

THINKCENTRE

M92z

TECHSPECS



Product Name	ThinkCentre M92z	Hard Drive	
Form Factor	All-in-One	Supported Types	Serial-ATA
Operating System	Windows® 7 Ultimate 32bit / 64bit (include SP1)	Bus Transfer Rate	Up to 6 Gb/s
	Windows® 7 Professional 32bit / 64bit (include SP1)	Available Drives	7200rpm 250GB/320GB ² /500GB/1TB
	Windows® 7 Home Premium 32bit / 64bit (include SP1)		2.5" 250GB OPAL SSC HDD ²
	Windows® 7 Home Basic 32bit (include SP1) ¹		64GB mSATA SSD ² (for Cache only)
	Windows® 7 Starter 32bit (include SP1) ¹		
	Windows® XP Professional SP3 (Downgrade from Windows 7 Pro 32 bit) ²		
Chipset	Intel® Q77	Optical Drive	
Processor	Intel® Core™ i7-3770S 65W vPro™ (3rd generation)	Supported Types	Serial-ATA
	Intel® Core™ i7-3770T 45W vPro™ (3rd generation) ²	Available Drives	Slim DVD-ROM / Slim DVD Recordable
	Intel® Core™ i5-3570S/3550S/3470S 65W vPro™ (3rd generation)	Communication	
	Intel® Core™ i5-3570T 45W vPro™ (3rd generation) ²	Network Controller	Integrated 10M/100M/1000M Gigabit Ethernet ⁶
	Intel® Core™ i5-3470T 35W vPro™ (3rd generation)	Wireless LAN / Antenna / Type	IEEE 802.11a (5GHz) ² / IEEE 802.11b/g/n (2.4GHz) / Antenna 2Tx2R / PCIe half-mini card
	Intel® Core™ i3 3220/3240 65W (3rd generation) ³	Bluetooth	Yes ⁵
	Intel® Core™ i3 2120/2130 65W (2nd generation)	Slots & Connectors	
	Intel® Pentium® G630/G640/G860/G870 65W (2nd generation)	3.5" Internal Bay	1 (HDD)
	Intel® Celeron® G530/G540/G550 65W (2nd generation)	5.25" Internal Bay	1 (Slim ODD)
	Intel® Celeron® G460 35W (2nd generation)	Mini PCI-E	1 (half-size card), occupied for Wi-Fi module
Memory		SATA	2
DIMM Slots	2	mSATA	1
Type	DDR3 (SoDIMM)	I/O Ports (Side)	
Speed	Up to 1600 MHZ ⁴	USB (Type)	2 x USB 3.0
Module Type Supported	2GB/4GB/8GB ²	Microphone	1
Max Memory	16GB	Headphone	1
Bandwidth	Up to 12.8GB/s	I/O Ports (Rear)	
Graphics		USB (Type)	4 x USB 2.0
Integrated	Intel® HD Graphics	Display (Input)	1 x Display Port
Discrete	AMD HD 7650 ²	Display (Output)	1 x Display Port
Displays		COM	1, optional
Panel Size	20" Wide / 23" Wide	PS/2	1, optional
Multi-touch	20" Wide (No) / 23" Wide (Yes) ⁵	LAN (RJ45)	1
Backlight Type	LED	AC-IN	1
Aspect Ratio	Wide (16:9)	Security	
Resolution	1600 x 900 / 1920 x 1080	Security Platform Chip	Trusted Platform Module (TPM 1.2)
Brightness	250 cd/m ²	Physical Security	Kensington Lock / Cable Lock / Intrusion Switch
Viewing Angle (degree)	170/160 (20 inch) ; 178/178 (23 inch)	USB Disable	Standard
Response Time	5 ms (TN, 20 inch) / 14 ms (IPS, 23 inch)	Computrace Support	Standard
Panel Type	TN (20 inch) / IPS (23 inch)	Ease of Use	
Peripherals		Chassis (Back Cover)	Yes
Keyboard	Lenovo® Preferred Pro Full-size Keyboard	HDD	Yes
	Lenovo® Preferred Pro Fingerprint Keyboard	ODD	Yes
	Ultraslim Plus Wireless Keyboard ⁵	Memory	Yes
Mouse	USB Optical Wheel Mouse	Stand	Frame stand, Monitor Stand
	Ultraslim Plus Wireless Mouse ⁵	Power Supply	
Media Card Reader	11-in-1 ⁵	Electricity Ratings	100-240V, 50/60Hz, 2.0A
Web Camera	2 Mega Pixel HD Webcam, 1920x1080	Integrated Graphics	Internal 150 W 85 plus (auto-sensing)
Microphone	Digital array MIC	Discrete Graphics	Internal 180 W 92 plus (auto-sensing)
Speaker	Integrated 3W x 2		

