chassis intrusion 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	G P	Win8 Pro64	10/23/12
2742-E1G	4x5	i5-3470	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	None	HD 2500	None	None	ES52	G P	Win7 Pro64	10/23/12

●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 Processor in LGA1155 socket			Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 8 Pro 64-bit		
Implementation	Processor in LGA1155 socket			Preloaded applications (only some listed)		
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets			- Windows 7 models		
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz</i>			<ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage Communication Utility● ThinkVantage Power Manager● Lenovo® AppShop● Lenovo Message Center Plus● Lenovo SimpleTap● Adobe® Reader®● Windows Live™ Essentials● Corel® Burn.Now™ (DVD±RW)● Corel DVD MovieFactory® (DVD±RW)		
DP dongle	None			- Windows 8 models		
Disk	SATA 6.0Gb/s 7200 rpm			<ul style="list-style-type: none">● Lenovo Support● Lenovo Companion● Lenovo Cloud Storage● Norton™ Studio● AccuWeather● Evernote®● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)		
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			- All models		
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset			<ul style="list-style-type: none">● ThinkVantage System Update● Lenovo Solution Center● View Management Utility● Norton Internet Security		
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			<ul style="list-style-type: none">● (30 days of virus definitions)● Microsoft® Office preloaded; purchase a product key to activate● Skype™		
eSATA port	None					
Media reader	None					
Chipset	Intel Q75 Express Chipset					
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)					
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)					
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector					
Audio	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®					
Manageability	Intel Standard Manageability					
Modem	None					
Security chip	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					
Power supply	280 watts, autosensing, 85% PSU					
Machine	<ul style="list-style-type: none">● 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					
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					
						
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			Security <ul style="list-style-type: none">● 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)● 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)		
				EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold GREENGUARD® certified RoHS-compliant		
				Supports ThinkVantage Technologies		



See footnotes for important warranty information

WE models announced October 23, 2012

WE models withdrawn effective May 2014

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(G-MDTN1-12) May 2014

ThinkCentre M92/M92p Tiny, Small, Tower

ThinkCentre®



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



Lenovo ThinkCentre M92/M92p Tiny
with Floor Stand



Lenovo ThinkCentre M92/M92p Small



Lenovo ThinkCentre M92/M92p Tiny
with VESA Mount



Lenovo ThinkCentre M92/M92p Tower



Lenovo ThinkCentre M92/M92p Tiny
with External Optical Box

ThinkCentre M92 Tiny (3235) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical	Display- Port Graphics	Optional dongle	Chassis port	Floor intr	Stand	VESA mount	ENERGY STAR 5.2	Intel vPro	Global	Win7 preload(mm/dd/yy)	Ann date
3235-B8G	i3-2120T	4GBx1 1600MHz	500G 7200	None	HD 2000	None	DP	Switch	None	Mount	ES52	None	None	Pro 64	06/19/12
3235-B7G	i3-2120T	4GBx1 1600MHz	320G 5400	DVD±RW	HD 2000	None	DP	Switch	None	Mount	ES52	None	None	Pro 64	07/10/12

- 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 Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Power Manager● View Management Utility● Lenovo AppShop● 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)
Processor	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		
Implementation	Processor in LGA1155 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics 2000 in processor, uses main memory, HDCP, DirectX® 10.1, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz</i>		
DP dongle	None		
Disk	SATA 3.0Gb/s, 2.5" Wide		
External optical	<i>Some:</i> Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in		
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset		
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar		
eSATA port	None		
Chipset	Intel Q77 Express Chipset		
Front ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	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	One PCI Express® Mini Card slot		
PCIe WLAN	None		
Bluetooth	None		
Audio	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	None		
VESA mount	Supports VESA 75mm and 100mm mount standard		
Power supply	65 watts AC/DC adapter, autosensing, 87% PSU		
Machine	<ul style="list-style-type: none">● 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 <ul style="list-style-type: none">● 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
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		Supports ThinkVantage Technologies

See footnotes for important warranty information
WE models announced June 19 or July 10, 2012
WE models withdrawn effective May 2014

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(G-MHTN1-7) May 2014

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

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ⁸	SATA disk GB rpm	External optical	PCIe Mini Card WLAN / BT	Optional port	Chassis intrusion Switch	Security cable	Floor stand	VESA mount	ENERGY STAR 5.2	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
3235-C4G	i3-3220T	4GBx1	500G 7200	DVD±RW	Intel 2230 + BT	None	Switch	Cable	None	Mount	ES52	None	None	Win8 Pro64	10/23/12
3235-C5G	i3-3220T	4GBx1	500G 7200	None	Intel 2230 + BT	None	Switch	Cable	None	Mount	ES52	None	None	Win8 Pro64	10/23/12
3235-D3G	i3-3220T	4GBx1	500G 7200	DVD±RW	Intel 2230 + BT	None	Switch	Cable	None	Mount	ES52	None	None	Win7 Pro64	10/23/12
3235-D4G	i3-3220T	4GBx1	500G 7200	None	Intel 2230 + BT	None	Switch	Cable	None	Mount	ES52	None	None	Win7 Pro64	10/23/12
3235-E9G	i3-3220T	4GBx1	500G 7200	DVD±RW	Intel 2230 + BT	None	Switch	Cable	None	Mount	ES52	None	None	Win8 Pro64	12/04/12
3235-F1G	i3-3220T	4GBx1	500G 7200	None	Intel 2230 + BT	None	Switch	Cable	None	Mount	ES52	None	None	Win8 Pro64	12/04/12
3235-F2G	i3-3220T	4GBx1	500G 7200	DVD±RW	Intel 2230 + BT	None	Switch	Cable	None	Mount	ES52	None	None	Win7 Pro64	12/04/12
3235-F3G	i3-3220T	4GBx1	500G 7200	None	Intel 2230 + BT	None	Switch	Cable	None	Mount	ES52	None	None	Win7 Pro64	12/04/12
3235-H2G	i3-3240T	4GBx1	500G 7200	None	Intel 2230 + BT	None	Switch	None	None	Mount	ES52	None	None	Win7 Pro64	06/11/13
3235-H3G	i3-3240T	4GBx1	500G 7200	DVD±RW	Intel 2230 + BT	None	Switch	None	None	Mount	ES52	None	None	Win7 Pro64	06/11/13

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

Positioning Processor	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 Intel Core i3-3240T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache) , integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Processor in LGA1155 socket		Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 8 Pro 64-bit Preloaded applications (only some listed) - Windows 7 models <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage Communication Utility• ThinkVantage Power Manager• Adobe® Reader®• Corel® Burn.Now™ (DVD±RW)• Corel DVD MovieFactory® (DVD±RW) - Windows 8 models <ul style="list-style-type: none">• Lenovo® Support• Lenovo Companion• Lenovo Cloud Storage• Norton™ Studio• AccuWeather• Evernote®• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW) - All models <ul style="list-style-type: none">• 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™
Implementation Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
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; <i>Maximum resolution:</i> 2560x1600 (DisplayPort, VGA) @60Hz None		
DP dongle	None		
Disk	SATA 3.0Gb/s, 2.5" Wide		
External optical	<i>Some:</i> Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in		
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset		
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar		
eSATA port	None		
Chipset	Intel Q77 Express Chipset		
Front ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	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	One PCI Express® Mini Card slot		
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter		
Audio	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	None		
VESA mount	Supports VESA 75mm and 100mm mount standard		
Power supply	65 watts AC/DC adapter, autosensing, 87% PSU		
Machine	<ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• 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
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		Supports ThinkVantage Technologies

See footnotes for important warranty information

WE models announced October 23 or December 4, 2012 or June 12, 2013

WE models withdrawn effective May 2014

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(G-MHTN1-15) May 2014

ThinkCentre M92 Tiny (3229) - GMP (Thin Client)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB	External optical rpm	Graphics	PCIe Mini Card WLAN / BT	Optional port	Chassis intr switch	Floor stand	VESA mount	ENERGY STAR 5.2	Intel vPro	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	G P	Emb 32	07/10/12
3229-A2G	G465	2GBx1	8G SSD	None	Intel HD	None	Serial	None	None	None	ES52	None	G P	Emb 32	01/08/13
3229-A3G	G470	2GBx1	8G SSD	None	Intel HD	None	Serial	None	None	None	ES52	None	G P	Emb 32	07/09/13

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

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) <ul style="list-style-type: none">● Adobe® Reader®● Adobe Flash® Player● Citrix® Receiver● IIS Web Server● Microsoft® Management Console● Microsoft Silverlight● Remote Desktop Protocol● ThinPrint .print Client● TightVNC Viewer● VMware® View Client● vWorkspace● Windows Media Player	
Implementation				
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), <i>System automatically clocks down for processors with 1066MHz DDR3 memory controller</i>			
Graphics	Intel HD Graphics in processor, uses main memory, HDCP, DirectX® 10.1, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz</i>			
DP dongle	None			
Disk	Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide			
External optical	None			
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset			
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar			
eSATA port	None			
Chipset	Intel Q77 Express Chipset			
Front ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	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	One PCI Express® Mini Card slot			
PCIe WLAN	None			
Bluetooth	None			
Audio	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	None			
Mouse	None			
Floor Stand	None			
VESA mount	None			
Power supply	65 watts AC/DC adapter, autosensing, 87% PSU		Security <ul style="list-style-type: none">● 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)	
Machine	<ul style="list-style-type: none">● 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)			
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 ULE Gold GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies	

See footnotes for important warranty information
 WE models announced July 10, 2012 or January 8 or July 9, 2013
 WE models withdrawn effective May 2014

