

ThinkCentre M72e Tiny, Small, Tower



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ThinkCentre M72e Tiny (4004) - TopSeller - withdrawn

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	Win7 preload	Ann date (mm/dd/yy)
4004-A1U	i3-2120T	4GBx1	320G 5400	DVD±RW	HD 2000	None	None	None	None	Mount	ES52	None	Pro 64 06/05/12
4004-A2U	G630T	4GBx1	320G 5400	DVD±RW	Intel HD	None	None	None	None	Mount	ES52	None	Pro 64 06/05/12
4004-A7U	G630T	2GBx1	320G 5400	None	Intel HD	None	None	None	Stand	Mount	ES52	None	Pro 64 06/05/12
4004-A9U	i3-2120T	4GBx1	500G 5400	None	HD 2000	None	None	None	Stand	Mount	ES52	None	Pro 64 06/05/12
4004-B2U	i3-2120T	4GBx1	320G 5400	None	HD 2000	None	None	None	Stand	Mount	ES52	None	Pro 64 06/05/12
4004-C3U	i3-2120T	4GBx1	500G 7200	DVD±RW	HD 2000	None	Intel 2230 + BT	None	None	Mount	ES52	None	Pro 64 06/19/12
4004-C4U	i3-2120T	4GBx1	500G 7200	None	HD 2000	None	Intel 2230 + BT	None	Stand	Mount	ES52	None	Pro 64 06/19/12
4004-B8U	i3-2120T	4GBx1	500G 7200	None	HD 2000	None	None	None	Stand	Mount	ES52	None	Pro 64 07/10/12
4004-B5U	i3-2120T	4GBx1	500G 7200	None	HD 2000	None	None	None	Stand	Mount	ES52	None	Pro 32 07/10/12

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

Positioning	<i>Essential business features, exceptional value</i>										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 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										Some: Genuine Windows® 7 Professional 32 Some: 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), <i>System automatically clocks down for processors with 1066MHz or 1333MHz DDR3 memory controller</i>										<ul style="list-style-type: none"> • Rescue and Recovery™ • Password Manager 		
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 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 Simple Tap • 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												
External optical	Some: 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	Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2												
Bluetooth	Some: 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	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	<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 		
											EPEAT™ Gold rating ENERGY STAR® 5.2-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant		
											Supports ThinkVantage Technologies		
											For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available												

See footnotes for important warranty information
US models announced June 5, June 19, or July 10, 2012

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(MOSI-1) July 2012

ThinkCentre M72e Tiny (4004) - TopSeller - II - withdrawn

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ⁸	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	Win7 preload	Ann date (mm/dd/yy)
4004-A8U	i5-3470T	4GBx1	750G 5400	None	HD 2500	None	None	None	Stand	Mount	ES52	None	Pro 64	06/05/12
4004-B1U	i5-3470T	4GBx1	500G 5400	None	HD 2500	None	None	None	Stand	Mount	ES52	None	Pro 64	06/05/12
4004-B4U	i5-3470T	4GBx2	750G 5400	None	HD 2500	None	None	None	Stand	None	ES52	None	Pro 64	06/05/12
4004-C1U	i5-3470T	4GBx1	500G 7200	None	HD 2500	None	Intel 2230 + BT	None	Stand	Mount	ES52	None	Pro 64	06/19/12
4004-C2U	i5-3470T	4GBx1	500G 7200	DVD±RW	HD 2500	None	Intel 2230 + BT	None	None	Mount	ES52	None	Pro 64	06/19/12
4004-B7U	i5-3470T	2GBx1	320G 7200	None	HD 2500	None	None	None	Stand	Mount	ES52	None	Pro 64	07/10/12
4004-B6U	i5-3470T	4GBx1	500G 7200	DVD±RW	HD 2500	None	None	None	None	Mount	ES52	None	Pro 64	07/10/12
4004-E7U	i3-3220T	4GBx1	500G 5400	None	HD 2500	None	None	None	Stand	Mount	ES52	None	Pro 64	09/04/12
4004-E8U	i3-3220T	4GBx1	500G 5400	DVD±RW	HD 2500	None	Intel 2230 + BT	None	None	Mount	ES52	None	Pro 64	09/04/12

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

Positioning	<i>Ultimate security, stability, and manageability for the enterprise</i>		Preloaded operating system
Processor	Intel® Core™ i3-3220T Processor (2 cores / 4 threads, 2.8GHz, 3MB cache) , integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Intel Core 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		Genuine Windows® 7 Professional 64 Ready to install applications (only some listed)
Implementation	Processor in LGA1155 socket		<ul style="list-style-type: none"> • Rescue and Recovery™ • Password Manager
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™, 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 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
DP dongle	None		
Disk	SATA 3.0Gb/s, 2.5" Wide		
External optical	Some: 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	Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Some: 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	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) 		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
			For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information
US models announced June 5, June 19, July 10, or September 4, 2012

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ThinkCentre M72e Tiny (4004) - TopSeller (Thin Client) - withdrawn

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	Win7 preload	Ann date (mm/dd/yy)
4004-D1U	G460	2GBx1	8G SSD	None	Intel HD	None	None	None	Stand	Mount	ES52	None	Emb 32	07/10/12
4004-E9U	G640T	2GBx1	8G SSD	None	Intel HD	None	None	None	Stand	Mount	ES52	None	Emb 32	08/14/12
4004-K4U	i5-3470T	2GBx1	8G SSD	None	HD 2500	None	Intel 105	None	Stand	None	ES52	None	Emb 32	03/05/13
4004-K3U	G640T	2GBx1	8G SSD	None	Intel HD	None	Intel 105	None	Stand	None	ES52	None	Emb 32	03/05/13
4004-LJU	G470	2GBx1	8G SSD	None	Intel HD	None	None	None	Stand	None	ES52	None	Emb 32	06/11/13
4004-LKU	G1610T	2GBx1	8G SSD	None	Intel HD	None	None	None	None	Mount	ES52	None	Emb 32	06/11/13
4004-LGU	G2020T	2GBx1	8G SSD	None	Intel HD	None	None	None	None	Mount	ES52	None	Emb 32	06/11/13
4004-LHU	G2020T	2GBx1	8G SSD	None	Intel HD	None	Intel 2230 + BT	None	None	Mount	ES52	None	Emb 32	06/11/13

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

Positioning	<i>Essential business features, exceptional value</i>	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
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 G470 Processor (1 core / 2 threads, 2.0GHz, 1.5MB cache) , integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Intel Celeron G1610T Processor (2 core / 2 threads, 2.3GHz, 2MB cache) , integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller Intel Pentium® G640T Processor (2 cores / 2 threads, 2.4GHz, 3MB cache) , integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Intel Pentium G2020T Processor (2 cores / 2 threads, 2.5GHz, 3MB cache) , integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller 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), <i>System automatically clocks down for processors with 1066MHz or 1333MHz DDR3 memory controller</i>	
Graphics	Intel HD Graphics or Intel HD Graphics 2500 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	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> 11b/g/n wireless, PCIe 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	<i>Some:</i> System floor stand for vertical orientation	
VESA mount	<i>Some:</i> 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 holidays, next business day response time / 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 GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet

See footnotes for important warranty information

US models announced July 10, 2012, August 14, 2012, March 5, 2013, or June 11, 2013

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

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ⁸	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	Preload	Ann date (mm/dd/yy)
4004-C6U	i5-3470T	4GBx1	500G 7200	DVD±RW	HD 2500	None	Intel 2230 + BT	None	None	Mount	ES52	None	Win8 Pro64	10/23/12
4004-C7U	i5-3470T	4GBx1	500G 7200	DVD±RW	HD 2500	None	None	None	None	Mount	ES52	None	Win8 Pro64	10/23/12
4004-C8U	i5-3470T	4GBx1	500G 7200	None	HD 2500	None	None	None	Stand	Mount	ES52	None	Win8 Pro64	10/23/12
4004-F2U	i3-3220T	4GBx1	500G 7200	None	HD 2500	None	None	None	Stand	Mount	ES52	None	Win8 Pro64	10/23/12
4004-F3U	i5-3470T	4GBx1	500G 7200	DVD±RW	HD 2500	None	None	None	None	Mount	ES52	None	Win8 Pro64	10/23/12
4004-G6U	i5-3470T	4GBx1	500G 7200	DVD±RW	HD 2500	None	None	None	None	Mount	ES52	None	Win7 Pro64	10/23/12
4004-G7U	i5-3470T	4GBx1	500G 7200	DVD±RW	HD 2500	None	Intel 105	None	None	Mount	ES52	None	Win7 Pro64	10/23/12
4004-G8U	i5-3470T	4GBx1	500G 7200	DVD±RW	HD 2500	None	Intel 2230 + BT	None	None	Mount	ES52	None	Win7 Pro64	10/23/12
4004-F1U	i3-3220T	4GBx1	500G 7200	None	HD 2500	None	Intel 105	None	None	Mount	ES52	None	Win7 Pro64	10/23/12
4004-H3U	i3-3220T	4GBx1	500G 5400	None	HD 2500	None	Intel 105	None	Stand	None	ES52	None	Win7 Pro64	11/20/12
4004-H4U	i3-3220T	4GBx1	180G SSD	None	HD 2500	None	Intel 105	None	Stand	None	ES52	None	Win7 Pro64	11/20/12
4004-J1U	i3-3220T	4GBx1	500G 7200	None	HD 2500	None	Intel 105	Serial	Stand	None	ES52	None	Win7 Pro64	12/25/12
4004-L2U	i5-3470T	4GBx2	180G SSD	DVD±RW	HD 2500	None	Intel 2230 + BT	None	None	Mount	ES52	None	Win7 Pro64	03/12/13

