

# THINKCENTRE M83 TECHSPECS



	Mini Tower	Small Form Factor Pro		Mini Tower	Small Form Factor Pro
Product Name	ThinkCentre M83		Communication		
Form Factor	Mini Tower/Small Form Factor Pro		Network Controller	Integrated 10M/100M/1000M Gigabit Ethernet <sup>3</sup>	
Operating System	Windows® 8		WiFi Card <sup>2</sup>	2*2 802.11 a/b/g/n 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® Q85		Internal Bay	2 x 3.5"	1 x 3.5" 1 x 2.5" <sup>2</sup>
Processor	Intel® Core™ i7-4770 (4th generation)		External Bay	2 x 5.25" 1 x 3.5"	1 x 5.25"
	Intel® Core™ i5-4430/4570/4670 (4th generation)		Slots		
Memory			PCI		
DIMM Slots	4		Available Slots	N/A	N/A
Type	DDR3 (UDIMM)		PCI Express x1		
Speed	1600 MHZ		Available Slots	1 x Full Height	1 x Low Profile
Module Type Supported	2GB/4GB/8GB		PCI Express x16		
Max Memory	Up to 32GB		Available Slots	2 x Full Height <sup>5</sup>	2 x Low Profile <sup>5</sup>
Graphics			I/O Ports (Front)		
Integrated	Intel® Integrated		USB (Type)	2 x USB 3.0	
Discrete <sup>2</sup>	ATI Radeon HD8470		Microphone	1	
	ATI Radeon HD8570		Headphone	1	
	NVIDIA GeForce GT620		I/O Ports (Rear)		
	NVIDIA GeForce GT630		USB (Type)	4 x USB 2.0, 2 x USB 3.0	
	NVIDIA Quadro 410 <sup>1</sup>		Display (Output)	1 x VGA, 2 x DP	
Peripherals			PS/2	2 (1 for Keyboard, 1 for Mouse) x Optional	
Keyboard	Lenovo® Preferred Pro Full-size Keyboard		Serial	1 x Standard, 1 x Optional	
	Lenovo® Preferred Pro Fingerprint Keyboard		Parallel	1 x Optional	
	Lenovo® Preferred Pro Full-size Keyboard (PS/2)		LAN (RJ45)	1	
Mouse	USB Optical Wheel Mouse (PS/2)		Audio	3 (Line in/Line out/Mic)	
	Lenovo Enhanced Optical USB Mouse		AC-IN	N/A	
Wireless Input	Lenovo Ultra Slim Plus Wireless Keyboard and Mouse <sup>2</sup>		Security		
Card Reader <sup>2</sup>	29-in-1 Card Reader	29-in-1 Card Reader (Slim)	USB Individual Disable	Yes	
Hard Drive			Physical Security	Cable Lock / Padlock Loop / Chassis Intrusion Switch / Computrace Support	
Supported Types	Serial-ATA		Power Supply		
Available Drives	3.5" 7200rpm HDD 250GB/500GB/1TB/2TB	3.5" 7200rpm HDD 250GB/500GB/1TB/2TB	Power Supply	450W 92% Single output 280W 85% Single output 280W Standard Single output	
	128GB/180GB SSD	128GB/180GB SSD		240W 92% Single output 240W 85% Single output 240W Standard Single output	
	2.5" 320GB OPAL HDD <sup>4</sup>	2.5" 320GB OPAL 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			
Optical Drive					
Supported Types	Serial-ATA				
Available Drives	DVD-ROM/DVD Recordable				

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	Mini Tower	Small Form Factor Pro		Mini Tower	Small Form Factor Pro
<b>Chassis Dimension</b>			<b>Certifications</b>		
Height (mm)	365	338		CC DoC for North America	
Width (mm)	175	102		VCCI certification for Japan	
Depth (mm)	401	375		BSMI certification for Taiwan	
Weight (kg)	11.2kg	7.8kg		EU/EFTA CE Mark & DoC	
Volume (Approx.)	25L	13L		UL/CUL	
				TUV-GS	
				IEC60950-1 CB Report/Certificate	
<b>Environment Attributes</b>				Saudi Arabia ICCP(SASO)	
Temperature	Operating: 11°C - 35 °C (50F to 95F)			China CCC Mark	
	Non-operating:-40°C - 60°C (50F to 140F) (with package)			Hong Kong SAR (CB report)	
	Wet Bulb Temperature: 25°C (max) (Operating), 40°C (max) (Non-Operating)			Argentina S-mark	
Relative Humidity	Operating: 20% ~ 80% (non-condensing)			Singapore - PSB	
	Non-Operating: 20% ~ 90% (non-condensing)			South Africa – SABS	
Max Vibration	Operating: 0.27 G at 5 to 500 Hz at 0.5 octave/min,Ramdom			Russia -GOST	
	Non-Operating: 1.04 G at 2 to 200 Hz at 1 octave/min			Mexico-NOM	
	With Package: 1.04 G at 2 to 200 Hz at 1 octave/min			Kazakhstan -GOST-K	
Max Shock	Operating: Bottom half-sine pulse with a change in velocity of 37.4 cm/sec (14.7 inches/sec)			Belarus-certificate	
	Non-Operating: 45-G faired square wave with a velocity change of 441 cm/sec (173.7 inches/sec)			Croatia-certificate	
Max Altitude	Operating: -15.2 to 3048 m (-50 to 10,000 ft)			Serbia – KVALITET	
				Ukraine – UKrCEPRO	
<b>Preloaded Software</b>				Energy Star 5.0/5.2	
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)			PEP(Internal Certification)	
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			China RoHS	
				EU RoHS	
				EU WEEE	
				Japan J-Moss	
				California RoHS	
				USA Chemical Emission Test	
				New York RoHS	
				Japan Energy Saving	
<b>Footnote</b>					

Footnote 1: Special Bid only  
Footnote 2: Optional  
Footnote 4: Special Bid only. Available in Q3 2013.

Footnote 3: 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 5: One x4 Link