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 (G-MHTN1-14) May 2014

Product Specifications Reference (PSREF)

- 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

See footnotes for important warranty information
WE models announced October 23, November 20, or December 4, 2012
WE models withdrawn effective May 2014

ThinkCentre M92p Tiny (3243)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical	Graphics	Display- Port dongle	Optional port	Chassis intr	Floor switch	stand	VESA mount	ENERGY STAR	Intel vPro	Win7 Global	Ann date preload(mm/dd/yy)
3243-A6G	i5-3470T	4GBx1 1600MHz	320G 7200	DVD±RW	HD 2500	None	DP	Switch	None	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		Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Power Manager● View Management Utility● Lenovo AppShop● 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)
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 Processor in LGA1155 socket		
Implementation			
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
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; <i>Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz</i> <i>Some: DisplayPort to Single-link DVI-D Cable</i>		
DP dongle			
Disk	SATA 3.0Gb/s, 2.5" Wide, 7200 rpm		
External optical	Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in		
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset		
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar		
eSATA port	None		
Chipset	Intel Q77 Express Chipset		
Front ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	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	One PCI Express® Mini Card slot		
PCIe WLAN	None		
Bluetooth	None		
Audio	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	None		
VESA mount	Supports VESA 75mm and 100mm mount standard		
Power supply	65 watts AC/DC adapter, autosensing, 87% PSU		
Machine	<ul style="list-style-type: none">● 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)		
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		

See footnotes for important warranty information
WE model announced July 10, 2012
WE models withdrawn effective May 2014

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(G-MHTN1-12) May 2014

ThinkCentre M92p Tiny (3238)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical	Graphics	Display- Port dongle	Optional	Chassis intr	Floor switch	stand	VESA mount	ENERGY STAR	Intel vPro	Win7 Global	Ann date preload(mm/dd/yy)
3238-A6G	i5-3470T	4GBx1	1600MHz	750G 5400	DVD±RW	HD 2500	DP-to-DVI-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, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology		Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Power Manager● View Management Utility● Lenovo AppShop● 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)
Implementation	Processor in LGA1155 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
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; <i>Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz</i> <i>Some: DisplayPort to Single-link DVI-D Cable</i>		
DP dongle			
Disk	SATA 3.0Gb/s, 2.5" Wide, 5400 rpm		
External optical	Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in		
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset		
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar		
eSATA port	None		
Chipset	Intel Q77 Express Chipset		
Front ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	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	One PCI Express® Mini Card slot		
PCIe WLAN	None		
Bluetooth	None		
Audio	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	None		
VESA mount	Supports VESA 75mm and 100mm mount standard		
Power supply	65 watts AC/DC adapter, autosensing, 87% PSU		
Machine	<ul style="list-style-type: none">● 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)		
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		

See footnotes for important warranty information
WE models announced June 5, 2012
WE models withdrawn effective May 2014

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ThinkCentre M92p Tiny (3237) - GMP

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical	Display- Port Graphics	Optional dongle	Chassis port intr	switch	Floor stand	VESA mount	ENERGY STAR 5.2	Intel vPro	Global (G) GMP (P)	Win7 preload	Ann date (mm/dd/yy)
3237-A1G	i5-3470T	4GBx1 1600MHz	320G 5400	DVD±RW	HD 2500	None	None	None	None	Mount	ES52	vPro	G P	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	<i>Ultimate security, stability, and manageability for the enterprise</i>										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 Processor in LGA1155 socket																			
Implementation																				
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)																			
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; <i>Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz</i>																			
DP dongle	None																			
Disk	SATA 3.0Gb/s, 2.5" Wide, 5400 rpm																			
External optical	Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in																			
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset																			
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar																			
eSATA port	None																			
Chipset	Intel Q77 Express Chipset																			
Front ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)																			
Rear ports	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	One PCI Express® Mini Card slot																			
PCIe WLAN	None																			
Bluetooth	None																			
Audio	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	None																			
VESA mount	Supports VESA 75mm and 100mm mount standard																			
Power supply	65 watts AC/DC adapter, autosensing, 87% PSU																			
Machine	<ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• 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																				
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																			
Supports ThinkVantage Technologies																				

See footnotes for important warranty information
WE model announced June 5, 2012
WE models withdrawn effective May 2014

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

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical	Graphics	PCIe Mini Card WLAN / BT	Optional port	Chassis intr switch	Floor stand	VESA mount	ENERGY STAR 5.2	Intel vPro	Global (G) GMP (P)	Win7 preload(mm/dd/yy)	Ann date
3237-A3G	i5-3470T	2GBx1	8G SSD	None	HD 2500	None	Serial	None	None	None	ES52	vPro	G P	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

Positioning Processor	<i>Ultimate security, stability, and manageability for the enterprise</i> 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		Preloaded operating system Genuine Windows® 7 Embedded 32 Preloaded applications (only some listed) <ul style="list-style-type: none">● Adobe® Reader®● Adobe Flash® Player● Citrix® Receiver● IIS Web Server● Microsoft® Management Console● Microsoft Silverlight● Remote Desktop Protocol● ThinPrint .print Client● TightVNC Viewer● VMware® View Client● vWorkspace● Windows Media Player
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
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; <i>Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz</i>		
DP dongle	None		
Disk	Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide		
External optical	None		
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset		
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar		
eSATA port	None		
Chipset	Intel Q77 Express Chipset		
Front ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		Security <ul style="list-style-type: none">● 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● <i>Chassis intrusion switch on selected model(s)</i> EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies
Rear ports	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	One PCI Express® Mini Card slot		
PCIe WLAN	None		
Bluetooth	None		
Audio	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	None		
Mouse	None		
Floor Stand	None		
VESA mount	None		
Power supply	65 watts AC/DC adapter, autosensing, 87% PSU		
Machine	<ul style="list-style-type: none">● 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)		
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		

See footnotes for important warranty information
WE model announced July 10, 2012
WE models withdrawn effective May 2014

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ThinkCentre M92p Tiny (3237) - GMP (Win 8)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical	Graphics	PCIe Mini Card WLAN / BT	Optional port	Chassis intr switch	Floor stand	VESA mount	ENERGY STAR 5.2	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
3237-A4G	i5-3470T	4GBx1	320G 5400	DVD±RW	HD 2500	None	None	None	None	Mount	ES52	vPro	G P	Win8 Pro64	10/23/12
3237-A5G	i5-3470T	4GBx1	320G 5400	DVD±RW	HD 2500	None	None	None	None	Mount	ES52	vPro	G P	Win7 Pro64	10/23/12

- 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 Processor	<i>Ultimate security, stability, and manageability for the enterprise</i>		Preloaded operating system	
	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; <i>Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz</i>		- Windows 7 models	
DP dongle	None		<ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage Communication Utility• ThinkVantage Power Manager• Lenovo® AppShop• Lenovo Message Center Plus• Lenovo SimpleTap• Adobe® Reader®• Windows Live™ Essentials• Corel® Burn.Now™ (DVD±RW)• Corel DVD MovieFactory® (DVD±RW)	
Disk	SATA 3.0Gb/s, 2.5" Wide, 5400 rpm		- Windows 8 models	
External optical	Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in		<ul style="list-style-type: none">• Lenovo Support• Lenovo Companion• Lenovo Cloud Storage• Norton™ Studio• AccuWeather• Evernote®• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)	
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset		- All models	
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar		<ul style="list-style-type: none">• 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™	
eSATA port	None			
Chipset	Intel Q77 Express Chipset			
Front ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	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	One PCI Express® Mini Card slot			
PCIe WLAN	None			
Bluetooth	None			
Audio	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	None			
VESA mount	Supports VESA 75mm and 100mm mount standard			
Power supply	65 watts AC/DC adapter, autosensing, 87% PSU			
Machine	<ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• 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	
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		Supports ThinkVantage Technologies	

See footnotes for important warranty information
WE models announced October 23, 2012
WE models withdrawn effective May 2014

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ThinkCentre M92p Small (2988) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	Media reader	Graphics	Display-Port dongle	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, 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 listed)			
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets										<ul style="list-style-type: none">• Rescue and Recovery™• Password Manager			
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										Preloaded applications (only some listed)			
DP dongle	None										<ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Power Manager• View Management Utility• Lenovo AppShop• 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)			
Disk	SATA 6.0Gb/s 7200 rpm										<div>Security<ul style="list-style-type: none">• 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)</div>			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive													
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support													
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													
eSATA port	None													
Media reader	29-in-1 media reader, internal USB 2.0													
Chipset	Intel Q77 Express Chipset													
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)													
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)													
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB devices), one internal DisplayPort connector													
Audio	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	None													
Power supply	240 watts, autosensing, 85% PSU													
Machine	<ul style="list-style-type: none">• 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	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													
<div><div>disk</div><div>optical</div><div><div></div><div></div><div></div></div></div>														
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 ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies			

See footnotes for important warranty information
 WE model announced July 10, 2012
 WE models withdrawn effective May 2014