Positioning	<i>Essential business features, exceptional value</i>											Preloaded operating system	
Processor	Intel® Core™ i3-3220T Processor (2 cores / 4 threads, 2.8GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Intel Core 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											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)											- Windows 7 models	
Graphics	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	Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide Some: Hard Disk Drive / 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												
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	Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2												
Bluetooth	Some: 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											Security	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo											<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 	
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) 											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 holidays, next business day response time / service upgrades available											For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet	

See footnotes for important warranty information

US models announced Oct 23, 2012, Nov 20, 2012, Dec 25, 2012, or Mar 12, 2013

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

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ⁶	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	Preload	Ann date (mm/dd/yy)
4004-F1U	G640T	4GBx1	320G 7200	None	Intel HD	None	None	None	Stand	Mount	ES52	None	Win8 Pro64 10/23/12
4004-G3U	i3-2120T	4GBx1	500G 7200	None	HD 2000	None	None	None	Stand	None	ES52	None	Win7 Pro64 10/23/12
4004-G4U	i3-2120T	4GBx1	500G 7200	None	HD 2000	None	Intel 105	None	Stand	None	ES52	None	Win7 Pro64 10/23/12
4004-G5U	i3-2120T	4GBx1	500G 7200	None	HD 2000	None	Intel 2230 + BT	None	Stand	None	ES52	None	Win7 Pro64 10/23/12
4004-G9U	i3-2120T	4GBx1	500G 7200	None	HD 2000	None	None	None	None	Mount	ES52	None	Win7 Pro64 10/23/12
4004-H2U	i3-2120T	4GBx1	500G 7200	None	HD 2000	None	Intel 2230 + BT	None	None	Mount	ES52	None	Win7 Pro64 10/23/12
4004-H5U	G645T	4GBx1	500G 5400	None	Intel HD	None	Intel 105	None	Stand	None	ES52	None	Win7 Pro64 11/20/12
4004-J2U	G645T	4GBx1	500G 7200	None	Intel HD	None	Intel 105	Serial	Stand	None	ES52	None	Win7 Pro64 12/25/12
4004-H6U	G1610T	4GBx1	500G 5400	None	Intel HD	None	Intel 105	None	Stand	None	ES52	None	Win7 Pro64 01/22/13
4004-H7U	G2020T	4GBx1	500G 5400	None	Intel HD	None	Intel 105	None	Stand	None	ES52	None	Win7 Pro64 01/22/13

Positioning Processor	<p><i>Essential business features, exceptional value</i></p> <p>Intel® Celeron® G1610T Processor (2 cores / 2 threads, 2.3GHz, 2MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology</p> <p>Intel Pentium® G640T Processor (2 cores / 2 threads, 2.4GHz, 3MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller</p> <p>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</p> <p>Intel Pentium G2020T Processor (2 cores / 2 threads, 2.5GHz, 3MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology</p> <p>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</p>							<p>Preloaded operating system</p> <p><i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit</p> <p><i>Some:</i> Windows 8 Pro 64-bit</p> <p>Preloaded applications (only some listed)</p> <p>- Windows 7 models</p> <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) <p>- Windows 8 models</p> <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) <p>- All models</p> <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), <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, 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)													
PCIe Mini Card	One PCI Express® Mini Card slot													
PCIe WLAN	<p><i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1</p> <p><i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2</p>													
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							<p>Security</p> <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 						
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo													
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo													
Floor Stand	<i>Some:</i> System floor stand for vertical orientation													
VESA mount	<i>Some:</i> 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) 							<p>EPEAT™ Gold rating</p> <p>ENERGY STAR® 5.2-compliant</p> <p>Cisco EnergyWise compatible</p> <p>GREENGUARD® certified</p> <p>RoHS-compliant</p> <p>Supports ThinkVantage Technologies</p> <p>For compatible accessories, please go to O-M72E sheet;</p> <p>For Lenovo service upgrade options, please go to S-TC sheet</p>						
Limited Warranty	<p>3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available</p>													

See footnotes for important warranty information

US models announced Oct 23, 2012, Nov 20, 2012, Dec 25, 2012, or Jan 22, 2013

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(MOSI1-38) February 2013

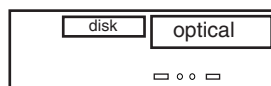
ThinkCentre M72e Small (0967) - TopSeller - withdrawn

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)
0967-A1U	3x2	i5-3470	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	None	Stand	None	None	Pro 64	06/05/12
0967-A7U	3x2	i3-3220	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	None	Stand	None	None	Pro 64	09/04/12

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

Positioning	<i>Essential business features, exceptional value</i>								Preloaded operating system			
Processor	Intel® Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Intel Core 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								Genuine Windows® 7 Professional 64 Ready to install applications (only some listed)			
Implementation	Processor in LGA1155 socket								<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)			
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>								<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 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 [†]	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, 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 								Security			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk								<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) 			
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								Cisco EnergyWise compatible RoHS-compliant Supports ThinkVantage Technologies			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available								For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet			



See footnotes for important warranty information
 US models announced June 5, or September 4, 2012

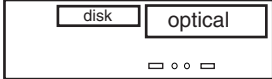
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 (MOSI1-6) September 2012

ThinkCentre M72e Small (0967) - TopSeller - II - withdrawn

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)
0967-A2U	3x2	G860	2GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	None	Stand	None	None	Pro 64	06/19/12
0967-A3U	3x2	i3-2120	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2000	None	Stand	None	None	Pro 64	06/19/12
0967-B2U	3x2	G640	2GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	None	Stand	None	None	Pro 64	09/04/12

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

Positioning	<i>Essential business features, exceptional value</i>										
Processor	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 G860 Processor (2 cores / 2 threads, 3.0GHz, 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										
Implementation											
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets; System automatically clocks down for processors with 1066 or 1333MHz DDR3 memory controller										
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	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, 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										
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										
											
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) 											
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											
For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet											
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available										

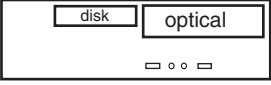
See footnotes for important warranty information
US models announced June 19 or September 4, 2012

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ThinkCentre M72e Small (0967) - TopSeller (Win 8) - withdrawn

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	SATA optical	Graphics	Chassis intr switch	Floor stand	ENERGY STAR 5.2	Global	Preload	Ann date (mm/dd/yy)
0967-A8U	3x2	G870	2GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	None	Stand	None	None	Win8 Pro64	10/23/12
0967-A9U	3x2	i3-3220	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	None	Stand	None	None	Win8 Pro64	10/23/12
0967-B1U	3x2	i5-3470	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	None	Stand	None	None	Win8 Pro64	10/23/12
0967-B6U	3x2	G645	2GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	None	Stand	None	None	Win7 Pro64	10/23/12
0967-B3U	3x2	G860	2GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	None	Stand	None	None	Win7 Pro64	10/23/12
0967-B4U	3x2	i3-3220	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	None	Stand	None	None	Win7 Pro64	10/23/12
0967-B5U	3x2	i5-3470	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	None	Stand	None	None	Win7 Pro64	10/23/12
0967-B8U	3x2	G2120	4GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	None	Stand	None	None	Win7 Pro64	12/04/12
0967-C1U	3x2	G2020	2GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	None	Stand	None	None	Win7 Pro64	02/19/13
0967-B9U	3x2	G2120	2GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	None	Stand	None	None	Win7 Pro64	02/19/13
0967-C2U	3x2	i7-3770	4GBx2 1600MHz	250G 7200	DVD±RW	HD 4000	None	Stand	None	None	Win7 Pro64	06/11/13

Positioning Processor	<p><i>Essential business features, exceptional value</i></p> <p>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 G2020 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache), integrated Intel HD Graphics, integrated DDR3 memory controller (up to 1333MHz) Intel Pentium G860 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), integrated Intel HD Graphics, integrated DDR3 memory controller (up to 1333MHz) Intel Pentium G870 Processor (2 cores / 2 threads, 3.1GHz, 3MB cache), integrated Intel HD Graphics, integrated DDR3 memory controller (up to 1333MHz) Intel Pentium G2120 Processor (2 cores / 2 threads, 3.1GHz, 3MB cache), integrated Intel HD Graphics, integrated DDR3 memory controller (up to 1600MHz) 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 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</p>							<p>Preloaded operating system</p> <p>Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit</p> <p>Some: Windows 8 Pro 64-bit</p> <p>Preloaded applications (only some listed)</p> <p>- Windows 7 models</p> <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) <p>- Windows 8 models</p> <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) <p>- All models</p> <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; System automatically clocks down for processors with 1066MHz or 1333MHz DDR3 memory controller												
Graphics	Intel HD Graphics, Intel HD Graphics 2500, or Intel HD Graphics 4000 in processor, uses main memory, 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 eSATA port	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar												
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, 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												
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 holidays, next business day response time / service upgrades available							<p>Security</p> <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) <p>Cisco EnergyWise compatible RoHS-compliant</p> <p>Supports ThinkVantage Technologies</p> <p>For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet</p>					

See footnotes for important warranty information

US models announced October 23 or December 4, 2012 or February 19 or June 11, 2013