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Chassis Dimension	Multi-Touch, with Frame Stand	Non-Touch, with Frame Stand	Multi-Touch, with Monitor Stand	Non-Touch, with Monitor Stand	
23"					Corel® Burn SE Lenovo Edition 10.0 Corel® DVD Movie Factory® 7.0 Lenovo Edition InterVideo WinDVD 2011 (Win7 Home Basic & Starter only) Norton Internet Security 2012 with 30 days of virus definitions
Width (mm)	447.3 (17.6 inches)	447.3 (17.6 inches)	451.9 (17.8 inches)	451.9 (17.8 inches)	Certifications TUV Green Mark UL Environment Gold TCO Edge Energy Star 5.2 EPEAT Gold EuP 2013 FCC DoC for North America BSMI certification for Taiwan UL/CUL Saudi Arabia ICCP(SASO) Hong Kong SAR (CB report) EU/EFTA CE Mark & DoC PEP China RoHS EU WEEE EU RoHS California RoHS New York RoHS Korea RoHS Japan J-Moss USA Chemical Emission Test Japan Energy Saving VCCI certification for Japan EU/EFTA CE Mark & DoC DEMKO-GS IEC60950-1 CB Report/Certificate Argentina S-mark China CCC Mark CECP (China Certificate for Energy Conservation Product) CEL (China Environment Labeling) eStandby certification KCC certification for Korea Sweden TCO Certified Edge C-Tick DoC for Australia & New Zealand Mexico - NOM South Africa - SABS GreenGuard Japan PC Green Label Russia GOST-R Mark (AR46) -- Voluntary Certification (Per Marketing Input): Israel (Done, under general license) Croatia - ZIK(Enable Process Only) Nigeria (Enable process only) Kenya (Enable process only) Jordan (Enable process only) Belarus (Enable process only) Ukraine (Enable process only) Kuwait (Enable process only) Macedonia (Enable process only) Taiwan Green Mark (Enable process only)
Height (mm)	568 (22.4 inches)	568 (22.4 inches)	568 (22.4 inches)	568 (22.4 inches)	
Depth (mm)	100 (3.9 inches)	93 (3.7 inches)	254 (10 inches)	247 (9.7 inches)	
Weight (kg) (lbs)	10.9 (31 lbs)	9.76 (21.5 Ibs)	12.76 (28.1 lbs)	11.68 (25.7 Ibs)	
20"					
Height (mm)		408 (16.06 inches)		447.95 (17.63 inches)	
Width (mm)		502.8 (19.8 inches)		502.8 (19.79 inches)	
Depth (mm)		92.5 (3.64 inches)		143.2 (5.63 inches)	
Weight (kg) (lbs)		8.4 (18.5 lbs)		10.45 (23 lbs)	
Environment Attributes					
Temperature	Operating: 10°C - 35°C (50F to 95F) Non-operating: -20°C - 60°C (with package) Wet Bulb Temperature: 25°C (max)(Operating), 40°C (max)-(NonOperating)				
Relative Humidity	Operating: 20% ~ 80% (non-condensing) Non-Operating: 20% ~ 80% (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) Storage: -15.2 to 10,668 m (-50 to 35,000 ft)				
Preloaded Software	ThinkVantage Automatic Lock Utility 1.5 ThinkVantage® System Update 3.1 (Vista/XP) 4.0 (Win7) ThinkVantage Productivity Center 2.0 ThinkVantage® Rescue and Recovery® (4.2 Win/XP only) (4.5 Win7) ThinkVantage® Product Recovery (8.0 for Vista&XP /10.1 for Win7) ThinkVantage®Client Security Solution (web delivery only) ThinkVantage®Password Manager 8.0 (Vista/XP) 10.0 (Win7) Lenovo Solution Centre 1.1 Lenovo Message Center Plus 3.1 (Vista/XP) 4.0 (Win7) Desktop Power Manager 2.1 SimpleTap v3.0 Communication Utility 3.0 View Management Utility 3.0 Adobe Acrobat Reader 10.0 Adobe Flash Player 10.0 Skype 5.8 Microsoft® Touch Pack on systems with Touch monitor (Win7) Microsoft® Office 2010 Starter Microsoft® Live (not available in some regions) KINGSOFT Japanese Dictionary (JP Only)				
Footnote					
Footnote 1: Emerging Market Only	Footnote 2: Special Bid Only	Footnote 3: Available in Q3 2012	Footnote 4: Speed varied by processor	Footnote 5: Optional	Footnote 6: 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.

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