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ThinkCentre M92p Small (2988) - TopSeller (Win 8)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	Media reader	Graphics	PCIe Mini Card WLAN / BT	Chassis intrusion Switch	Floor stand	ENERGY STAR 5.2	Intel vPro Global	Preload	Ann date (mm/dd/yy)
2988-C5G	4x3	i5-3470	4GBx1	500G 7200	DVD±RW	Media	HD 2500	Intel 6205	Switch	None	ES52	vPro	None	Win8 Pro64 10/23/12
2988-D6G	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	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		- Windows 7 models	
DP dongle	None		<ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage Communication Utility• ThinkVantage Power Manager• Adobe® Reader™• Corel® Burn.Now™ (DVD±RW)• Corel DVD MovieFactory® (DVD±RW)	
Disk	SATA 6.0Gb/s 7200 rpm		- Windows 8 models	
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		<ul style="list-style-type: none">• Lenovo® Support• Lenovo Companion• Lenovo Cloud Storage• Norton™ Studio• AccuWeather• Evernote®• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)	
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support		- All models	
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		<ul style="list-style-type: none">• 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™	
eSATA port	None			
Media reader	29-in-1 media reader, internal USB 2.0			
Chipset	Intel Q77 Express Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
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)			
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB devices), one internal DisplayPort connector			
PCIe WLAN	11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2			
Bluetooth	None			
Audio	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	None			
Power supply	240 watts, autosensing, 85% PSU			
Machine	<ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• 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)	
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	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			
		<div><div>disk</div><div>optical</div></div>		
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 ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant	
		Supports ThinkVantage Technologies		

See footnotes for important warranty information
 WE models announced October 23, 2012
 WE models withdrawn effective May 2014

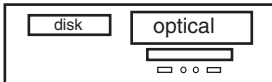
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ThinkCentre M92p Small (2996)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	Media reader	Graphics	Display-Port dongle	Chassis intr switch	Floor stand	ENERGY STAR 5.2	Intel vPro	Global	Win7 preload	Ann date (mm/dd/yy)
2996-A1G	4x3	i5-3550	4GBx1 1600MHz	500G 7200	DVD±RW	None	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
- 1-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), 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		
Implementation	Processor in LGA1155 socket			Ready to install applications (only some listed)		
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets			<ul style="list-style-type: none">● Rescue and Recovery™● Password Manager		
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz</i>			Preloaded applications (only some listed)		
DP dongle	None			<ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Power Manager● View Management Utility● Lenovo AppShop● 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)		
Disk	SATA 6.0Gb/s 7200 rpm					
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive					
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support					
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					
eSATA port	None					
Media reader	None					
Chipset	Intel Q77 Express Chipset					
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)					
Rear ports	Four USB 3.0, two USB2.0, 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)					
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector					
Audio	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	None					
Power supply	240 watts, autosensing, 85% PSU					
Machine	<ul style="list-style-type: none">● 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	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					
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			Security <ul style="list-style-type: none">● 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 ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies		

See footnotes for important warranty information
 WE model announced July 10, 2012
 WE models withdrawn effective May 2014

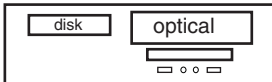
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ThinkCentre M92p Small (3209)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	Media reader	Graphics	Display-Port dongle	Chassis intr switch	Floor stand	ENERGY STAR 5.2	Intel vPro	Global	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 Processor	Ultimate security, stability, and manageability for the enterprise 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		
Implementation	Processor in LGA1155 socket			Ready to install applications (only some listed)		
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets			<ul style="list-style-type: none">• Rescue and Recovery™• Password Manager		
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz</i>			Preloaded applications (only some listed)		
DP dongle	None			<ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Power Manager• View Management Utility• Lenovo AppShop• 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)		
Disk	SATA 6.0Gb/s 7200 rpm					
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive					
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support					
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					
eSATA port	None					
Media reader	None					
Chipset	Intel Q77 Express Chipset					
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)					
Rear ports	Four USB 3.0, two USB2.0, 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)					
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector					
Audio	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	None					
Power supply	240 watts, autosensing, 85% PSU					
Machine	<ul style="list-style-type: none">• 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	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 <ul style="list-style-type: none">• 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 ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-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			Supports ThinkVantage Technologies		

See footnotes for important warranty information
 WE model announced June 5, 2012
 WE models withdrawn effective May 2014

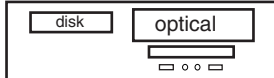
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ThinkCentre M92p Small (3227) - GMP

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	Media reader	Graphics	Display-Port dongle	Chassis intr switch	Floor stand	ENERGY STAR 5.2	Intel vPro	Global (G) GMP (P)	Win7 preload	Ann date (mm/dd/yy)
3227-A1G	4x3	i7-3770	4GBx1 1600MHz	500G 7200	DVD±RW	None	HD 4000	None	None	Stand	ES52	vPro	G P	Pro 64	06/05/12
3227-A2G	4x3	i5-3470	4GBx1 1600MHz	500G 7200	DVD±RW	None	HD 2500	None	None	Stand	ES52	vPro	G P	Pro 64	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

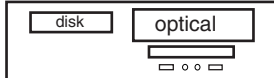
Positioning	Ultimate security, stability, and manageability for the enterprise		Preloaded operating system	
Processor	Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology		Genuine Windows® 7 Professional 64	
Implementation	Intel Core i7-3770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4000, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology		Ready to install applications (only some listed)	
Memory	Processor in LGA1155 socket		● Rescue and Recovery™	
Graphics	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		● Password Manager	
DP dongle	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		Preloaded applications (only some listed)	
Disk	None		● ThinkVantage® Product Recovery	
Optical	SATA 6.0Gb/s 7200 rpm		● ThinkVantage System Update	
SATA controller	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		● ThinkVantage Communication Utility	
Onboard SATA	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support		● ThinkVantage Power Manager	
eSATA port	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	
Media reader	None		● Lenovo AppShop	
Chipset	None		● Lenovo Solution Center	
Front ports	Intel Q77 Express Chipset		● Lenovo Message Center Plus	
Rear ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		● Lenovo SimpleTap	
Rear audio ports	Four USB 3.0, two USB2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort		● Norton™ Internet Security (30 days of virus definitions)	
Internal connector	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		● Adobe® Reader®	
Audio	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	
Speaker	High Definition (HD) Audio, Realtek® ALC662 codec		● Windows Live™ Essentials	
IEEE 1394	Internal speaker for business audio		● Microsoft® Office preloaded; purchase a product key to activate	
Ethernet	None		● Corel® Burn.Now™ (DVD±RW)	
Intel AMT	One gigabit ethernet port, Intel 82579, Wake on LAN®		● Corel DVD MovieFactory® (DVD±RW)	
Modem	Intel Active Management Technology 8.0 (Intel AMT 8.0)			
Security chip	None			
Keyboard	Trusted Platform Module (TPM1.2-compliant)			
Mouse	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo			
Floor Stand	Enhanced Optical USB Mouse, black, Lenovo logo			
Power supply	System floor stand for vertical orientation			
Machine	240 watts, autosensing, 85% PSU			
Bay	● Business black color; metal case			
Slot	● 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			
	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			
				
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		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	
			ULE Gold	
			Cisco EnergyWise compatible	
			GREENGUARD® certified	
			RoHS-compliant	
			Supports ThinkVantage Technologies	

ThinkCentre M92p Small (3227) - GMP (Win 8)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a		SATA disk GB rpm		SATA optical	Media reader	Graphics	Display-Port dongle	Chassis intr switch	Floor stand	ENERGY STAR	Intel vPro 5.2	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
3227-A3G	4x3	i5-3470	4GBx1	1600MHz	500G	7200	DVD±RW	None	HD 2500	None	None	Stand	ES52	vPro	G P	Win8 Pro64	10/23/12
3227-A4G	4x3	i5-3470	4GBx1	1600MHz	500G	7200	DVD±RW	None	HD 2500	None	None	Stand	ES52	vPro	G P	Win7 Pro64	10/23/12

- 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, 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	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										- Windows 7 models									
DP dongle	None										<ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage Communication Utility• ThinkVantage Power Manager• Lenovo® AppShop• Lenovo Message Center Plus• Lenovo SimpleTap• Adobe® Reader™• Windows Live™ Essentials• Corel® Burn.Now™ (DVD±RW)• Corel DVD MovieFactory® (DVD±RW)									
Disk	SATA 6.0Gb/s 7200 rpm										- Windows 8 models									
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive										<ul style="list-style-type: none">• Lenovo Support• Lenovo Companion• Lenovo Cloud Storage• Norton™ Studio• AccuWeather• Evernote®• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)									
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support										- All models									
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										<ul style="list-style-type: none">• 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™									
eSATA port	None										Security <ul style="list-style-type: none">• 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)									
Media reader	None																			
Chipset	Intel Q77 Express Chipset																			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)																			
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)																			
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector																			
Audio	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	<ul style="list-style-type: none">• 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	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																			
										EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-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										Supports ThinkVantage Technologies									

ThinkCentre M92p Tower (2992) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	2nd Disk Bay	SATA optical	Media reader	Graphics	Display-Port dongle	Chassis intrusion switch	ENERGY STAR 5.2	Intel vPro	Global	Win7 preload	Ann date (mm/dd/yy)
2992-B3G	4x5	i7-3770	4GBx1 1600MHz	1TB 7200	Bay	DVD±RW	None	HD 4000	None	Switch	ES52	vPro	None	Pro 64	07/10/12
2992-B4G	4x5	i5-3470	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	Media	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
- 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		<div>Preloaded operating system</div> <div>Genuine Windows® 7 Professional 64</div> <div>Ready to install applications (only some listed)</div> <div><ul style="list-style-type: none">• Rescue and Recovery™• Password Manager</div> <div>Preloaded applications (only some listed)</div> <div><ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Power Manager• View Management Utility• Lenovo AppShop• 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)</div> <div>Security</div> <div><ul style="list-style-type: none">• Security chip (see information on left)• One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)• 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)</div> <div>EPEAT™ Gold rating</div> <div>ENERGY STAR® 5.2-compliant</div> <div>ULE Gold</div> <div>Cisco EnergyWise compatible</div> <div>GREENGUARD® certified</div> <div>RoHS-compliant</div> <div>Supports ThinkVantage Technologies</div>
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		
Implementation	Processor in LGA1155 socket		
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		
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		
DP dongle	None		
Disk	SATA 6.0Gb/s 7200 rpm		
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support		
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		
eSATA port	None		
Media reader	Some: 29-in-1 media reader, internal USB 2.0		
Chipset	Intel Q77 Express Chipset		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
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)		
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB devices), one internal DisplayPort connector		
Audio	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	<ul style="list-style-type: none">• 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		
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		
<div><div><div>optical</div><div>②</div><div>③</div><div>disk</div><div>□ □ □ □</div><div>⑤</div></div></div>			
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		