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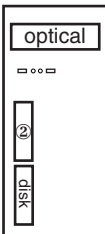
(MOSI1-24) June 2013

ThinkCentre M72e Tower (0958) - TopSeller - withdrawn

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	2nd Disk Bay	SATA optical	Graphics	Chassis intr switch	ENERGY STAR 5.2	Global	Win7 preload	Ann date (mm/dd/yy)
0958-A1U	3x3	i5-3470	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	None	None	None	Pro 64	06/05/12
0958-A4U	3x3	i3-3220	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	None	None	None	Pro 64	09/04/12

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

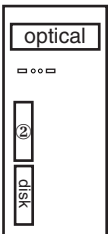
Positioning	<i>Essential business features, exceptional value</i>							Preloaded operating system				
Processor	Intel® Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Intel Core i5-3470 Processor (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							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)				
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets							<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, 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, 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											
												
								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				
								For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet				
Limited Warranty	3-years, limited onsite service. 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available											

ThinkCentre M72e Tower (0958) - TopSeller - II - withdrawn

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)
0958-A2U	3x3	G860	2GBx1 1600MHz	500G 7200	Bay	DVD±RW	Intel HD	None	None	None	Pro 64	06/19/12
0958-A3U	3x3	i3-2120	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2000	None	None	None	Pro 64	06/19/12
0958-A8U	3x3	G640	2GBx1 1600MHz	500G 7200	Bay	DVD±RW	Intel HD	None	None	None	Pro 64	09/04/12

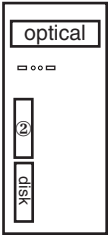
- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 3-year limited warranty

Positioning	<i>Essential business features, exceptional value</i>							Preloaded operating system				
Processor	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 G860 Processor (2 cores / 2 threads, 3.0GHz, 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							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 Simple Tap • 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; <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	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, 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, 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 holidays, next business day response time / 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 For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet				

ThinkCentre M72e Tower (0958) - TopSeller (Win 8) - withdrawn

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	2nd Disk Bay	SATA optical	Graphics	Chassis intr switch	ENERGY STAR 5.2	Global	Preload	Ann date (mm/dd/yy)
0958-A5U	3x3	G870	2GBx1 1600MHz	500G 7200	Bay	DVD±RW	Intel HD	None	None	None	Win8 Pro64	10/23/12
0958-A6U	3x3	i3-3220	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	None	None	None	Win8 Pro64	10/23/12
0958-A7U	3x3	i5-3470	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	None	None	None	Win8 Pro64	10/23/12
0958-A9U	3x3	G860	2GBx1 1600MHz	500G 7200	Bay	DVD±RW	Intel HD	None	None	None	Win7 Pro64	10/23/12
0958-B1U	3x3	i3-3220	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	None	None	None	Win7 Pro64	10/23/12
0958-B2U	3x3	i5-3470	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	None	None	None	Win7 Pro64	10/23/12
0958-B3U	3x3	G645	2GBx1 1600MHz	500G 7200	Bay	DVD±RW	Intel HD	None	None	None	Win7 Pro64	10/23/12
0958-B4U	3x3	G2120	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	Intel HD	None	None	None	Win7 Pro64	12/04/12
0958-B5U	3x3	G2120	2GBx1 1600MHz	500G 7200	Bay	DVD±RW	Intel HD	None	None	None	Win7 Pro64	02/19/13
0958-B6U	3x3	G2020	2GBx1 1600MHz	500G 7200	Bay	DVD±RW	Intel HD	None	None	None	Win7 Pro64	02/19/13
0958-B7U	3x3	i7-3770	4GBx2 1600MHz	250G 7200	Bay	DVD±RW	HD 4000	None	None	None	Win7 Pro64	06/11/13

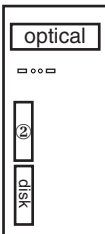
Positioning Processor	<i>Essential business features, exceptional value</i> Intel® Pentium® G645 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache), integrated Intel HD Graphics, integrated DDR3 memory controller (up to 1066MHz) Intel Pentium G2020 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache), integrated Intel HD Graphics, integrated DDR3 memory controller (up to 1333MHz) Intel Pentium G860 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), integrated Intel HD Graphics, integrated DDR3 memory controller (up to 1333MHz) Intel Pentium G870 Processor (2 cores / 2 threads, 3.1GHz, 3MB cache), integrated Intel HD Graphics, integrated DDR3 memory controller (up to 1333MHz) Intel Pentium G2120 Processor (2 cores / 2 threads, 3.1GHz, 3MB cache), integrated Intel HD Graphics, integrated DDR3 memory controller (up to 1600MHz) 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 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	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; <i>System automatically clocks down for processors with 1066MHz or 1333MHz DDR3 memory controller</i>	
Graphics	Intel HD Graphics, Intel HD Graphics 2500, or Intel HD Graphics 4000 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	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 [†]	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, 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 holidays, next business day response time / 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 For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet

ThinkCentre M72e Tower (3675) - ES 5.2 (TopSeller) - withdrawn

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	2nd Disk Bay	SATA optical	Graphics	Chassis intr switch	ENERGY STAR 5.2	Global	Win7 preload	Ann date (mm/dd/yy)
3675-A1U	3x3	i5-3470	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	None	ES52	None	Pro 64	06/05/12

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

Positioning	<i>Essential business features, exceptional value</i>						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						Genuine Windows® 7 Professional 64					
Implementation	Processor in LGA1155 socket						Ready to install applications (only some listed)					
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 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 DVI-D, supports dual independent display; <i>Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz</i>						Preloaded applications (only some listed)					
Disk	SATA 3.0Gb/s 7200 rpm						<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) 					
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											
							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					
							For compatible accessories, please go to O-M72E sheet;					
							For Lenovo service upgrade options, please go to S-TC sheet					
Limited Warranty	3-years, limited onsite service. 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available											

ThinkCentre M72e Tiny (3264) - withdrawn

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	Win7 preload	Ann date (mm/dd/yy)
3264-D7U	G630T	4GBx1	320G 5400	DVD±RW	Intel HD	None	None	None	None	Mount	ES52	None	Pro 64 06/05/12
3264-A1U	i3-2120T	4GBx1	320G 5400	None	HD 2000	None	None	None	Stand	None	ES52	None	Pro 64 06/05/12
3264-A2U	G630T	2GBx1	320G 5400	None	Intel HD	None	None	None	Stand	None	ES52	None	Pro 64 06/05/12
3264-A3U	G530T	2GBx1	320G 5400	None	Intel HD	None	None	None	Stand	None	ES52	None	Pro 32 06/05/12
3264-A4U	G460	2GBx1	320G 5400	None	Intel HD	None	None	None	Stand	None	ES52	None	Pro 32 06/05/12
3264-A5U	i3-2120T	4GBx1	500G 5400	None	HD 2000	None	None	None	Stand	None	ES52	None	Pro 64 06/05/12
3264-P7U	i3-2120T	4GBx1	500G 7200	DVD±RW	HD 2000	None	Intel 105	None	None	Mount	ES52	None	Pro 64 06/19/12
3264-P8U	i3-2120T	4GBx1	500G 7200	DVD±RW	HD 2000	None	Intel 105	None	None	Mount	ES52	None	Prem 64 06/19/12
3264-N2U	i3-2120T	2GBx1	320G 7200	None	HD 2000	None	None	None	Stand	None	ES52	None	Pro 32 07/10/12
3264-N3U	i3-2120T	4GBx1	320G 7200	DVD±RW	HD 2000	None	None	None	None	Mount	ES52	None	Pro 32 07/10/12
3264-N4U	G630T	4GBx1	320G 7200	None	Intel HD	None	None	None	Stand	None	ES52	None	Pro 32 07/10/12

●3-year limited warranty

Positioning Processor	<i>Ultimate security, stability, and manageability for the enterprise</i> 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 G530T Processor (2 cores / 2 threads, 2.0GHz, 2MB cache) , integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Intel Pentium® G630T Processor (2 cores / 2 threads, 2.3GHz, 3MB cache) , integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller 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	Preloaded operating system <i>Some:</i> Genuine Windows® 7 Professional 32 <i>Some:</i> Genuine Windows 7 Professional 64 <i>Some:</i> Genuine Windows 7 Home Premium 64 Ready to install applications (only some listed) ● Rescue and Recovery™ ● Password Manager Preloaded applications (only some listed) ● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Power Manager ● ThinkVantage Communication Utility ● View Management Utility ● Lenovo Solution Center ● 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 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 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	<i>Some:</i> 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	<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	Security ● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) ● Power-on password ● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● Individual USB port disablement
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Floor Stand	<i>Some:</i> System floor stand for vertical orientation	
VESA mount	<i>Some:</i> 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) 	EPEAT™ Gold rating ENERGY STAR® 5.2-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available	Supports ThinkVantage Technologies For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet

See footnotes for important warranty information
US models announced June 5, June 19, or July 10, 2012

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ThinkCentre M72e Tiny (3264) - II - withdrawn

