

# THINKCENTRE M93/M93P TECHSPECS



	Mini Tower	Small Form Factor Pro	Tiny		Mini Tower	Small Form Factor Pro	Tiny
Product Name	ThinkCentre M93/M93p			Communication			
Form Factor	Tower/Small Form Factor/Tiny			Network Controller	Integrated 10M/100M/1000M Gigabit Ethernet <sup>5</sup>		
Operating System	Windows® 8			WiFi Card <sup>2</sup>	2*2 802.11 a/b/g/n with vPro Combo (WLAN+BT)		
	Windows® 8 Pro				2*2 802.11 ac (WLAN) <sup>1</sup>		
	Windows® 7 SP1 Home Basic/Premium				2*2 802.11 b/g/n Combo (WLAN+BT)		
	Windows® 7 SP1 Professional				1*1 802.11 b/g/n		
	Windows® 7 SP1 Ultimate			Bays & Connectors			
Chipset	Intel® Q87			Internal Bay	2 x 3.5"	1 x 3.5" 1 x 2.5" <sup>2</sup>	1* 2.5"
Processor	Intel® Core™ i7-4770 (4th generation)		Intel® Core™ i7-4765T (4th generation)	External Bay	2 x 5.25" 1 x 3.5"	1 x 5.25"	N/A
	Intel® Core™ i5-4430/4570/4670 (4th generation)		Intel® Core™ i5-4570T (4th generation)	Slots			
Memory				PCI			
DIMM Slots	4		2	Available Slots	1 x Full Height	1 x Low Profile	N/A
Type	DDR3 (UDIMM)		DDR3 (SODIMM)	PCI Express x1			
Speed	1600 MHZ		1600 MHZ	Available Slots	1 x Full Height	1 x Low Profile	N/A
Module Type Supported	2GB/4GB/8GB		2GB/4GB/8GB	PCI Express x16			
Max Memory	Up to 32GB		Up to 16GB	Available Slots	2 x Full Height <sup>6</sup>	2 x Low Profile <sup>6</sup>	N/A
Graphics				Mini PCI Express x1			
Integrated	Intel® Integrated		Intel® Integrated	Available Slots	N/A		
Discrete <sup>2</sup>	ATI Radeon HD8470		N/A	I/O Ports (Front)			
	ATI Radeon HD8570			USB (Type)	2 x USB 3.0		
	NVIDIA GeForce GT620			Microphone	1		1
	NVIDIA GeForce GT630			Headphone	1		1 (Support Mic function)
	NVIDIA Quadro 410 <sup>1</sup>			I/O Ports (Rear)			
Peripherals				USB (Type)	2 x USB 2.0, 4 x USB 3.0		3 x USB 3.0 1 x USB 2.0 (Optional) <sup>7</sup>
Keyboard	Lenovo® Preferred Pro Full-size Keyboard			Display (Output)	1 x VGA, 2 x DP		1 x VGA, 1 x DP, 1 x DP (Optional) or 1 x HDMI (Optional) <sup>7</sup>
	Lenovo® Preferred Pro Fingerprint Keyboard			PS/2	2 (1 for Keyboard, 1 for Mouse) x Optional		N/A
	Lenovo® Preferred Pro Full-size Keyboard (PS/2) <sup>3</sup>			Serial	1 x Standard, 1 x Optional		1 x Optional <sup>7</sup>
Mouse	USB Optical Wheel Mouse (PS/2) <sup>3</sup>			Parallel	1 x Optional		1 x Optional <sup>8</sup>
	Lenovo Enhanced Optical USB Mouse			LAN (RJ45)	1		
Wireless Input	Lenovo Ultra Slim Plus Wireless Keyboard and Mouse <sup>2</sup>			Audio	3 (Line in/Line out/Mic)		N/A
Card Reader <sup>2</sup>	29-in-1 Card Reader	29-in-1 Card Reader (Slim)	N/A	AC-IN	N/A		1 x 65W adapter AC-IN
Hard Drive				Security			
Supported Types	Serial-ATA			USB Individual Disable	Yes		
Available Drives	3.5" 7200rpm HDD 250GB/500GB/1TB/2TB	3.5" 7200rpm HDD 250GB/500GB/1TB/2TB	2.5" 5400rpm HDD 320GB/500GB/1TB	Physical Security	Cable Lock / Padlock Loop / Chassis Intrusion Switch / Computrace Support		Cable Lock / Chassis Intrusion Switch / Computrace Support
	128GB/180GB SSD	128GB/180GB SSD	128GB/180GB SSD				
	2.5" 320GB OPAL HDD <sup>4</sup>	2.5" 320GB OPAL HDD <sup>4</sup>	2.5" 320GB OPAL HDD <sup>4</sup>	Power Supply			
	2.5" 500GB/8GB Hybrid HDD <sup>4</sup>	2.5" 500GB/8GB Hybrid HDD <sup>4</sup>	2.5" 500GB/8GB Hybrid HDD <sup>4</sup>				
	3.5" 1TB/8GB Hybrid HDD <sup>4</sup>	3.5" 1TB/8GB Hybrid HDD <sup>4</sup>					
		2.5" 5400rpm HDD 320GB/500GB/1TB			450W 92% Single output	240W 92% Single output	65W 87% External Adapter
Optical Drive						280W 85% Single output	240W 85% Single output
Supported Types	Serial-ATA						
Available Drives	DVD-ROM/DVD Recordable		Slim DVD-ROM/DVD Recordable				