See footnotes for important warranty information

WE models announced July 10, 2012

WE models withdrawn effective May 2014

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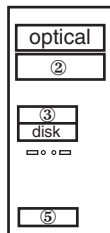
(G-MHTN1-9) May 2014

ThinkCentre M92p Tower (2992) - TopSeller (Win 8)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	2nd Disk Bay	SATA optical	Media reader	Graphics	PCIe Mini Card WLAN / BT	Chassis intrusion switch	ENERGY STAR 5.2	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), 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), Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4000, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket										Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Some: Windows 8 Pro 64-bit				
Implementation	Processor in LGA1155 socket										Preloaded applications (only some listed)				
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets										- Windows 7 models				
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										<ul style="list-style-type: none">• ThinkVantage® Product Recovery• 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	Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide Some: Hard Disk Drive / SATA 6.0Gb/s, 3.5" Wide, 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive										<ul style="list-style-type: none">• Lenovo® Support• Lenovo Companion• Lenovo Cloud Storage• Norton™ Studio• AccuWeather• Evernote®• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)				
Optical	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support										- All models				
SATA controller	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA 3.0Gb/s connector, and one eSATA connector										<ul style="list-style-type: none">• 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™				
Onboard SATA															
eSATA port	None														
Media reader	29-in-1 media reader, internal USB 2.0														
Chipset	Intel Q77 Express Chipset														
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)														
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)														
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB devices), one internal DisplayPort connector														
PCIe WLAN	11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2														
Bluetooth	None														
Audio	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	<ul style="list-style-type: none">• 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														
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														
															
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 ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant				
Supports ThinkVantage Technologies															

See footnotes for important warranty information
 WE models announced October 23, 2012 or March 5, 2013
 WE models withdrawn effective May 2014

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 (G-MHTN1-18) May 2014

ThinkCentre M92p Tower (2999)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	2nd Disk Bay	SATA optical	Media reader	Graphics	Display-Port dongle	Chassis intrusion switch	ENERGY STAR 5.2	Intel vPro	Global	Win7 preload (mm/dd/yy)	Ann date (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), Turbo Boost 2.0 (3.7GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket																			
Implementation																				
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, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz																			
DP dongle	None																			
Disk	SATA 6.0Gb/s 7200 rpm																			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive																			
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support																			
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																			
eSATA port	None																			
Media reader	None																			
Chipset	Intel Q77 Express Chipset																			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)																			
Rear ports	Four USB 3.0, two USB2.0, 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)																			
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB devices), one internal DisplayPort connector																			
Audio	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	<ul style="list-style-type: none">• 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																			
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																			
<div><div>optical</div><div>②</div><div>③</div><div>disk</div><div>== ==</div><div>⑤</div></div>																				
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																			
<div><div>EPEAT™ Gold rating</div><div>ENERGY STAR® 5.2-compliant</div><div>ULE Gold</div><div>Cisco EnergyWise compatible</div><div>GREENGUARD® certified</div><div>RoHS-compliant</div></div>																				
Supports ThinkVantage Technologies																				

See footnotes for important warranty information
 WE model announced July 10, 2012
 WE models withdrawn effective May 2014

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 (G-MHTN1-11) May 2014

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	2nd Disk Bay	SATA optical	Media reader	Graphics	Display-Port dongle	Chassis intrusion switch	ENERGY STAR 5.2	Intel vPro	Global	Win7 preload (mm/dd/yy)	Ann date (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	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, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket		
Implementation			Genuine Windows® 7 Professional 64
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		Ready to install 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		<ul style="list-style-type: none">• Rescue and Recovery™• Password Manager
DP dongle	None		Preloaded applications (only some listed)
Disk	SATA 6.0Gb/s 7200 rpm		<ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Power Manager• View Management Utility• Lenovo AppShop• 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)
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support		
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		
eSATA port	None		
Media reader	None		
Chipset	Intel Q77 Express Chipset		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Four USB 3.0, two USB2.0, 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)		
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB devices), one internal DisplayPort connector		
Audio	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	<ul style="list-style-type: none">• 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		
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		
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		

optical

②

③

disk

== ==

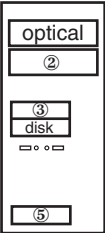
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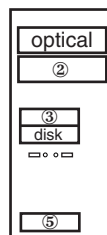
ThinkCentre M92p Tower (3228) - GMP

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	2nd Disk Bay	SATA optical	Media reader	Graphics	Display-Port dongle	Chassis intrusion switch	ENERGY STAR 5.2	Intel vPro	Global (G) GMP (P)	Win7 preload	Ann date (mm/dd/yy)
3228-A1G	4x5	i7-3770	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	None	HD 4000	None	None	ES52	vPro	G P	Pro 64	06/05/12
3228-A2G	4x5	i5-3470	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	None	HD 2500	None	None	ES52	vPro	G P	Pro 64	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, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology		Genuine Windows® 7 Professional 64	
Implementation	Intel Core i7-3770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4000, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket		Ready to install applications (only some listed)	
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets		● Rescue and Recovery™ ● Password Manager	
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		Preloaded applications (only some listed)	
DP dongle	None		● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● ThinkVantage Power Manager ● View Management Utility ● Lenovo AppShop ● 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)	
Disk	SATA 6.0Gb/s 7200 rpm			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support			
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			
eSATA port	None			
Media reader	None			
Chipset	Intel Q77 Express Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Four USB 3.0, two USB2.0, 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)			
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector			
Audio	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 ● 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		Security	
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 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) ● 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)	
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			
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 ULE Gold GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies	



See footnotes for important warranty information

WE models announced June 5 or June 19, 2012

WE models withdrawn effective May 2014

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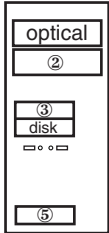
(G-MHTN1-6) May 2014

ThinkCentre M92p Tower (3228) - GMP (Win 8)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	2nd Disk Bay	SATA optical	Media reader	Graphics	Display-Port dongle	Chassis intrusion switch	ENERGY STAR 5.2	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
3228-A3G	4x5	i5-3470	4GBx1	500G 7200	Bay	DVD±RW	None	HD 2500	None	None	ES52	vPro	G P	Win8 Pro64	10/23/12
3228-A4G	4x5	i5-3470	4GBx1	500G 7200	Bay	DVD±RW	None	HD 2500	None	None	ES52	vPro	G P	Win7 Pro64	10/23/12

- 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 Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit 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		
Implementation	Processor in LGA1155 socket		
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, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz</i>		Preloaded applications (only some listed) - Windows 7 models <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage Communication Utility● ThinkVantage Power Manager● Lenovo® AppShop● Lenovo Message Center Plus● Lenovo SimpleTap● Adobe® Reader®● Windows Live™ Essentials● Corel® Burn.Now™ (DVD±RW)● Corel DVD MovieFactory® (DVD±RW) - Windows 8 models <ul style="list-style-type: none">● Lenovo Support● Lenovo Companion● Lenovo Cloud Storage● Norton™ Studio● AccuWeather● Evernote®● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW) - All models <ul style="list-style-type: none">● 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™
DP dongle	None		
Disk	SATA 6.0Gb/s 7200 rpm		
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support		
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		
eSATA port	None		
Media reader	None		
Chipset	Intel Q77 Express Chipset		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
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)		
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector		
Audio	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	<ul style="list-style-type: none">● 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 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, 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 (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		
			
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		

ThinkCentre Edge 72 Small and Tower

ThinkCentre®



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



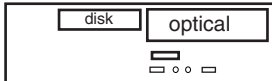
Lenovo ThinkCentre Edge 72 Tower

ThinkCentre Edge 72 Small (3493) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	Graphics	PCIe Mini Card WLAN	Blue-tooth	Media reader	Parallel port	Serial port	Floor stand	Global	Win7 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	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

Positioning Processor	<i>Stylish design, reliability, and productivity for small/medium businesses</i> 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		Preloaded operating system <i>Some:</i> Genuine Windows® 7 Professional 64 <i>Some:</i> Genuine Windows 7 Home Premium 64	
Implementation			Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager	
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets <i>System automatically clocks down for processors with 1066MHz or 1333MHz DDR3 memory controller</i>		Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● 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)	
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 <i>Maximum resolution: 2560x1600 (VGA) @60Hz; 1920x1200 (DVI-D) @60Hz</i>			
DP dongle	None			
Disk	SATA 3.0Gb/s 7200 rpm			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset			
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar			
eSATA port	None			
Media reader	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	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)			
PCIe WLAN	None			
Bluetooth	None			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
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	Lenovo® Slim USB Keyboard (USB connector), black, Lenovo logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Floor Stand	None			
Power supply	180 watts, universal, manual switch			
Machine	<ul style="list-style-type: none">● 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	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* *bay only available on models with media reader installed			
Slot	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			
				