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	Win7 preload	Ann date (mm/dd/yy)
3264-A7U	i5-3470T	4GBx1	500G 5400	DVD±RW	None	None	None	None	None	None	Mount	ES52	None	Pro 64 06/05/12
3264-B7U	i5-3470T	4GBx1	500G 5400	None	None	None	None	None	None	Stand	None	ES52	None	Pro 64 06/05/12
3264-P9U	i5-3470T	4GBx1	500G 7200	DVD±RW	None	Intel 105	None	None	None	None	Mount	ES52	None	Pro 64 06/19/12
3264-Q1U	i5-3470T	4GBx1	500G 7200	DVD±RW	None	Intel 2230 + BT	None	None	None	None	Mount	ES52	None	Pro 64 06/19/12
3264-Q2U	i5-3470T	4GBx1	500G 7200	None	None	Intel 2230 + BT	None	None	None	Stand	Mount	ES52	None	Pro 64 06/19/12
3264-N5U	i5-3470T	4GBx1	500G 7200	None	None	None	None	None	None	Stand	None	ES52	None	Pro 64 07/10/12
3264-V1U	i5-3470T	4GBx2	180G SSD	DVD±RW	None	Intel 2230 + BT	None	Switch	Cable	None	Mount	ES52	None	Pro 64 11/06/12

●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											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)											<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	<i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide <i>Some:</i> Hard Disk Drive / 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 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	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> 11b/g/n wireless, PCIe 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	<i>Some:</i> System floor stand for vertical orientation													
VESA mount	<i>Some:</i> 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		
												Supports ThinkVantage Technologies		
												For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available													

See footnotes for important warranty information
US models announced June 5, June 19, July 10, or Nov 6, 2012

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ThinkCentre M72e Tiny (3264) - Thin Client - withdrawn

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	Win7 preload	Ann date (mm/dd/yy)
3264-R3U	G460	2GBx1	8G SSD	None	Intel HD	None	None	None	Stand	Mount	ES52	None	Emb 32 07/10/12
3264-R6U	G640T	4GBx1	8G SSD	None	Intel HD	None	None	None	None	Mount	ES52	None	Emb 32 09/04/12
3264-AMU	G640T	2GBx1	8G SSD	None	Intel HD	None	Intel 2230 + BT	None	Stand	None	ES52	None	Emb 32 03/05/13
3264-YSU	G2020T	2GBx1	8G SSD	None	Intel HD	None	Intel 2230 + BT	None	Stand	None	ES52	None	Emb 32 06/11/13
3264-YTU	G470	2GBx1	8G SSD	None	Intel HD	None	None	None	Stand	None	ES52	None	Emb 32 06/11/13

●3-year limited warranty

Positioning Processor	<p><i>Ultimate security, stability, and manageability for the enterprise</i></p> <p>Intel® Celeron® G460 Processor (1 core / 2 threads, 1.8GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller</p> <p>Intel Celeron G470 Processor (1 core / 2 threads, 2.0GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller</p> <p>Intel Pentium® G640T Processor (2 cores / 2 threads, 2.4GHz, 3MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller</p> <p>Intel Pentium G2020T Processor (2 cores / 2 threads, 2.5GHz, 3MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller</p>	<p>Preloaded operating system</p> <p>Genuine Windows® 7 Embedded 32</p> <p>Preloaded applications (only some listed)</p> <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	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 or 1333MHz 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	<i>Some:</i> 11b/g/n wireless, PCIe 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	<p>Security</p> <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
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Floor Stand	<i>Some:</i> System floor stand for vertical orientation	
VESA mount	<i>Some:</i> 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) 	<p>EPEAT™ Gold rating</p> <p>ENERGY STAR® 5.2-compliant</p> <p>GREENGUARD® certified</p> <p>RoHS-compliant</p> <p>Supports ThinkVantage Technologies</p>
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available	

See footnotes for important warranty information

US models announced July 10, 2012, September 4, 2012, March 5, 2013, or June 11, 2013

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ThinkCentre M72e Tiny (3264) - Windows 8 - withdrawn

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical	Graphics	PCIe Mini Card WLAN / BT	Optional port	Floor stand	VESA mount	ENERGY STAR 5.2	Key- board/ Mouse	Global	Preload	Ann date (mm/dd/yy)
3264-Q5U	i5-3470T	4GBx1	500G 7200	DVD±RW	HD 2500	None	None	None	Mount	ES52	USB	None	Win8 Pro64	10/23/12
3264-R1U	i5-3470T	4GBx1	500G 7200	None	HD 2500	Intel 2230 + BT	None	Stand	Mount	ES52	USB	None	Win8 Pro64	10/23/12
3264-R2U	i5-3470T	4GBx1	500G 7200	DVD±RW	HD 2500	Intel 2230 + BT	None	None	Mount	ES52	USB	None	Win8 Pro64	10/23/12
3264-R8U	i3-3220T	4GBx1	320G 7200	None	HD 2500	None	None	None	Mount	ES52	USB	None	Win8 Pro64	10/23/12
3264-R9U	i3-3220T	4GBx1	320G 7200	DVD±RW	HD 2500	Intel 2230 + BT	None	None	Mount	ES52	USB	None	Win8 Pro64	10/23/12
3264-S1U	i5-3470T	4GBx1	320G 7200	DVD±RW	HD 2500	Intel 2230 + BT	None	None	Mount	ES52	USB	None	Win8 Pro64	10/23/12
3264-S2U	i5-3470T	4GBx1	320G 7200	None	HD 2500	Intel 2230 + BT	None	None	Mount	ES52	USB	None	Win8 Pro64	10/23/12
3264-T2U	i5-3470T	4GBx1	500G 7200	DVD±RW	HD 2500	None	None	None	Mount	ES52	USB	None	Win7 Pro64	10/23/12
3264-T3U	i3-3220T	4GBx1	500G 7200	None	HD 2500	None	None	None	Mount	ES52	USB	None	Win7 Pro64	10/23/12
3264-T4U	i3-3220T	4GBx1	500G 7200	None	HD 2500	Intel 105	None	None	Mount	ES52	USB	None	Win7 Pro64	10/23/12
3264-T5U	i5-3470T	4GBx1	500G 7200	None	HD 2500	None	None	None	Mount	ES52	USB	None	Win7 Pro64	10/23/12
3264-T7U	i5-3470T	4GBx1	500G 5400	None	HD 2500	None	None	Stand	None	ES52	USB	None	Win7 Pro64	10/23/12
3264-T9U	i5-3470T	4GBx1	500G 7200	DVD±RW	HD 2500	Intel 105	None	None	Mount	ES52	USB	None	Win7 Pro64	10/23/12
3264-U1U	i5-3470T	4GBx1	500G 7200	DVD±RW	HD 2500	Intel 2230 + BT	None	None	Mount	ES52	USB	None	Win7 Pro64	10/23/12
3264-U2U	i5-3470T	4GBx1	500G 7200	None	HD 2500	Intel 2230 + BT	None	Stand	None	ES52	USB	None	Win7 Pro64	10/23/12
3264-U3U	i5-3470T	4GBx1	500G 7200	None	HD 2500	Intel 2230 + BT	None	None	Mount	ES52	USB	None	Win7 Pro64	10/23/12
3264-YRU	i3-3220T	4GBx1	500G 7200	None	HD 2500	Intel 105	None	None	Mount	ES52	2.4G	None	Win8 Pro64	05/28/13

Positioning	<i>Ultimate security, stability, and manageability for the enterprise</i>										
Processor	Intel® Core™ i3-3220T Processor (2 cores / 4 threads, 2.8GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Intel Core 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										
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, 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	<i>Some:</i> 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	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> 11b/g/n wireless, PCIe 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	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo <i>Some:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black										
Mouse	<i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>Some:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black										
Floor Stand	<i>Some:</i> System floor stand for vertical orientation										
VESA mount	<i>Some:</i> Supports VESA 75mm and 100mm mount standard										
Power supply	65 watts AC/DC adapter, autosenesing, 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 holidays, next business day response time / 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® SimpleTap • 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™ 										
	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										
	For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet										

See footnotes for important warranty information
 US models announced October 23, 2012 or May 28, 2013

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ThinkCentre M72e Tiny (3264) - Windows 8 - II - withdrawn

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	Key-board/ Mouse	Global	Preload	Ann date (mm/dd/yy)
3264-R7U	G640T	4GBx1	320G 7200	None	Intel HD	None	None	None	None	Mount	ES52	USB	None	Win8 Pro64	10/23/12
3264-T1U	G645T	4GBx1	500G 5400	DVD±RW	Intel HD	None	None	None	Stand	Mount	ES52	USB	None	Win7 Pro64	10/23/12
3264-T8U	G645T	2GBx1	500G 5400	None	Intel HD	None	None	None	Stand	None	ES52	USB	None	Win7 Pro64	10/23/12
3264-AEU	G645T	4GBx1	500G 7200	None	Intel HD	None	Intel 105	Serial	None	Mount	ES52	USB	None	Win7 Pro64	12/25/12
3264-V2U	G2020T	4GBx1	500G 5400	None	Intel HD	None	Intel 105	None	Stand	None	ES52	USB	None	Win7 Pro64	01/22/13
3264-V3U	G1610T	4GBx1	500G 5400	None	Intel HD	None	Intel 105	None	Stand	None	ES52	USB	None	Win7 Pro64	01/22/13
3264-YQU	G2020T	4GBx1	500G 7200	None	Intel HD	None	Intel 105	None	None	Mount	ES52	2.4G	None	Win8 Pro64	05/28/13

