

# 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
	Windows® 7 Home Premium 64bit/32bit (include SP1)				10000rpm HDD 300GB <sup>1</sup>		320GB/500GB/750GB
	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>						
	Windows® 7 Ultimate 64bit/32bit <sup>1</sup>			Optical Drive			
Chipset	Intel® Q77			Supported Types	Serial-ATA		
Processor	Intel® Core™ i7-3770/3770S (3rd generation)		Intel® Core™ i5-3470T (3rd generation)	Available Drives	DVD-ROM/DVD Recordable		Slim DVD-ROM/ Slim DVD Recordable
	Intel® Core™ i5-3570/3570S/ 3550/3550S/3470/3470S (3rd generation)		Intel® Core™ i3-2120T (2nd generation)	Communication			
	Intel® Core™ i3-3240/3220 (3rd generation)		Intel® Pentium™ G630T/G530T (2nd generation)	Network Controller	Integrated 10M/100M/1000M Gigabit Ethernet <sup>4</sup>		
	Intel® Core™ i5-2400 (2nd generation)		Intel® Celeron™ G460 (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™ i3-2120/2130 (2nd generation)			Bays & Connectors			
	Intel® Pentium™ G630/G850/G860 (2nd generation)			3.5' Internal Bay	2 (HDD)	1(HDD)	N/A
	Intel® Celeron™ G460/G530/G540 (2nd generation)			3.5' External Bay	1 (Card Reader)	1 (Card Reader)	N/A
				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 (1W) / 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					ThinkVantage® System Update (up to 3 years)
Serial	1 standard serial, 1 optional via punch out <sup>6</sup>		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 Janpan
AC-IN	NA		1 (65W adapter AC IN)		FCC DoC for North America
<b>Security</b>					EU/EFTA CE Mark & DoC
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
Power Supply	450W 92% Single output 240W 92% Single output		65W 87% External Adapter		Argentina S-mark
	280W 85% Single output 240W 85% Single output				China CCC Mark
<b>Chassis Dimension</b>					China RoHS
Height (mm)	365 (14.3 inch)		333 (13.1 inch)		EU WEEE
Width (mm)	175 (6.9 inch)		97 (3.8 inch)		California RoHS
Depth (mm)	412 (16.2 inch)		368 (14.5 inch)		New York RoHS
Weight (kg)	9.4kg (20.72 lbs)		6.6kg (14.55 lbs)		Korea RoHS
Volume (Approx.)	25L		11L		FCC DoC for North America
<b>Environment Attributes</b>					BSMI certification for Taiwan
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)				UL/CUL
Relative Humidity	Operating: 20% ~ 80% (non-condensing) Non-Operating: 20% ~ 90% (non-condensing)				Saudi Arabia ICCP(SASO)
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				Hong Kong SAR (CB report)
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)				EU/EFTA CE Mark & DoC
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)				PEP (Internal Certification)
<b>Preloaded Software</b>	Adobe® Acrobat® Reader®				EU RoHS
	Acrobat® Flash® Player (XP only)				Japan J-Moss
	Skype™				USA Chemical Emission Test
	PC-Doctor for WinPE				Japan Energy Saving
	Corel® Burn SE Lenovo Edition				KCC certification for Korea
	Corel® DVD Movie Factory® 7 Lenovo Edition				Mexico - NOM
	InterVideo WinDVD*				Russia GOST-R Mark (AR46)
	Microsoft® Office 2010 Starter				Green PC (EPEAT)
	Norton Internet Security 2012 with 30 days of virus definitions				China Energy Saving
	Microsoft® Live				C-Tick DoC for Australia & New Zealand
	ThinkVantage® Rescue and Recovery®				South Africa - SABS
	ThinkVantage® Product Recovery				US ENERGY STAR 5.2
	ThinkVantage® Client Security Solution (web delivery only)				Japan PC Green Label
<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.		GreenGuard
					Israel (Done, under general license)
					Croatia - ZIK(Enable Process Only)
					Nigeria (Enable process only)
					Jordan (Enable process only)
					Ukraine (Enable process only)
					Kenya (Enable process only)
					Belarus (Enable process only)
					Kuwait (Enable process only)
					Macedonia (Enable process only)
					Germany BlueAngel
					EU Green Label
					Sweden TCO05
					Taiwan Green Mark
					Footnote 5 : Optional Slim ODD Box for virtual USFF look.
					Footnote 6 : Optional port via punching out for Tower,PCI slot bracket for SF.
					Footnote 7 : W/O Vesa mount bracket.

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