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		Security <ul style="list-style-type: none">● One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-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 RoHS-compliant	
		Supports ThinkVantage Technologies		

See footnotes for important warranty information
 WE model(s) announced June 19, 2012
 WE models withdrawn effective May 2014

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ThinkCentre Edge 72 Small (3493) - TopSeller - II

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	Graphics	PCIe Mini Card WLAN	Blue-tooth	Media reader	Parallel port	Serial port	Floor stand	Global	Win7 preload	Ann date (mm/dd/yy)
3493-ERG	3x3	i5-3470S	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	None	Pro 64	06/19/12
3493-ESG	3x3	i7-3770S	4GBx1 1600MHz	1TB 7200	DVD±RW	HD 4000	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

Positioning Processor	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		Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• 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)	
Implementation	Processor in LGA1155 socket			
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets			
Graphics	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; <i>Maximum resolution:</i> 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz			
DP dongle	None			
Disk	SATA 3.0Gb/s 7200 rpm			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset			
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar			
eSATA port	None			
Media reader	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	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)			
PCIe WLAN	None			
Bluetooth	None			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
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	Lenovo® Slim USB Keyboard (USB connector), black, Lenovo logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Floor Stand	None			
Power supply	180 watts, universal, manual switch			
Machine	<ul style="list-style-type: none">• 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	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* *bay only available on models with media reader installed			
Slot	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			
		<div><div>disk</div><div>optical</div><div><div></div><div></div><div></div><div></div></div></div>		
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		Security <ul style="list-style-type: none">• One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-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 RoHS-compliant Supports ThinkVantage Technologies	


See footnotes for important warranty information
 WE model(s) announced June 19, 2012
 WE models withdrawn effective May 2014

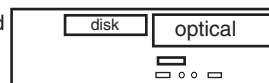
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ThinkCentre Edge 72 Small (3493) - TopSeller (Win 8)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	Graphics	PCIe Mini Card WLAN	Blue tooth	Media reader	Parallel port	Serial port	Floor stand	Global	Preload	Ann date (mm/dd/yy)
3493-BAG	3x3	G645	4GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	None	Win8 Pro64	10/23/12
3493-BBG	3x3	G645	4GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	None	Win8 64	10/23/12
3493-BCG	3x3	i3-3220	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	None	Win8 Pro64	10/23/12
3493-BDG	3x3	i3-3220	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	None	Win8 64	10/23/12
3493-BEG	3x3	G870	4GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	None	Win8 Pro64	10/23/12
3493-BFG	3x3	i5-3470S	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	None	Win8 Pro64	10/23/12
3493-BGG	3x3	i7-3770S	4GBx1 1600MHz	1TB 7200	DVD±RW	HD 4000	None	None	Media	Parallel	Serial	None	None	Win8 Pro64	10/23/12
3493-FBG	3x3	i3-2130	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2000	None	None	Media	Parallel	Serial	None	None	Win8 Pro64	10/23/12
3493-ABG	3x3	G645	4GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	None	Win7 Pro64	10/23/12
3493-AWG	3x3	G870	4GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	None	Win7 Pro64	10/23/12
3493-AYG	3x3	i3-3220	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	None	Win7 Pro64	10/23/12
3493-AZG	3x3	i5-3470S	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	None	Win7 Pro64	10/23/12
3493-BZG	3x3	i7-3770S	4GBx1 1600MHz	1TB 7200	DVD±RW	HD 4000	None	None	Media	Parallel	Serial	None	None	Win7 Pro64	10/23/12
3493-G6G	3x3	i3-2130	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2000	None	None	Media	Parallel	Serial	None	None	Win7 Pro64	11/20/12


Positioning Processor	<i>Stylish design, reliability, and productivity for small/medium businesses</i> Intel® Pentium® G645 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache) , integrated Intel HD Graphics, integrated DDR3 memory controller (up to 1066MHz) Intel Pentium G870 Processor (2 cores / 2 threads, 3.1GHz, 3MB cache) , integrated Intel HD Graphics, integrated DDR3 memory controller (up to 1333MHz) Intel Core™ i3-2130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache) , integrated Intel HD Graphics 2000, integrated DDR3 memory controller (up to 1333MHz) Intel Core i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache) , integrated Intel HD Graphics 2500, integrated DDR3 memory controller (up to 1600MHz) 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 Graphics 4000, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket		Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 8 64-bit <i>Some:</i> Windows 8 Pro 64-bit Preloaded applications (only some listed) - Windows 7 models <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• Lenovo Support• Lenovo Companion• Lenovo Cloud Storage• Lenovo QuickLaunch• Norton™ Studio• Intel AppUp®• AccuWeather• PC Device Stage• Evernote®• Intel Small Business Advantage• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW) - All models <ul style="list-style-type: none">• 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™	
Implementation	Processor in LGA1155 socket			
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets			
Graphics	Intel HD Graphics / 2000 / 2500 / 4000 in processor, uses main memory, one VGA, one DVI-D, supports dual independent display <i>Maximum resolution:</i> 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz			
DP dongle	None			
Disk	SATA 3.0Gb/s 7200 rpm			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset			
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar			
eSATA port	None			
Media reader	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	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)			
PCIe WLAN	None			
Bluetooth	None			
Audio	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			
Security chip	None			
Keyboard	Lenovo® Slim USB Keyboard (USB connector), black, Lenovo logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Floor Stand	None			
Power supply	180 watts, universal, manual switch			
Machine	<ul style="list-style-type: none">• 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	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* *bay only available on models with media reader installed			
Slot	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			
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			

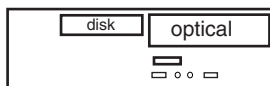


ThinkCentre Edge 72 Small (3493) - TopSeller (Win 8) - II

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	Graphics	PCIe Mini Card	Blue-tooth	Media reader	Parallel port	Serial port	Floor stand	Global	Keyboard	Preload	Ann date (mm/dd/yy)
3493-HFG	3x3	G2020	4GBx1	500G 7200	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	None	Slim	Win7 Pro64	03/05/13
3493-HJG	3x3	G2020	4GBx1	500G 7200	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	None	Full	Win7 Pro64	03/05/13
3493-HKG	3x3	G2120	4GBx1	500G 7200	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	None	Slim	Win7 Pro64	03/05/13
3493-LPG	3x3	G2020	4GBx1	500G 7200	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	None	Slim	Win8 64	03/05/13
3493-K9G	3x3	G2130	4GBx1	500G 7200	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	None	Slim	Win7 Pro64	05/28/13
3493-KAG	3x3	i3-3240	4GBx1	500G 7200	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	None	Slim	Win7 Pro64	05/28/13
3493-KBG	3x3	i3-3240	4GBx1	500G 7200	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	None	Full	Win7 Pro64	05/28/13
3493-KPG	3x3	G2030	4GBx1	500G 7200	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	None	Slim	Win8 64	06/11/13
3493-KQG	3x3	G2030	4GBx1	500G 7200	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	None	Slim	Win7 Pro64	06/11/13
3493-KRG	3x3	G2030	4GBx1	500G 7200	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	None	Full	Win7 Pro64	06/11/13
3493-L5G	3x3	i5-3470S	4+2GB	128G SSD	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	None	Slim	Win7 Pro64	06/25/13
3493-L6G	3x3	G2030	4GBx1	500G 7200	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	None	Slim	Win8 64	07/09/13
3493-MDG	3x3	i5-3330S	4GBx1	500G 7200	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	None	Full	Win7 Pro64	09/03/13
3493-MHG	3x3	i5-3330S	4GBx1	128G SSD	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	None	Full	Win7 Pro64	09/03/13

Positioning Processor	<i>Stylish design, reliability, and productivity for small/medium businesses</i> 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 controller Intel 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 controller Processor in LGA1155 socket			Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 8 64-bit Preloaded applications (only some listed) - Windows 7 models <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• Lenovo Support• Lenovo Companion• Lenovo Cloud Storage• Lenovo QuickLaunch• Norton™ Studio• Intel AppUp®• AccuWeather• PC Device Stage• Evernote®• Intel Small Business Advantage• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW) - All models <ul style="list-style-type: none">• 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™		
Implementation						
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets <i>System automatically clocks down for processors with 1333MHz DDR3 memory controller</i>					
Graphics	Intel HD Graphics or Intel HD Graphics 2500 in processor, uses main memory, one VGA, one DVI-D, supports dual independent display; <i>Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz</i>					
DP dongle	None					
Disk	Hard 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					
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset					
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar					
eSATA port	None					
Media reader	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	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)					
PCIe WLAN	None					
Bluetooth	None					
Audio	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					
Security chip	None					
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo <i>Some:</i> Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo					
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo					
Floor Stand	None					
Power supply	180 watts, universal, manual switch					
Machine	<ul style="list-style-type: none">• 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	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 (bay 3 only comes with opt media reader)					
Slot	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					
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					
				Security <ul style="list-style-type: none">• One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-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		
				RoHS-compliant		
				Supports ThinkVantage Technologies		



See footnotes for important warranty information

WE model(s) announced March 5, May 28, June 11, June 25, July 9, or September 3, 2013

WE models withdrawn effective May 2014

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(G-TAPI1-9) May 2014

Product Specifications Reference (PSREF)

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

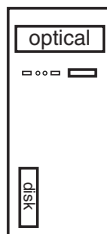
See footnotes for important warranty information
WE model(s) announced March 12, 2013
WE models withdrawn effective May 2014