Positioning	<i>Ultimate security, stability, and manageability for the enterprise</i>										Preloaded operating system				
Processor	<p>Intel® Celeron® G1610T Processor (2 cores / 2 threads, 2.3GHz, 2MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology</p> <p>Intel Pentium® G640T Processor (2 cores / 2 threads, 2.4GHz, 3MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller</p> <p>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</p> <p>Intel Pentium G2020T Processor (2 cores / 2 threads, 2.5GHz, 3MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology</p>										<p><i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit</p> <p><i>Some:</i> Windows 8 Pro 64-bit</p>				
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 DDR3 memory controller</i>										- Windows 7 models				
Graphics	Intel HD Graphics 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® SimpleTap • Adobe® Reader® • 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	<i>Some:</i> 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										<p>Security</p> <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 <p>EPEAT™ Gold rating</p> <p>ENERGY STAR® 5.2-compliant</p> <p>Cisco EnergyWise compatible</p> <p>GREENGUARD® certified</p> <p>RoHS-compliant</p> <p>Supports ThinkVantage Technologies</p> <p>For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet</p>				
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	<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	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo														
Mouse	<i>Some:</i> Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black														
Floor Stand	<i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo														
VESA mount	<i>Some:</i> Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black														
Power supply	<i>Some:</i> System floor stand for vertical orientation														
Machine	<i>Some:</i> Supports VESA 75mm and 100mm mount standard														
	65 watts AC/DC adapter, autosensing, 87% PSU														
	<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 holidays, next business day response time / service upgrades available														

See footnotes for important warranty information
US models announced Oct 23, 2012, Dec 25, 2012, Jan 22, 2013, or May 28, 2013

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(MOSI1-37) June 2013

ThinkCentre M72e Tiny (3267) - GMP - withdrawn

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ⁸	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-A1U	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	<i>Ultimate security, stability, and manageability for the enterprise</i>										
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	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	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	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) 										
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) 											
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											
For compatible accessories, please go to O-M72E sheet;											
For Lenovo service upgrade options, please go to S-TC sheet											
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available										

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

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

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ⁸	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-A2U	G460	2GBx1	8G SSD	None	Intel HD	None	None	Serial	None	None	ES52	G P	Emb 32	07/10/12
3267-A5U	G465	2GBx1	8G SSD	None	Intel HD	None	None	Serial	None	None	ES52	G P	Emb 32	01/08/13
3267-A6U	G465	2GBx1	8G SSD	None	Intel HD	None	Intel 105	Serial	None	None	ES52	G P	Emb 32	03/12/13
3267-A7U	G470	2GBx1	8G SSD	None	Intel HD	None	Intel 105	Serial	None	None	ES52	G P	Emb 32	07/09/13
3267-A8U	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>										
Processor	<p>Intel® Celeron® G460 Processor (1 core / 2 threads, 1.8GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller</p> <p>Intel Celeron G465 Processor (1 core / 2 threads, 1.9GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller</p> <p>Intel Celeron G470 Processor (1 core / 2 threads, 2.0GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller</p> <p>Processor in LGA1155 socket</p>										
Implementation											
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>										
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) 										
	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 										
	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										
	GREENGUARD® certified										
	RoHS-compliant										
	Supports ThinkVantage Technologies										
	For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet										
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available										

See footnotes for important warranty information

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

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

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)	Preload	Ann date (mm/dd/yy)
3267-A3U	i5-3470T	4GBx1 1600MHz	320G 5400	DVD±RW	HD 2500	None	None	None	Mount	ES52	G P	Win8 Pro64	10/23/12
3267-A4U	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	<i>Ultimate security, stability, and manageability for the enterprise</i>										
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™, 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	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	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) 										
	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"> ● 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										
	For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet										
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available										

See footnotes for important warranty information
US models announced October 23, 2012

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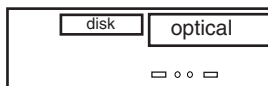
ThinkCentre M72e Small (3598) - withdrawn

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)
3598-D4U	3x2	G630	4GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	None	Stand	None	None	Pro 64	06/05/12
3598-C4U	3x2	G850	4GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	None	Stand	None	None	Pro 64	06/05/12
3598-A7U	3x2	i3-2120	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2000	None	Stand	None	None	Pro 64	06/05/12
3598-F3U	3x2	G630	2GBx1 1600MHz	250G 7200	DVD±RW	Intel HD	None	Stand	None	None	Pro 64	07/10/12

●3-year limited warranty

Positioning	<i>Essential business features, exceptional value</i>								Preloaded operating system			
Processor	Intel® Pentium® G630 Processor (2 cores / 2 threads, 2.7GHz, 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								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; <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>											
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, 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 								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 • <i>Chassis intrusion switch on selected model(s)</i> 			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk								Cisco EnergyWise compatible RoHS-compliant			
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								Supports ThinkVantage Technologies			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available								For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet			



See footnotes for important warranty information
 US models announced June 5 or July 10, 2012

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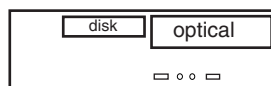
ThinkCentre M72e Small (3598) - II - withdrawn

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)
3598-A5U	3x2	i5-3550	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	None	Stand	None	None	Pro 64	06/05/12
3598-E3U	3x2	i5-3570	4GBx1 1600MHz	250G 7200	DVD±RW	HD 2500	None	Stand	None	None	Pro 32	06/05/12

●3-year limited warranty

Positioning	<i>Essential business features, exceptional value</i>							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 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							Some: Genuine Windows® 7 Professional 32 Some: Genuine Windows 7 Professional 64				
Implementation	Processor in LGA1155 socket							Ready to install applications (only some listed)				
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 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 DVI-D, supports dual independent display; <i>Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz</i>							Preloaded applications (only some listed)				
Disk	SATA 3.0Gb/s 7200 rpm							<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 Simple Tap ● 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, 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 [†]	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, 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 							Security				
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk							<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) 				
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							Cisco EnergyWise compatible RoHS-compliant Supports ThinkVantage Technologies				
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available							For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet				



See footnotes for important warranty information
 US models announced June 5, 2012

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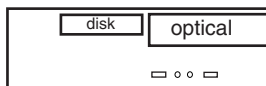
ThinkCentre M72e Small (3598) - Windows 8 - withdrawn

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	Preload	Ann date (mm/dd/yy)
3598-F9U	3x2	G870	2GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	None	Stand	None	None	Win8 Pro64 10/23/12
3598-G9U	3x2	G640	4GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	None	Stand	None	None	Win7 Pro64 10/23/12
3598-H1U	3x2	G870	4GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	None	Stand	None	None	Win7 Pro64 10/23/12
3598-H2U	3x2	G640	2GBx1 1600MHz	250G 7200	DVD±RW	Intel HD	None	Stand	None	None	Win7 Pro64 10/23/12
3598-H3U	3x2	i5-3570	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	None	Stand	None	None	Win7 Pro64 10/23/12
3598-K2U	3x2	G2120	4GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	None	Stand	None	None	Win7 Pro64 12/04/12
3598-PEU	3x2	i3-3220	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	None	Stand	None	None	Win7 Pro64 06/25/13

●3-year limited warranty

Positioning	<i>Essential business features, exceptional value</i>		<p>Processor</p> <p>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</p> <p>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</p> <p>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</p> <p>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, Virtualization Technology</p> <p>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</p> <p>Processor in LGA1155 socket</p>	<p>Preloaded operating system</p> <p><i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit</p> <p><i>Some:</i> Windows 8 Pro 64-bit</p> <p>Preloaded applications (only some listed)</p> <p>- Windows 7 models</p> <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) <p>- Windows 8 models</p> <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) <p>- All models</p> <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 1066MHz or 1333MHz DDR3 memory controller</i>			
Graphics	Intel HD Graphics or Intel HD Graphics 2500 in processor, uses main memory, HDCP, 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, 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			
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 holidays, next business day response time / service upgrades available			



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


For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet

ThinkCentre M72e Small (3660) - ES 5.2 - withdrawn

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	SATA optical	Graphics	Chassis intr switch	Floor stand	ENERGY STAR 5.2	Global	Win7 preload	Ann date (mm/dd/yy)
3660-B6U	3x2	i3-2120	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2000	None	Stand	ES52	None	Pro 64	06/05/12

●3-year limited warranty

Positioning	<i>Essential business features, exceptional value</i>											
Processor	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											
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 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	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											
												
	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) 											
	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											
	For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet											
Limited Warranty	3-years, limited onsite service. 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available											

See footnotes for important warranty information
US model(s) announced June 5, 2012


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ThinkCentre M72e Small (3660) - ES 5.2 - II - withdrawn

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-C1U	3x2	i5-3470	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	None	Stand	ES52	None	Pro 32	06/05/12

●3-year limited warranty

Positioning	<i>Essential business features, exceptional value</i>							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 32				
Implementation	Processor in LGA1155 socket							Ready to install applications (only some listed)				
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 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 DVI-D, supports dual independent display; <i>Maximum resolution: 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz</i>							Preloaded applications (only some listed)				
Disk	SATA 3.0Gb/s 7200 rpm							<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) 				
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 [†]	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 							Security				
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk							<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) 				
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							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 holidays, next business day response time / service upgrades available							For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet				

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

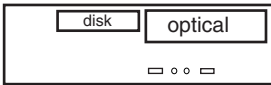
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ThinkCentre M72e Small (3660) - ES 5.2 (Win 8) - withdrawn

