

# THINKCENTRE M92/M92P TECHSPECS



	Tower	Small Form Factor	Tiny	Hard Drive			
Product Name	ThinkCentre M92/M92p			Supported Types	Serial-ATA		
Form Factor	Tower/Small Form Factor/Tiny			Bus Transfer Rate	600MB/s		
Operating System	Windows® 7 Professional 64bit/32bit (include SP1)			Available Drives	7200rpm HDD 250GB/320GB/500GB/1TB	5400rpm 320GB/500GB/750GB	
	Windows® 7 Home Premium 64bit/32bit (include SP1)				10000rpm HDD 300GB <sup>1</sup>		
	Windows® 7 Home Basic 32bit (include SP1)				128GB SSD	128GB SSD	
	Windows® XP Professional SP3 (Downgrade from Windows 7 Pro 32 bit) <sup>1</sup>				250GB OPAL HDD <sup>1</sup>	250GB OPAL HDD <sup>1</sup>	
	Windows® 7 Starter <sup>1</sup>			Optical Drive			
	Windows® 7 Ultimate 64bit/32bit <sup>1</sup>			Supported Types	Serial-ATA		
Chipset	Intel® Q77			Available Drives	DVD-ROM/DVD Recordable	Slim DVD-ROM/ Slim DVD Recordable	
Processor	Intel® Core™ i7-3770/3770S (3rd generation)		Intel® Core™ i5-3470T (3rd generation)	Communication			
	Intel® Core™ i5-3570/3570S/3550/3550S/3470/3470S (3rd generation)		Intel® Core™ i3-2120T (2nd generation)	Network Controller	Integrated 10M/100M/1000M Gigabit Ethernet <sup>4</sup>		
	Intel® Core™ i3-3240/3220 (3rd generation)		Intel® Pentium™ G630T/G530T (2nd generation)	WiFi Card <sup>3</sup>	YES, 802.11 B/G/N, 802.11 B/G/N Combo, 802.11 A/B/G/N with vPro		
	Intel® Core™ i5-2400 (2nd generation)		Intel® Celeron™ G460 (2nd generation)	Bays & Connectors			
	Intel® Core™ i3-2120/2130 (2nd generation)			3.5" Internal Bay	2 (HDD)	1(HDD)	N/A
	Intel® Pentium™ G630/G850/G860 (2nd generation)			3.5" External Bay	1 (Card Reader)	1 (Card Reader)	N/A
	Intel® Celeron™ G460/G530/G540 (2nd generation)			5.25" External Bay	2 (ODD)	1(ODD)	1 (ODD) <sup>5</sup>
				2.5" Bay	N/A	N/A	1
				HDD Support	2	2 (2nd optional)	2 (2nd optional)
				ODD Support	1		1
			SATA Connectors	3 (2 x SATA III + 1 x SATA II), 1 x eSATA II		1 x SATA III	
			Slots				
			PCI				
			Available Slots	2 x Full Height	2 x Low Profile	N/A	
			Pin Count	120 pins		N/A	
			Bandwidth	133MB/s		N/A	
			Voltage	3.3V		N/A	
Memory				PCI Express x1			
DIMM Slots	4 DIMM		2 SODIMM	Available Slots	1 x Full Height	1 x Low Profile	N/A
Type	DDR3		SODIMM DDR3	Pin Count	36 pins		N/A
Speed <sup>2</sup>	Up to 1600 MHZ		Up to 1600 MHZ	Bandwidth	500MB/s per direction, 1GB/s duplex		N/A
Module Type Supported	2GB/4GB/8GB		SODIMM 2GB/4GB/8GB	Voltage	12V		N/A
Max Memory	up to 32GB		Up to 16GB	PCI Express x16			
Bandwidth	Up to 12.8 GB/s		Up to 12.8 GB/s	Available Slots	1 x Full Height	1 x Low Profile	N/A
Graphics				Pin Count	164 pins		N/A
Integrated	Intel® HD Graphics		Intel® HD Graphics	Bandwidth	8GB/s per direction, 16GB/s duplex		N/A
Discrete <sup>3</sup>	ATI Radeon HD7350 (DVI+DVI)		NA	Voltage	12V		N/A
	ATI Radeon HD7450(DVI+DP)			Mini PCI Express x1			
	NVIDIA NVS300 (DMS59)			Available Slots	N/A		1
				Pin Count	N/A		52 pins
Peripherals				Bandwidth	N/A		2.5Gbps per link
Keyboard	Lenovo® Preferred Pro Full-size Keyboard			Voltage	N/A		3.3V
	Lenovo® Preferred Pro Fingerprint Keyboard			I/O Ports (Front)			
	Lenovo® Preferred Pro Fullsize PS/2 Keyboard			USB (Type)	2 x USB 2.0		2 x USB 3.0
Mouse	USB Optical Wheel Mouse			Microphone	1		
	Lenovo Enhanced Optical USB Mouse			Headphone	1		
Card Reader	YES	Yes (Slim)	N/A	I/O Ports (Rear)			
Speaker	Internal (1.5W) / External 2.0 (4W)		Internal (1.5W)	USB (Type)	2 x USB 2.0, 4 x USB 3.0		2 x USB 3.0, 1x USB 2.0
				Display (Output)	1 x VGA, 1 x DP, 1x Optional DP		1 x VGA, 1 x DP, 1 x Optional DP