ThinkCentre Edge 72 Tower (3484) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	2nd Disk Bay	SATA optical	Graphics	PCIe Mini Card WLAN	Blue-tooth	Media reader	Parallel port	Serial 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 64	08/21/12
3484-CUG	3x3	i3-2120	2GBx1 1600MHz	500G 7200	None	DVD±RW	HD 2000	None	None	None	Parallel	None	None	Prem 64	08/21/12

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

Positioning Processor	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		Preloaded operating system <i>Some:</i> Genuine Windows® 7 Professional 64 <i>Some:</i> Genuine Windows 7 Home Premium 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● 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)	
Implementation				
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets <i>System automatically clocks down for processors with 1066MHz or 1333MHz DDR3 memory controller</i>			
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 <i>Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz</i>			
DP dongle	None			
Disk	SATA 3.0Gb/s 7200 rpm			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset			
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar			
eSATA port	None			
Media reader	<i>Some:</i> 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	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)			
PCIe WLAN	None			
Bluetooth	None			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
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	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	<ul style="list-style-type: none">● 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) 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		Security <ul style="list-style-type: none">● One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-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 RoHS-compliant Supports ThinkVantage Technologies	

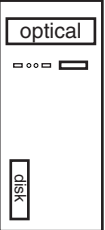
See footnotes for important warranty information
WE model(s) announced June 19 or August 21, 2012
WE models withdrawn effective May 2014

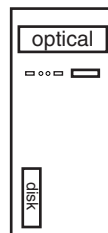
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(G-TAPI1-3) May 2014

ThinkCentre Edge 72 Tower (3484) - TopSeller - II

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	2nd Disk Bay	SATA optical	Graphics	PCIe Mini Card	Blue-tooth	Media reader	Parallel port	Serial port	Global Keyboard	Preload	Ann date (mm/dd/yy)	
3484-FRG	3x3	i5-3470S	4GBx1	500G 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Slim	Pro 64	06/19/12
3484-KJG	3x3	G2020	4GBx1	500G 7200	None	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	Slim	None	03/12/13
3484-KKG	3x3	G2020	4GBx1	500G 7200	None	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	Full	None	03/12/13
3484-KLG	3x3	i3-3220	4GBx1	500G 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Slim	None	03/26/13
3484-KMG	3x3	i5-3470S	4GBx1	500G 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Slim	None	03/26/13
3484-L3G	3x3	i3-3240	4GBx1	500G 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Slim	None	05/28/13
3484-LAG	3x3	G2030	4GBx1	500G 7200	None	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	Slim	None	06/11/13
3484-LBG	3x3	G2030	4GBx1	500G 7200	None	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	Full	None	06/11/13
3484-LHG	3x3	i5-3470S	4GBx1	500G 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Full	None	06/11/13
3484-LJG	3x3	i3-3240	4GBx1	500G 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Full	None	06/11/13
3484-LZG	3x3	i5-3330S	4GBx1	500G 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Slim	None	09/03/13
3484-N1G	3x3	i5-3330S	4GBx1	500G 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Full	None	09/03/13

Positioning Processor	<i>Stylish design, reliability, and productivity for small/medium businesses</i> 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 Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache) , integrated Intel HD Graphics 2500, 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 controller Intel 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 controller Processor in LGA1155 socket		Preloaded operating system <i>Some:</i> No operating system <i>Some:</i> Genuine Windows® 7 Professional 64	
Implementation	Processor in LGA1155 socket		Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager	
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets <i>System automatically clocks down for processors with 1333MHz DDR3 memory controller</i>		Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● 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)	
Graphics	Intel HD Graphics or Intel HD Graphics 2500 in processor, uses main memory one VGA, one DVI-D, supports dual independent display; <i>Maximum resolution:</i> 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz			
DP dongle	None			
Disk	SATA 3.0Gb/s 7200 rpm			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset			
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar			
eSATA port	None			
Media reader	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	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)			
PCIe WLAN	None			
Bluetooth	None			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
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	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo <i>Some:</i> 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	<ul style="list-style-type: none">● 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) 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		Security <ul style="list-style-type: none">● One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-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	
			RoHS-compliant	
			Supports ThinkVantage Technologies	



See footnotes for important warranty information

WE model(s) announced June 19, 2012 or March 12, March 26, May 28, June 11, or September 3, 2013

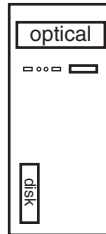
WE models withdrawn effective May 2014

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(G-TAPI1-4) May 2014

ThinkCentre Edge 72 Tower (3484) - TopSeller (Win 8)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	2nd Disk Bay	SATA optical	Graphics	PCIe Mini Card WLAN	Blue-tooth	Media reader	Parallel port	Serial port	Global	Preload	Ann date (mm/dd/yy)
3484-BAG	3x3	G645	4GBx1 1600MHz	500G 7200	None	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	Win8 Pro64	10/23/12
3484-BBG	3x3	G870	4GBx1 1600MHz	500G 7200	None	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	Win8 Pro64	10/23/12
3484-BCG	3x3	i3-3220	4GBx1 1600MHz	500G 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Win8 Pro64	10/23/12
3484-BDG	3x3	i3-3220	4GBx1 1600MHz	1TB 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Win8 Pro64	10/23/12
3484-BEG	3x3	i5-3570S	4GBx1 1600MHz	500G 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Win8 Pro64	10/23/12
3484-GEG	3x3	i3-2130	4GBx1 1600MHz	500G 7200	None	DVD±RW	HD 2000	None	None	Media	Parallel	Serial	None	Win8 Pro64	10/23/12
3484-CZG	3x3	G645	4GBx1 1600MHz	500G 7200	None	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	Win7 Pro64	10/23/12
3484-DAG	3x3	G870	4GBx1 1600MHz	500G 7200	None	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	Win7 Pro64	10/23/12
3484-DBG	3x3	i3-3220	4GBx1 1600MHz	500G 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Win7 Pro64	10/23/12
3484-DCG	3x3	i3-3220	4GBx1 1600MHz	1TB 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Win7 Pro64	10/23/12
3484-DDG	3x3	i5-3470S	4GBx1 1600MHz	500G 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Win7 Pro64	10/23/12
3484-DUG	3x3	i3-2130	4GBx1 1600MHz	500G 7200	None	DVD±RW	HD 2000	None	None	Media	Parallel	Serial	None	Win7 Pro64	11/20/12
3484-HMG	3x3	i5-3470S	4GBx1 1600MHz	500G 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Win8 Pro64	12/04/12
Positioning Processor	<i>Stylish design, reliability, and productivity for small/medium businesses</i> Intel® Pentium® G645 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache), integrated Intel HD Graphics, integrated DDR3 memory controller (up to 1066MHz) Intel Pentium G870 Processor (2 cores / 2 threads, 3.1GHz, 3MB cache), integrated Intel HD Graphics, integrated DDR3 memory controller (up to 1333MHz) Intel Core™ i3-2130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), integrated Intel HD Graphics 2000, integrated DDR3 memory controller (up to 1333MHz) Intel Core i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated DDR3 memory controller (up to 1600MHz) 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 i5-3570S Processor (4 cores / 4 threads, 3.1GHz, 6MB cache), Turbo Boost 2.0 (3.8GHz), integrated Intel HD 2500 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket											Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 8 Pro 64-bit			
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets <i>System automatically clocks down for processors with 1066MHz or 1333MHz DDR3 memory controller</i>											Preloaded applications (only some listed) - Windows 7 models <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• Lenovo Support• Lenovo Companion• Lenovo Cloud Storage• Lenovo QuickLaunch• Norton™ Studio• Intel AppUp®• AccuWeather• PC Device Stage• Evernote®• Intel Small Business Advantage• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW) - All models <ul style="list-style-type: none">• 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™			
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 <i>Maximum resolution: 2560x1600 (VGA) @60Hz; 1920x1200 (DVI-D) @60Hz</i>														
DP dongle	None														
Disk	SATA 3.0Gb/s 7200 rpm														
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive														
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset														
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar														
eSATA port	None														
Media reader	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	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)														
PCIe WLAN	None														
Bluetooth	None														
Audio	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														
Security chip	None														
Keyboard	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	<ul style="list-style-type: none">• 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) 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											Security <ul style="list-style-type: none">• One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-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			
											RoHS-compliant				
											Supports ThinkVantage Technologies				