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	Preload	Ann date (mm/dd/yy)
3660-D3U	3x2	G645	2GBx1 1600MHz	250G 7200	DVD±RW	Intel HD	None	Stand	ES52	None	Win8 Pro64	10/23/12
3660-D4U	3x2	G870	4GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	None	Stand	ES52	None	Win8 Pro64	10/23/12
3660-E2U	3x2	i3-2130	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2000	None	Stand	ES52	None	Win7 Pro64	10/23/12
3660-E3U	3x2	G2020	4GBx1 1600MHz	500G 7200	DVD±RW	Intel HD	None	Stand	ES52	None	Win7 Pro64	01/22/13

•3-year limited warranty

Positioning	<i>Essential business features, exceptional value</i>								Preloaded operating system			
Processor	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 G2020 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache) , integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Pentium G870 Processor (2 cores / 2 threads, 3.1GHz, 3MB cache) , integrated Intel HD Graphics, 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								Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Some: Windows 8 Pro 64-bit			
Implementation									Preloaded applications (only some listed)			
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets; System automatically clocks down for processors with 1066MHz or 1333MHz DDR3 memory controller								- 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) 			
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>								- 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) 			
Disk	SATA 3.0Gb/s 7200 rpm								- All models			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive								<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™ 			
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 [†]	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								Security			
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo								<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) 			
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 holidays, next business day response time / service upgrades available								EPEAT™ Gold rating ENERGY STAR® 5.2-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet			

See footnotes for important warranty information
 US models announced October 23, 2012 or January 22, 2013

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 (MOSI1-26) February 2013

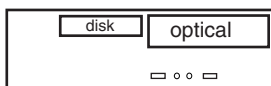
ThinkCentre M72e Small (3660) - ES 5.2 (Win 8) - II - withdrawn

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	Preload	Ann date (mm/dd/yy)
3660-D5U	3x2	i3-3220	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	None	Stand	ES52	None	Win8 Pro64	10/23/12
3660-D6U	3x2	i3-3240	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	None	Stand	ES52	None	Win8 Pro64	10/23/12
3660-D7U	3x2	i5-3470	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	None	Stand	ES52	None	Win8 Pro64	10/23/12
3660-D8U	3x2	i5-3570	4GBx1 1600MHz	1TB 7200	DVD±RW	HD 2500	None	Stand	ES52	None	Win8 Pro64	10/23/12
3660-D9U	3x2	i7-3770	4GBx1 1600MHz	1TB 7200	DVD±RW	HD 7450	None	Stand	ES52	None	Win8 Pro64	10/23/12

●3-year limited warranty

Positioning	<i>Essential business features, exceptional value</i>										
Processor	<p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>Processor in LGA1155 socket</p>										
Implementation	Processor in LGA1155 socket										
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets										
Graphics	<p><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</p> <p><i>Some:</i> 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</p>										
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	<p>Bay 1: 5.25", 1.6" high, access, std optical</p> <p>Bay 2: 3.5", 1" high, no access, std disk</p>										
Slot	<p>Slot 1: Low Profile, PCI Express® 2.0 x16 (40w max)</p> <p>Slot 2: Low Profile, PCIe 2.0 x1</p> <p>Slot 3: Low Profile, PCIe 2.0 x1</p>										
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available										
	<p>Preloaded operating system</p> <p>Windows® 8 Pro 64-bit</p> <p>Preloaded applications (only some listed)</p> <ul style="list-style-type: none"> ● ThinkVantage® System Update ● View Management Utility ● Lenovo® Support ● 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) 										
	<p>Security</p> <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) 										
	<p>EPEAT™ Gold rating</p> <p>ENERGY STAR® 5.2-compliant</p> <p>Cisco EnergyWise compatible</p> <p>GREENGUARD® certified</p> <p>RoHS-compliant</p>										
	Supports ThinkVantage Technologies										
	For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet										




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

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-A1U	3x2	i5-3550	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	Switch	Stand	ES52	G P	Pro 64	06/05/12
3664-A2U	3x2	i5-3470	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	None	Stand	ES52	G P	Pro 64	06/19/12
3664-A4U	3x2	i3-3220	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	Switch	Stand	ES52	G P	Pro 64	08/21/12
3664-A6U	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	<i>Essential business features, exceptional value</i>								Preloaded operating system			
Processor	<p>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</p> <p>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</p> <p>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</p> <p>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</p>								<p>Genuine Windows® 7 Professional 64</p> <p>Ready to install applications (only some listed)</p> <ul style="list-style-type: none"> • Rescue and Recovery™ • Password Manager <p>Preloaded applications (only some listed)</p> <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 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 [†]	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								Security			
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo								<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 • <i>Chassis intrusion switch on selected model(s)</i> 			
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								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 holidays, next business day response time / service upgrades available								For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet			

See footnotes for important warranty information

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

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(MOS11-11) June 2013

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

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-A3U	3x2	i5-3470	4GBx1 1600MHz	500G 7200	DVD±RW	HD 2500	Switch	Stand	ES52	G P	Win8 Pro64	10/23/12
3664-A5U	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	<i>Essential business features, exceptional value</i>										
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	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										
											
	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 • 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										
	For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet										
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available										

See footnotes for important warranty information
US models announced October 23, 2012

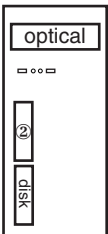
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(MOSI1-28) October 2012

ThinkCentre M72e Tower (3597) - withdrawn

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)
3597-A2U	3x3	G630	2GBx1 1600MHz	250G 7200	Bay	DVD±RW	Intel HD	None	None	None	Pro 32	06/05/12
3597-C4U	3x3	i3-2120	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2000	None	None	None	Pro 64	06/05/12
3597-C5U	3x3	G850	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	Intel HD	None	None	None	Pro 64	06/05/12
3597-E4U	3x3	G630	2GBx1 1600MHz	250G 7200	Bay	DVD±RW	Intel HD	None	None	None	Pro 64	07/10/12

●3-year limited warranty

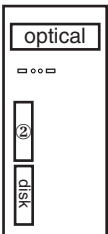
Positioning Processor	<p><i>Essential business features, exceptional value</i></p> <p>Intel® Pentium® G630 Processor (2 cores / 2 threads, 2.7GHz, 3MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller, Virtualization Technology</p> <p>Intel Pentium G850 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology</p> <p>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</p> <p>Processor in LGA1155 socket</p>							<p>Preloaded operating system</p> <p><i>Some:</i> Genuine Windows® 7 Professional 32</p> <p><i>Some:</i> Genuine Windows 7 Professional 64</p> <p>Ready to install applications (only some listed)</p> <ul style="list-style-type: none"> ● Rescue and Recovery™ ● Password Manager <p>Preloaded applications (only some listed)</p> <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	<p>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></p>											
Graphics	<p>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></p>											
Disk	<p>SATA 3.0Gb/s 7200 rpm</p>											
Optical	<p>Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive</p>											
SATA controller	<p>Serial ATA, SATA 3.0Gb/s, integrated in chipset</p>											
Onboard SATA	<p>Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar</p>											
eSATA port	<p>None</p>											
Media reader	<p>None</p>											
Chipset	<p>Intel H61 Express Chipset</p>											
Front ports	<p>Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)</p>											
Rear ports	<p>Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DVI-D</p>											
Rear audio ports	<p>Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)</p>											
Internal connector	<p>Two USB 2.0 planar conn (1 used; one open for additional USB devices)</p>											
Audio	<p>High Definition (HD) Audio, Realtek® ALC662 codec</p>											
PCIe WLAN ⁴	<p>None</p>											
Bluetooth	<p>None</p>											
Speaker	<p>Internal speaker for business audio</p>											
IEEE 1394	<p>None</p>											
Ethernet	<p>Gigabit ethernet port, Realtek RTL8111E, Wake on LAN®</p>											
Intel AMT	<p>None</p>											
Modem	<p>None</p>											
Security chip	<p>None</p>											
Keyboard	<p>Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo</p>											
Mouse	<p>Enhanced Optical USB Mouse, black, Lenovo logo</p>											
Power supply	<p>280 watts with variable speed fan, manual switch</p>											
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	<p>Bay 1: 5.25", 1.6" high, access, std optical</p> <p>Bay 2: 3.5", 1" high, no access, opt disk</p> <p>Bay 3: 3.5", 1" high, no access, std disk</p>											
Slot	<p>Slot 1: half-length, full-height, PCI Express® 2.0 x16 (60w max)</p> <p>Slot 2: half-length, full-height, PCIe 2.0 x1</p> <p>Slot 3: half-length, full-height, PCIe 2.0 x1</p>											
Limited Warranty	<p>3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available</p>							<p>Security</p> <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) <p>Cisco EnergyWise compatible RoHS-compliant</p> <p>Supports ThinkVantage Technologies</p> <p>For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet</p>				

ThinkCentre M72e Tower (3597) - II - withdrawn

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)
3597-D4U	3x3	i5-3570	4GBx1 1600MHz	250G 7200	Bay	DVD±RW	HD 2500	None	None	None	Pro 32	06/05/12
3597-C3U	3x3	i5-3550	4GBx2 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	None	None	None	Pro 64	06/05/12
3597-E3U	3x3	i5-3470	2GBx2 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	None	None	None	Pro 64	07/10/12
3597-E2U	3x3	i5-3470	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	None	None	None	Pro 64	07/10/12
3597-E9U	3x3	i3-3220	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	None	None	None	Pro 64	09/04/12

●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		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	
Implementation	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets											
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 eSATA port	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar											
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 [†]	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, 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 holidays, next business day response time / service upgrades available											
Preloaded operating system <i>Some:</i> Genuine Windows® 7 Professional 32 <i>Some:</i> 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) 												
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												
For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet												