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	Mini Tower	Small Form Factor Pro	Tiny		Mini Tower	Small Form Factor Pro	Tiny
<b>Chassis Dimension</b>				<b>Certifications</b>	CC DoC for North America VCCI certification for Japan BSMI certification for Taiwan EU/EFTA CE Mark & DoC UL/CUL TUV-GS IEC60950-1 CB Report/Certificate Saudi Arabia ICCP(SASO) China CCC Mark Hong Kong SAR (CB report) Argentina S-mark Singapore - PSB South Africa – SABS Russia -GOST Mexico-NOM Kazakhstan -GOST-K Belarus-certificate Croatia-certificate Serbia – KVALITET Ukraine – UKrCEPRO Energy Star 5.0/5.2 PEP(Internal Certification) China RoHS EU RoHS EU WEEE Japan J-Moss California RoHS USA Chemical Emission Test New York RoHS Japan Energy Saving		
Height (mm)	365	338	179				
Width (mm)	175	102	34.5				
Depth (mm)	401	375	182				
Weight (kg)	11.2kg	7.8kg	1.3kg				
Volume (Approx.)	25L	13L	1L				
<b>Environment Attributes</b>							
Temperature	Operating: 110°C - 35°C (50F to 95F) Non-operating:-40°C - 60°C (50F to 140F) (with package) Wet Bulb Temperature: 25°C (max) (Operating), 40°C (max) (Non-Operating)						
Relative Humidity	Operating: 20% ~ 80% (non-condensing) Non-Operating: 20% ~ 90% (non-condensing)						
Max Vibration	Operating: 0.27 G at 5 to 500 Hz at 0.5 octave/min,Ramdom Non-Operating: 1.04 G at 2 to 200 Hz at 1 octave/min With Package: 1.04 G at 2 to 200 Hz at 1 octave/min						
Max Shock	Operating: Bottom half-sine pulse with a change in velocity of 37.4 cm/sec (14.7 inches/sec) Non-Operating: 45-G faired square wave with a velocity change of 441 cm/sec (173.7 inches/sec)						
Max Altitude	Operating: -15.2 to 3048 m (-50 to 10,000 ft)						
<b>Preloaded Software</b>							
Windows 7 Preloads	Adobe® Acrobat Reader Cyberlink PowerDVD Cyberlink Create Desktop Power Manager Evernote Intel Small Business Advantage Lenovo Message Center Plus Microsoft® Office 2013 Trial Nitro PDF Norton Internet Security 2013 - 30 days Trial RapidBoot HDD Accelerator Skype™ ThinkVantage® System Update ThinkVantage® Rescue and Recovery® (Ready to Install) ThinkVantage® Password Manager (Ready to Install)						
Windows 8 Preloads	Accuweather Cyberlink PowerDVD Cyberlink Create Desktop Power Manager Evernote Intel Small Business Advantage Lenovo Companion Lenovo Cloud Shield by SugarSync Lenovo Quick Launch Lenovo Support Lenovo Solution Center Nitro Pro 7 Norton Internet Security 2013 - 30 days Trial Password Manager (Web install) PC Device Stage						
<b>Footnote</b>							

Footnote 1: Special Bid only  
 Footnote 2: Optional  
 Footnote 3: Requires I/O Box on Tiny  
 Footnote 4: Special Bid only. Available in Q3 2013.

Footnote 5 : The term "10/100/1000" or "Gigabit" Ethernet indicates compliance with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/s. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.

Footnote 6: One x4 Link  
 Footnote 7: DP/HDMI/USB2.0/Serial shared through one punchout port  
 Footnote 8: Requires USB to Parallel port dongle