See footnotes for important warranty information

WE model(s) announced October 23, November 20, or December 4, 2012

WE models withdrawn effective May 2014

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(G-TAPI-6) May 2014

ThinkCentre Edge 72 Tower (3484) - TopSeller (Win 8) - II

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	2nd Disk Bay	SATA optical	Graphics	PCIe Mini Card WLAN	Blue-tooth	Media reader	Parallel port	Serial port	Global Keyboard	Preload	Ann date (mm/dd/yy)
3484-JPG	3x3	G2020	4GBx1	500G 7200	None	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	Slim	Win7 Pro64 03/05/13
3484-JQG	3x3	G2020	4GBx1	500G 7200	None	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	Full	Win7 Pro64 03/05/13
3484-JRG	3x3	G2020	4GBx1	1TB 7200	None	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	Full	Win7 Pro64 03/05/13
3484-JSG	3x3	G2020	4GBx1	1TB 7200	None	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	Slim	Win7 Pro64 03/05/13
3484-JTG	3x3	G2120	4GBx1	500G 7200	None	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	Slim	Win7 Pro64 03/05/13
3484-JUG	3x3	G2120	4GBx1	500G 7200	None	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	Full	Win7 Pro64 03/05/13
3484-JVG	3x3	i5-3470S	4GBx1	1TB 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Full	Win7 Pro64 03/05/13
3484-JWG	3x3	i5-3470S	4GBx1	1TB 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Slim	Win7 Pro64 03/05/13
3484-JYG	3x3	i5-3470S	4GBx1	1TB 7200	None	DVD±RW	HD 7450	None	None	Media	Parallel	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	Stylish design, reliability, and productivity for small/medium businesses			<div>Preloaded operating system</div> <div>Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit</div> <div>Ready to install applications (only some listed)</div> <div><div>● Rescue and Recovery™</div><div>● Password Manager</div></div> <div>Preloaded applications (only some listed)</div> <div><div>● ThinkVantage® Product Recovery</div><div>● ThinkVantage System Update</div><div>● ThinkVantage Power Manager</div><div>● ThinkVantage Communication Utility</div><div>● View Management Utility</div><div>● Lenovo Solution Center</div><div>● Lenovo Message Center Plus</div><div>● Lenovo SimpleTap</div><div>● Norton™ Internet Security (30 days of virus definitions)</div><div>● Adobe® Reader®</div><div>● Skype™ for Windows</div><div>● Windows Live™ Essentials</div><div>● Microsoft® Office preloaded; purchase a product key to activate</div><div>● Corel® Burn.Now™ (DVD±RW)</div><div>● Corel DVD MovieFactory® (DVD±RW)</div></div>
Processor	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			
Implementation	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			
Memory	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			
Graphics	Processor in LGA1155 socket			
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets <i>System automatically clocks down for processors with 1333MHz DDR3 memory controller</i>			
Graphics	<div>Some: Intel HD Graphics or Intel HD Graphics 2500 in processor, uses main memory, one VGA, one DVI-D, supports dual independent display; <i>Maximum resolution:</i> 2560x1600 (VGA) @60Hz; 1920x1200 (DVI-D)@60Hz</div> <div>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; <i>Maximum resolution:</i> 2560x1600 (DisplayPort, DVI-I)@60Hz; works along with Intel HD Graphics to support up to four independent monitors</div>			
DP dongle	None			
Disk	SATA 3.0Gb/s 7200 rpm			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset			
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar			
eSATA port	None			
Media reader	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	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)			
PCIe WLAN	None			
Bluetooth	None			
Audio	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			
Security chip	None			
Keyboard	<div>Some: Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo</div> <div>Some: Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo</div>			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Power supply	180 watts, universal, manual switch			
Machine	<div><div><div>● Glossy black bezel; metal case</div><div>● 6.3" W X 15.7" D X 15.6" H (with handle)</div><div>● 160mm W X 399mm D X 397mm H</div><div>● 16.5 lb (7.5 kg) in maximum configuration</div><div>● Ergonomic rubberized handle</div><div>● Highlighted optical drive button for easy access</div></div><div><div>Bay 1: 5.25", 1.6" high, access, std optical</div><div>Bay 2: 1.5", .35" high, access, opt reader*</div><div>Bay 3: 3.5", 1" high, no access, std disk</div><div>*bay only available on models with media reader installed</div></div><div><div>Slot 1: half-length, full-height, PCI Express® 2.0 x16 (60w max)</div><div>Slot 2: half-length, full-height, PCIe 2.0 x1</div><div>Slot 3: half-length, full-height, PCIe 2.0 x1</div></div></div> <div><div><div>optical</div><div>■■■■■</div><div>disk</div></div></div>			
Bay				
Slot				
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			

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
- 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

- 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

RoHS-compliant

Supports ThinkVantage Technologies

See footnotes for important warranty information

WE model(s) announced March 5, 2013

WE models withdrawn effective May 2014

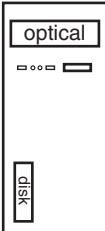
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(G-TAPI1-7) May 2014

ThinkCentre Edge 72 Tower (3484) - TopSeller (Win 8) - III

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	2nd Disk Bay	SATA optical	Graphics	PCIe Mini Card WLAN	Blue-tooth	Media reader	Parallel port	Serial port	Global Keyboard	Preload	Ann date (mm/dd/yy)
3484-L4G	3x3	i3-3240	4GBx1	500G 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Slim	Win7 Pro64 05/28/13
3484-L5G	3x3	i3-3240	4GBx1	500G 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Full	Win7 Pro64 05/28/13
3484-L6G	3x3	i3-3240	4GBx1	1TB 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Slim	Win7 Pro64 05/28/13
3484-L7G	3x3	i3-3240	4GBx1	1TB 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Full	Win7 Pro64 05/28/13
3484-L8G	3x3	G2130	4GBx1	500G 7200	None	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	Slim	Win7 Pro64 05/28/13
3484-L9G	3x3	G2130	4GBx1	500G 7200	None	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	Full	Win7 Pro64 05/28/13
3484-LCG	3x3	G2030	4GBx1	500G 7200	None	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	Slim	Win7 Pro64 06/11/13
3484-LDG	3x3	G2030	4GBx1	500G 7200	None	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	Full	Win7 Pro64 06/11/13
3484-LEG	3x3	G2030	4GBx1	1TB 7200	None	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	Slim	Win7 Pro64 06/11/13
3484-LFG	3x3	G2030	4GBx1	1TB 7200	None	DVD±RW	Intel HD	None	None	Media	Parallel	Serial	None	Full	Win7 Pro64 06/11/13

Positioning	Stylish design, reliability, and productivity for small/medium businesses		
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 Processor in LGA1155 socket		
Implementation	Processor in LGA1155 socket		
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets <i>System automatically clocks down for processors with 1333MHz DDR3 memory controller</i>		
Graphics	Intel HD Graphics or Intel HD Graphics 2500 in processor, uses main memory, one VGA, one DVI-D, supports dual independent display; <i>Maximum resolution: 2560x1600 (VGA) @60Hz; 1920x1200 (DVI-D) @60Hz</i>		
DP dongle	None		
Disk	SATA 3.0Gb/s 7200 rpm		
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset		
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar		
eSATA port	None		
Media reader	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	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)		
PCIe WLAN	None		
Bluetooth	None		
Audio	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		
Security chip	None		
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo <i>Some:</i> 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	<ul style="list-style-type: none">● 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) 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		
Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● 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 <ul style="list-style-type: none">● One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-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			
RoHS-compliant			
Supports ThinkVantage Technologies			

See footnotes for important warranty information
 WE model(s) announced May 28, 2013 or June 11, 2013
 WE models withdrawn effective May 2014

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 (G-TAPI1-10) May 2014

ThinkCentre Edge 72 Tower (3484) - TopSeller (Win 8) - IV

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	2nd Disk Bay	SATA optical	Graphics	PCle Mini Card WLAN	Blue-tooth	Media reader	Parallel port	Serial port	Global Keyboard	Preload	Ann date (mm/dd/yy)
3484-LPG	3x3	i5-3330S	4GBx1	500G 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Slim	Win7 Pro64 09/03/13
3484-N2G	3x3	i5-3330S	4GBx1	500G 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Full	Win7 Pro64 09/03/13
3484-N4G	3x3	i5-3330S	4GBx1	1TB 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Slim	Win7 Pro64 09/03/13
3484-N5G	3x3	i5-3330S	4GBx1	1TB 7200	None	DVD±RW	HD 2500	None	None	Media	Parallel	Serial	None	Full	Win7 Pro64 09/03/13
3484-N6G	3x3	i5-3330S	4GBx1	1TB 7200	None	DVD±RW	HD 7450	None	None	Media	Parallel	Serial	None	Full	Win7 Pro64 09/03/13
3484-N7G	3x3	i5-3330S	4GBx1	1TB 7200	None	DVD±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

Positioning	Stylish design, reliability, and productivity for small/medium businesses		<div>Preloaded operating system</div> <div>Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit</div> <div>Ready to install applications (only some listed)</div> <div><div>● Rescue and Recovery™</div><div>● Password Manager</div></div> <div>Preloaded applications (only some listed)</div> <div><div>● ThinkVantage® Product Recovery</div><div>● ThinkVantage System Update</div><div>● ThinkVantage Power Manager</div><div>● ThinkVantage Communication Utility</div><div>● View Management Utility</div><div>● Lenovo Solution Center</div><div>● Lenovo Message Center Plus</div><div>● Lenovo SimpleTap</div><div>● Norton™ Internet Security (30 days of virus definitions)</div><div>● Adobe® Reader®</div><div>● Skype™ for Windows</div><div>● Windows Live™ Essentials</div><div>● Microsoft® Office preloaded; purchase a product key to activate</div><div>● Corel® Burn.Now™ (DVD±RW)</div><div>● Corel DVD MovieFactory® (DVD±RW)</div></div>
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, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology		
Implementation	Processor in LGA1155 socket		
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets <i>System automatically clocks down for processors with 1333MHz DDR3 memory controller</i>		
Graphics	<i>Some: 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</i> <i>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</i>		
DP dongle	None		
Disk	SATA 3.0Gb/s 7200 rpm		
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset		
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar		
eSATA port	None		
Media reader	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	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)		
PCle WLAN	None		
Bluetooth	None		
Audio	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		
Security chip	None		
Keyboard	<i>Some: Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo</i> <i>Some: Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo</i>		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	180 watts, universal, manual switch		
Machine	<div>● Glossy black bezel; metal case</div> <div>● 6.3" W X 15.7" D X 15.6" H (with handle)</div> <div>● 160mm W X 399mm D X 397mm H</div> <div>● 16.5 lb (7.5 kg) in maximum configuration</div> <div>● Ergonomic rubberized handle</div> <div>● Highlighted optical drive button for easy access</div>		
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) 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		