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<b>I/O Ports (Rear)</b>	2 (1 for Keyboard, 1 for Mouse) - optional via punch out		N/A	<b>Preloaded Software</b>	ThinkVantage® Password Manager
PS/2	1 standard serial, 1 optional via punch out <sup>6</sup>		Via optional cable		ThinkVantage® System Update (up to 3 years)
Serial	N/A		Via optional cable		Lenovo Message Center Plus / Lenovo Solution Center
Parallel	N/A		Via optional cable		Communication Utility / View Management Utility
LAN (RJ45)	1		1	<b>Certifications</b>	VCCI certification for Japan
AC-IN	NA		1 (65W adapter AC IN)		FCC DoC for North America
<b>Security</b>					
USB Individual Disable	Yes		Yes		DEMKO-GS
Physical Security	Cable Lock/ Padlock Loop/Chassis Intrusion Switch/Computrace Support		Kensington Lock/ Computrace Support		IEC60950-1 CB Report/Certificate
<b>Power Supply</b>					
	450W 92% Single output	240W 92% Single output	65W 87% External Adapter		Argentina S-mark
	280W 85% Single output	240W 85% Single output			BSMI certification for Taiwan
<b>Chassis Dimension</b>					
Height (mm)	365 (14.3 inch)	333 (13.1 inch)	179 (7 inch) <sup>7</sup>		China CCC Mark
Width (mm)	175 (6.9 inch)	97 (3.8 inch)	34.5 (1.35 inch) <sup>7</sup>		China RoHS
Depth (mm)	412 (16.2 inch)	368 (14.5 inch)	182 (7.1 inch) <sup>7</sup>		EU/EFTA CE Mark & DoC
Weight (kg)	9.4kg (20.72 lbs)	6.6kg (14.55 lbs)	1.32 kgs <sup>7</sup>		EU WEEE
Volume (Approx.)	25L	11L	1L		California RoHS
<b>Environment Attributes</b>					
Temperature	Operating: 10°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, Random 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) Non-Operating: -15.2 to 10,668 m (-50 to 35,000 ft)				
<b>Preloaded Software</b>					
	Adobe® Acrobat® Reader®				
	Acrobat® Flash® Player (XP only)				
	Skype™				
	PC-Doctor for WinPE				
	Corel® Burn SE Lenovo Edition				
	Corel® DVD Movie Factory® 7 Lenovo Edition				
	InterVideo WinDVD*				
	Microsoft® Office 2010 Starter				
	Norton Internet Security 2012 with 30 days of virus definitions				
	Microsoft® Live				
	ThinkVantage® Rescue and Recovery®				
	ThinkVantage® Product Recovery				
	ThinkVantage® Client Security Solution (web delivery only)				
<b>Footnote</b>					
	Footnote 1 : SpB only.	Footnote 2 : Speed varied by processor.	Footnote 3 : Optional.	Footnote 4 : 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 : Optional Slim ODD Box for virtual USFF look.
					Footnote 6 : Optional part via punching out for Tower, PCI slot bracket for SF.
					Footnote 7 : W/O Vesa mount bracket.

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