See footnotes for important warranty information
 US models announced June 5, July 10, or September 4, 2012

ThinkCentre M72e Tower (3597) - Windows 8 - withdrawn

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	Preload	Ann date (mm/dd/yy)
3597-F4U	3x3	i3-2130	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2000	None	None	None	Win7 Pro64	10/23/12
3597-F5U	3x3	i5-3570	4GBx2 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	None	None	None	Win7 Pro64	10/23/12
3597-F6U	3x3	G870	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	Intel HD	None	None	None	Win7 Pro64	10/23/12
3597-F7U	3x3	i5-3470	2GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	None	None	None	Win7 Pro64	10/23/12
3597-F8U	3x3	G640	2GBx1 1600MHz	250G 7200	Bay	DVD±RW	Intel HD	None	None	None	Win7 Pro64	10/23/12
3597-F9U	3x3	i5-3470	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	None	None	None	Win7 Pro64	10/23/12
3597-G1U	3x3	i3-3220	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	None	None	None	Win7 Pro64	10/23/12
3597-G2U	3x3	G2120	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	Intel HD	None	None	None	Win7 Pro64	12/04/12

Positioning Processor	<p><i>Essential business features, exceptional value</i></p> <p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>Processor in LGA1155 socket</p>	<p>Preloaded operating system</p> <p>Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit</p> <p>Ready to install applications (only some listed)</p> <ul style="list-style-type: none"> • Rescue and Recovery™ • Password Manager <p>Preloaded applications (only some listed)</p> <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, Intel HD Graphics 2000, or Intel HD Graphics 2500 in processor, uses main memory, HDCP, 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 [†]	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	<p>Bay 1: 5.25", 1.6" high, access, std optical</p> <p>Bay 2: 3.5", 1" high, no access, opt disk</p> <p>Bay 3: 3.5", 1" high, no access, std disk</p>	
Slot	<p>Slot 1: half-length, full-height, PCI Express® 2.0 x16 (60w max)</p> <p>Slot 2: half-length, full-height, PCIe 2.0 x1</p> <p>Slot 3: half-length, full-height, PCIe 2.0 x1</p>	
Limited Warranty	3-years, limited onsite service. 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available	<p>Security</p> <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) <p>Cisco EnergyWise compatible RoHS-compliant</p> <p>Supports ThinkVantage Technologies</p> <p>For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet</p>

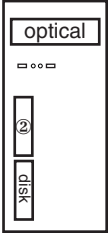
See footnotes for important warranty information
US models announced October 23 or December 4, 2012

ThinkCentre M72e Tower (3655) - ES 5.2 - withdrawn

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-B6U	3x3	i3-2120	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2000	None	ES52	None	Pro 64	06/05/12
3655-D3U	3x3	G860	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	Intel HD	None	ES52	None	Pro 64	07/10/12

●3-year limited warranty

Positioning Processor	<i>Essential business features, exceptional value</i> Intel® Pentium® G860 Processor (2 cores / 2 threads, 3.0GHz, 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) ● Rescue and Recovery™ ● Password Manager					
Implementation	Processor in LGA1155 socket							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)					
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	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 holidays, next business day response time / 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					
								For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet					

See footnotes for important warranty information
US models announced June 5 or July 10, 2012

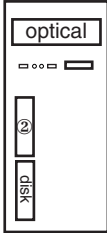
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ThinkCentre M72e Tower (3655) - ES 5.2 - II - withdrawn

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)
3655-C1U	3x3	i5-3470	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	None	None	ES52	None	Pro 32	06/05/12
3655-D2U	3x3	i5-3470	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	None	None	ES52	None	Pro 64	07/10/12
3655-F2U	3x4	i7-3770	4GBx2 1600MHz	1TB 7200	Bay	DVD±RW	HD 4000	Media	Switch	ES52	None	Pro 64	11/06/12

•3-year limited warranty

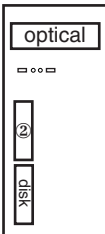
Positioning	<i>Essential business features, exceptional value</i>		<p>Preloaded operating system</p> <p><i>Some:</i> Genuine Windows® 7 Professional 32 <i>Some:</i> Genuine Windows 7 Professional 64</p> <p>Ready to install applications (only some listed)</p> <ul style="list-style-type: none"> Rescue and Recovery™ Password Manager <p>Preloaded applications (only some listed)</p> <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™ 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	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		
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: 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 eSATA port	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar		
Media reader	None		
Chipset	Some: 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 [†]	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, 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	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		
	<p>Security</p> <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) <p>EPEAT™ Gold rating ENERGY STAR® 5.2-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant</p> <p>Supports ThinkVantage Technologies</p> <p>For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet</p>		

ThinkCentre M72e Tower (3655) - ES 5.2 (Win 8) - withdrawn

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	Preload	Ann date (mm/dd/yy)
3655-D8U	3x3	G645	2GBx1 1600MHz	250G 7200	Bay	DVD±RW	Intel HD	None	ES52	None	Win8 Pro64	10/23/12
3655-D9U	3x3	G870	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	Intel HD	None	ES52	None	Win8 Pro64	10/23/12
3655-E8U	3x3	i3-2130	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2000	None	ES52	None	Win7 Pro64	10/23/12
3655-F1U	3x3	G870	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	Intel HD	None	ES52	None	Win7 Pro64	10/23/12
3655-F3U	3x3	G2020	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	Intel HD	None	ES52	None	Win7 Pro64	01/22/13

●3-year limited warranty

Positioning Processor	<p><i>Essential business features, exceptional value</i></p> <p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>Processor in LGA1155 socket</p>							<p>Preloaded operating system</p> <p>Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit</p> <p>Some: Windows 8 Pro 64-bit</p> <p>Preloaded applications (only some listed)</p> <p>- Windows 7 models</p> <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) <p>- Windows 8 models</p> <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) <p>- All models</p> <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 1066MHz or 1333MHz DDR3 memory controller</i>												
Graphics	Intel HD Graphics or Intel HD Graphics 2000 in processor, uses main memory, HDCP, 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							<p>Security</p> <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 • <i>Chassis intrusion switch on selected model(s)</i> 					
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							<p>EPEAT™ Gold rating</p> <p>ENERGY STAR® 5.2-compliant</p> <p>Cisco EnergyWise compatible</p> <p>GREENGUARD® certified</p> <p>RoHS-compliant</p> <p>Supports ThinkVantage Technologies</p> <p>For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet</p>					
Limited Warranty	<p>3-years, limited onsite service. 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available</p>												

See footnotes for important warranty information
US models announced October 23, 2012 or January 22, 2013

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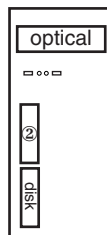
ThinkCentre M72e Tower (3655) - ES 5.2 (Win 8) - II - withdrawn

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	Preload	Ann date (mm/dd/yy)
3655-E5U	3x3	i7-3770	4GBx1 1600MHz	1TB 7200	Bay	DVD±RW	HD 7450	None	ES52	None	Win8 Pro64	10/23/12
3655-E1U	3x3	i3-3220	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	None	ES52	None	Win8 Pro64	10/23/12
3655-E2U	3x3	i3-3240	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	None	ES52	None	Win8 Pro64	10/23/12
3655-E3U	3x3	i5-3470	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	None	ES52	None	Win8 Pro64	10/23/12
3655-E4U	3x3	i5-3570	4GBx1 1600MHz	1TB 7200	Bay	DVD±RW	HD 2500	None	ES52	None	Win8 Pro64	10/23/12
3655-E9U	3x3	i5-3470	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	None	ES52	None	Win7 Pro64	10/23/12

•3-year limited warranty

Positioning	<i>Essential business features, exceptional value</i>		<p>Preloaded operating system</p> <p><i>Some:</i> Windows[®] 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit</p> <p><i>Some:</i> Windows 8 Pro 64-bit</p> <p>Preloaded applications (only some listed)</p> <p>- Windows 7 models</p> <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) <p>- Windows 8 models</p> <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) <p>- All models</p> <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[™] <p>Security</p> <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) <p>EPEAT[™] Gold rating</p> <p>ENERGY STAR[®] 5.2-compliant</p> <p>Cisco EnergyWise compatible</p> <p>GREENGUARD[®] certified</p> <p>RoHS-compliant</p> <p>Supports ThinkVantage Technologies</p> <p>For compatible accessories, please go to O-M72E sheet;</p> <p>For Lenovo service upgrade options, please go to S-TC sheet</p>
Processor	<p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p>		
Implementation	Processor in LGA1155 socket		
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets		
Graphics	<p><i>Some:</i> Intel HD Graphics 2500 in processor, uses main memory, DirectX[®] 11 one VGA, one DVI-D, supports dual independent display;</p> <p><i>Maximum resolution:</i> 2560x1600 (VGA)@60Hz; 1920x1200 (DVI-D)@60Hz</p> <p><i>Some:</i> 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;</p> <p><i>Maximum resolution:</i> 2560x1600 (DisplayPort, DVI-I)@60Hz;</p> <p>works along with Intel HD Graphics to support up to four independent monitors</p>		
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 [†]	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, autosenesing, 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	<p>Bay 1: 5.25", 1.6" high, access, std optical</p> <p>Bay 2: 3.5", 1" high, no access, opt disk</p> <p>Bay 3: 3.5", 1" high, no access, std disk</p>		
Slot	<p>Slot 1: half-length, full-height, PCI Express[®] 2.0 x16 (60w max)</p> <p>Slot 2: half-length, full-height, PCIe 2.0 x1</p> <p>Slot 3: half-length, full-height, PCIe 2.0 x1</p>		
Limited Warranty	<p>3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available</p>		