See footnotes for important warranty information
 WE model(s) announced September 3, 2013
 WE models withdrawn effective May 2014

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ThinkCentre Edge 92z All-In-One

ThinkCentre®



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

ThinkCentre Edge 92z (3396) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	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
- 1-year limited warranty

Positioning	Stylish All-In-One PC for small/medium businesses		Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager● Business-in-a-Box Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Automatic Lock Utility● ThinkVantage Power Manager● View Management Utility● Lenovo Solution Center● Lenovo Message Center Plus● Intel Small Business Advantage● RapidBoot HDD Accelerator● Lenovo SimpleTap● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Evernote®● Symantec™ VIP● 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)
Processor	Intel® Core™ i3-2120 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD 2000 Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology		
Implementation	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		
Memory	16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)		
Graphics	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		
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; works as standalone monitor via HDMI-in connector		
Multi-touch	None		
Camera	Camera on top of screen, 2.0-megapixel, Full HD 1080p, fixed focus, integrated digital MIC array with stereo, LED indicator		
Controls	Front facing buttons for brightness up, brightness down, power on/off, and Video in		
Disk	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	7-in-1 Single Slot SD media reader		
Chipset	Intel B75 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in		
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
PCIe Mini Card	Two PCI Express® Mini Card slots		
PCIe WLAN†	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter		
PCIe mSATA	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	None		
Security chip	None		
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: <ul style="list-style-type: none">● 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)		
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		
	ENERGY STAR® 5.2-compliant RoHS-compliant Supports ThinkVantage Technologies		

See footnotes for important warranty information
 WE model(s) announced July 10, 2012
 WE models withdrawn effective May 2014

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 (G-TROY1-1) May 2014

ThinkCentre Edge 92z (3396) - TopSeller (Win 8)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	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)
3396-C4G	i3-3220	4GBx1	2.0M	500G 7200	None	DVD±RW	HD 2500	Intel 2230 + BT	Media	2.4G	None	Win7 Pro64	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 Pro64	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 Pro64	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 Pro64	03/05/13

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

Positioning	Stylish All-In-One PC for small/medium businesses			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 <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage Communication Utility• ThinkVantage Power Manager• Lenovo® Message Center Plus• Intel Small Business Advantage• RapidBoot HDD Accelerator• Lenovo SimpleTap• Adobe® Reader®• Symantec™ VIP• Windows Live™ Essentials• Corel® Burn.Now™ (DVD±RW)• Corel DVD MovieFactory® (DVD±RW) - Windows 8 models <ul style="list-style-type: none">• Lenovo Support• Lenovo Settings• 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 <ul style="list-style-type: none">• ThinkVantage System Update• ThinkVantage Automatic lock Utility• Lenovo Solution Center• View Management Utility• Norton Internet Security (30 days of virus definitions)• Microsoft® Office preloaded; purchase a product key to activate• Evernote®• Skype™
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 i5-3330S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), integrated Intel HD 2500 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			
Implementation	Processor in LGA1155 socket			
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)			
Graphics	Intel HD Graphics 2500 in processor, use main memory, external digital monitor support via HDMI, supports dual independent display; <i>Maximum resolution: 1920x1200 (HDMI)@60Hz</i> 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; works as standalone monitor via HDMI-in connector			
Widescreen display	None			
Multi-touch	Camera on top of screen, 2.0-megapixel, Full HD 1080p, fixed focus, integrated digital MIC array with stereo, LED indicator			
Camera	Front facing buttons for brightness up, brightness down, power on/off, and Video in			
Controls	Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide Some: Hard Disk Drive / SATA 6.0Gb/s, 3.5" Wide, 7200 rpm			
Disk	None			
mSATA™ SSD	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable			
Optical	7-in-1 Single Slot SD media reader			
Media reader	None			
Chipset	Intel B75 Express Chipset			
Rear ports	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in			
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
PCIe Mini Card	Two PCI Express® Mini Card slots			
PCIe WLAN ⁴	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2			
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter			
PCIe mSATA	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	None			
Security chip	None			
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	<i>Model(s) with Frame stand:</i> <ul style="list-style-type: none">• 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)			
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			

Security <ul style="list-style-type: none">• 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
ENERGY STAR® 5.2-compliant RoHS-compliant
Supports ThinkVantage Technologies

See footnotes for important warranty information
 WE model(s) announced November 13, 2012 or March 5, 2013
 WE models withdrawn effective May 2014

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 (G-TROY1-3) May 2014

ThinkCentre Edge 92z (3418) - TopSeller (Win 8)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	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
- 1-year limited warranty

Positioning	Stylish All-In-One PC for small/medium businesses		Preloaded operating system Windows® 8 64-bit Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® System Update• ThinkVantage Automatic lock Utility• View Management Utility• Lenovo® Support• Lenovo Settings• Lenovo Companion• Lenovo Cloud Storage• Lenovo QuickLaunch• Lenovo Solution Center• Microsoft® Office preloaded; purchase a product key to activate• Norton™ Internet Security (30 days of virus definitions)• Norton Studio• Intel AppUp®• AccuWeather• PC Device Stage• Evernote®• Skype™• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)
Processor	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		
Implementation	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; <i>Maximum resolution: 1920x1200(HDMI)@60Hz</i>		
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; works as standalone monitor via HDMI-in connector		
Multi-touch	None		
Camera	Camera on top of screen, 2.0-megapixel, Full HD 1080p, fixed focus, integrated digital MIC array with stereo, LED indicator		
Controls	Front facing buttons for brightness up, brightness down, power on/off, and Video in		
Disk	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	7-in-1 Single Slot SD media reader		
Chipset	Intel B75 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in		
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
PCIe Mini Card	Two PCI Express® Mini Card slots		
PCIe WLAN [†]	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter		
PCIe mSATA	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	None		
Security chip	None		
Keyboard	Lenovo® Slim New F5 USB Keyboard (USB connector), black		
Mouse	Enhanced Optical USB Mouse, black		
Power supply	180 watts, autosensing, 92% PSU		
Machine	<i>Model(s) with Frame stand:</i> <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• 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 for service dispatch / service upgrades available		ENERGY STAR® 5.2-compliant RoHS-compliant Supports ThinkVantage Technologies

See footnotes for important warranty information
WE model(s) announced May 28, 2013
WE models withdrawn effective May 2014

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(G-TROY1-4) May 2014

ThinkCentre Edge 92z (3414) - 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	Win7 preload (mm/dd/yy)	Ann date (mm/dd/yy)
3414-CQG	i3-2120	4GBx1	2.0M	500G 7200	None	DVD±RW	HD 7650A	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
- 1-year limited warranty

Positioning Processor	Stylish All-In-One PC for small/medium businesses Intel® Core™ i3-2120 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD 2000 Graphics, 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 listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager● Business-in-a-Box Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Automatic Lock Utility● ThinkVantage Power Manager● View Management Utility● Microsoft Touch Pack● Lenovo Solution Center● Lenovo Message Center Plus● Intel Small Business Advantage● RapidBoot HDD Accelerator● Lenovo SimpleTap● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Evernote®● Symantec™ VIP● 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)		
Implementation	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; <i>Maximum resolution: 1920x1200(HDMI)@60Hz</i>					
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; 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, integrated digital MIC array with stereo, LED indicator					
Controls	Front facing buttons for brightness up, brightness down, power on/off, and Video in					
Disk	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	7-in-1 Single Slot SD media reader					
Chipset	Intel B75 Express Chipset					
Rear ports	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in					
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)					
PCIe Mini Card	Two PCI Express® Mini Card slots					
PCIe WLAN ⁴	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2					
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter					
PCIe mSATA	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	None					
Security chip	None					
Keyboard	Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black					
Mouse	Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black					
Power supply	180 watts, autosensing, 92% PSU					
Machine	<i>Model(s) with Frame stand:</i> <ul style="list-style-type: none">● 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)					
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			Security <ul style="list-style-type: none">● 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 ENERGY STAR® 5.2-compliant RoHS-compliant Supports ThinkVantage Technologies		

See footnotes for important warranty information
WE model(s) announced July 10, 2012
WE models withdrawn effective May 2014

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(G-TROY1-2) May 2014

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 DOS License
Processor	Intel® Core™ i3-2130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), integrated Intel HD 2000 Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket		
Implementation	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; 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, integrated digital MIC array with stereo, LED indicator		
Controls	Front facing buttons for brightness up, brightness down, power on/off, and Video in		
Disk	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	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in		
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
PCIe Mini Card	Two PCI Express® Mini Card slots		
PCIe WLAN ⁴	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® wireless-N 105, 1x1		
Bluetooth	None		
PCIe mSATA	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	None		
Security chip	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: <ul style="list-style-type: none">• 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)		
Limited Warranty	3-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		
Security <ul style="list-style-type: none">• 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			
RoHS-compliant			
Supports ThinkVantage Technologies			

See footnotes for important warranty information
WE model(s) announced October 22, 2013
WE models withdrawn effective May 2014

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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.

- ¹ **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.
- ⁵ **Included software** may differ from its retail version (if available), and may not include user manuals or all program functionality. License agreements may apply.

⁶ **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.

⁷ **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.
- ²⁰ **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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Lenovo
1009 Think Place
Morrisville, NC 27560
U.S.A.

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