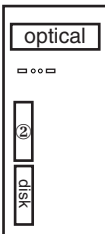
See footnotes for important warranty information
US models announced October 23, 2012

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

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 Global (G) STAR 5.2	GMP (P)	Win7 preload	Ann date (mm/dd/yy)
3662-A1U	3x3	i5-3550	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	Switch	ES52	G P	Pro 64	06/05/12
3662-A2U	3x3	i5-3470	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	None	ES52	G P	Pro 64	06/19/12
3662-A4U	3x3	i3-3220	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	Switch	ES52	G P	Pro 64	08/21/12
3662-A6U	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	<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 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) • 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)
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 eSATA port	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar	
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 [†]	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 holidays, next business day response time / service upgrades available	Security <ul style="list-style-type: none"> • One lock to secure both cover and entire system to fixed object: - Padlock loop (in rear for opt padlock) - Security slot (in rear for optional Kensington® MicroSaver® cable) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard and mouse • Serial port I/O control • Individual USB port disablement • Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet

See footnotes for important warranty information

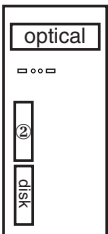
US models announced June 5, 2012, June 19, 2012, August 21, 2012, or May 28, 2013

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(MOSI1-18) June 2013

ThinkCentre M72e Tower (3662) - ES 5.2 (GMP) - Win 8 - withdrawn Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	2nd Disk Bay	SATA optical	Graphics	Chassis intr switch	ENERGY STAR 5.2	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
3662-A3U	3x3	i5-3470	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	HD 2500	Switch	ES52	G P	Win8 Pro64	10/23/12
3662-A5U	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	<i>Essential business features, exceptional value</i>							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	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets							Preloaded applications (only some listed)				
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>							- Windows 7 models				
Disk	SATA 3.0Gb/s 7200 rpm							<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) 				
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive							- Windows 8 models				
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset							<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) 				
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 3.0Gb/s connectors on planar							- All models				
eSATA port	None							<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™ 				
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, autosenesing, 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											
												
								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				
								For compatible accessories, please go to O-M72E sheet; For Lenovo service upgrade options, please go to S-TC sheet				
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available											

Memory

Tiny 4004/3264/3267 use notebook memory:

2GB PC3-12800 DDR3 SODIMM	0A65722	ann 06/05/12
4GB PC3-12800 DDR3 SODIMM	0A65723	ann 06/05/12
8GB PC3-12800 DDR3 SODIMM	0A65724	ann 06/05/12

Small 0967/3598/3660/3664, and

Tower 0958/3675/3597/3655/3662 use desktop memory:

2GB PC3-12800 DDR3 UDIMM	0A65728	ann 06/05/12
4GB PC3-12800 DDR3 UDIMM	0A65729	ann 06/05/12
8GB PC3-12800 DDR3 UDIMM	0A65730	ann 06/05/12

More information at

www.lenovo.com/support/desktopmemorycompatibility

Optical

Small and Tower support:

DVD-ROM DL SATA 1.5Gb/s 16X-48X Max ⁴	41N5618	ann 09/26/06
Lenovo® Super Multi-Burner SATA Drive	0A65618	ann 08/23/11

Storage and removable storage

Tiny support:

320GB 7200rpm SATA 3.0Gb/s 7mm 4K HDD	0A65635	ann 06/05/12
500GB 7200rpm SATA 3.0Gb/s 7mm 4K HDD	0A65632	ann 06/05/12

Small and Tower support:

500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990	ann 11/06/07
1TB SATA 3.0Gb/s Disk (7200 rpm)	45J7918	ann 08/19/08
180GB Solid State Drive	0B47308	ann 01/29/13

All:

USB 2.0 Portable 500GB Hard Disk	45K1690	ann 05/26/09
USB 3.0 Secure 500GB Hard Drive	0A65619	ann 11/29/11
USB 3.0 Secure 750GB Hard Drive	0A65616	ann 11/29/11
USB 3.0 Secure 1TB Hard Drive	0A65621	ann 08/28/12
Slim USB Portable DVD Burner	0A33988	ann 06/14/11

Graphics

Small 0967/3598/3660/3664 support Low Profile:

NVIDIA NVS 510 2GB Graphics Card by Lenovo ⁶⁷	0B47077	ann 01/29/13
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Tower 0958/3675/3597/3655/3662 support 60 watts max:

NVIDIA NVS 510 2GB Graphics Card by Lenovo ⁶⁷	0B47077	ann 01/29/13
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⁶⁷ Simultaneously use the graphic card monitor ports along with the systems integrated monitor ports when Multi-Monitor Support is enabled in BIOS Setup.

More information at www.lenovo.com/support/graphiccards

Keyboard

Preferred Pro USB Keyboard	73P5220	ann 06/21/05
Enhanced Performance USB Keyboard	73P2620	ann 03/23/04
UltraSlim Plus Wireless Keyboard and Mouse ⁵²	0A34032	ann 04/05/11
ThinkPad® USB Keyboard with TrackPoint	55Y9003	ann 08/18/09
Lenovo USB Fingerprint Keyboard	73P4730	ann 02/22/05
Lenovo USB Smartcard Keyboard	51J0155	ann 03/24/09

⁵² Wireless via 2.4GHz technology using a micro-size USB receiver.

More information at www.lenovo.com/support/keyboards

Mouse

Lenovo Optical Mouse (USB)	06P4069	ann 05/21/03
Lenovo ScrollPoint® Mouse(USB, Optical)	31P7405	ann 08/27/02
ThinkPad Travel Mouse (USB, Optical)	31P7410	ann 06/04/02
Lenovo Laser Mouse (USB)	41U3074	ann 01/23/07
Lenovo Wireless Laser Mouse ⁵²	0A36188	ann 12/20/11
ThinkPad USB Laser Mouse	57Y4635	ann 12/15/09

More information at www.lenovo.com/support/mice

Modem

USB 2.0 Lenovo Modem	43R1814	ann 02/26/08
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Multimedia

ThinkPad In-Ear Headphones with mic ⁶⁰	57Y4488	ann 01/07/10
Lenovo Mini Speakers M220	55Y2033	ann 01/07/10
Lenovo Speakers M0520 (black)	57Y6360	ann 02/08/11
Lenovo Speakers M0520 (red)	57Y6361	ann 02/08/11
Lenovo Headset P550	55Y2065	
Lenovo Headset P950 (black)	57Y6605	ann 02/08/11

⁶⁰ Has a 1.2 meter (3.9-foot) cable. Best when systems are in close proximity. Example: SFF placed on a desk.

Security

Kensington® MicroSaver® Cable Lock ⁵⁶	73P2582	ann 12/29/03
Kensington Twin Head Cable Lock ⁵⁶	45K1620	ann 09/30/08
Lenovo Security Cable Lock ⁵⁶	57Y4303	ann 08/24/10
USB Gemplus GemPC Smart Card Reader	41N3040	ann 02/21/06

⁵⁶ Attaching to any form factor not only secures the ThinkCentre to the work area, but it also prevents users from opening the chassis itself.

Under Desk Mount

Tiny support:

ThinkCentre Tiny Under Desk Mount Bracket	0B47097	ann 08/07/12
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Monitors

ThinkVision LT1952p Wide 19" (VGA, DP, DVI-D) ⁶⁹	2448MB6	ann 09/13/11
ThinkVision L2251x Wide 22" (VGA, DP)	2578HB6	ann 10/20/09
ThinkVision LT2323p Wide 23" (VGA, DP, DVI-D) ⁶⁹	3024HC1	ann 05/01/12

⁶⁹ DisplayPort cable is not included; use optional DisplayPort to DisplayPort Monitor Cable (0A36537).

More information at www.lenovo.com/support/monitors

Monitor Accessories⁴⁶

Tiny support:

DisplayPort™ to Single-link DVI-D Cable	45J7915	ann 08/05/08
DisplayPort to VGA Monitor Cable	57Y4393	ann 08/04/09
DisplayPort to DisplayPort Monitor Cable	0A36537	ann 09/13/11

Small and Tower support:

Lenovo DVI to DVI Monitor Cable	0B47071	
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All:

Lenovo USB 3.0 to DVI/VGA Monitor Adapter	0B47072	ann 08/14/12
Lenovo USB Soundbar	0A36190	ann 05/01/12
Kensington MicroSaver Cable Lock ⁵⁶	73P2582	ann 12/29/03
Kensington Twin Head Cable Lock ⁵⁶	45K1620	ann 09/30/08
Lenovo Security Cable Lock ⁵⁶	57Y4303	ann 08/24/10
ThinkCentre Extend Arm	57Y4352	ann 07/06/10

⁴⁶ Compatible on selected Lenovo and ThinkVision monitors.

More information at www.lenovo.com/support/monitoraccessories

For more information on accessories:

www.lenovo.com/accessories

Purchase Lenovo accessories

www.lenovo.com/support/accessories

Product specifications on Lenovo Support

www.lenovo.com/accessoriesguide

Option Compatibility Matrix (OCM) and accessory brochures

www.lenovoquickpick.com

An Options Compatibility Configurator for Lenovo systems