

# THINKCENTRE

# M72z

# TECHSPECS



|                        |   |  |  |                        |                          |                      |                          |             |
|------------------------|---|--|--|------------------------|--------------------------|----------------------|--------------------------|-------------|
| Product Name           | ThinkCentre M72z  | Bus Transfer Rate  | Up to 6Gb/s  |                        |                          |                      |                          |             |
| Form Factor            | All-in-One  | Available Drives   | 7200rpm 250GB/320GB <sup>5</sup> /500GB/1TB <sup>3</sup>     |                        |                          |                      |                          |             |
| Operating System       | Genuine Microsoft Windows® 7 Ultimate 64bit/32bit (include SP1) <sup>1</sup>                      | Optical Drive  | 128/160GB SSD <sup>3</sup>                                   |                        |                          |                      |                          |             |
|                        | Genuine Microsoft Windows® 7 Professional 64bit/32bit (include SP1)                               |  | 2.5" 250GB OPAL SSC HDD <sup>3</sup>                         |                        |                          |                      |                          |             |
|                        | Genuine Microsoft Windows® 7 Home Premium 64bit/32bit (include SP1)                               | Supported Types  | Serial-ATA   |                        |                          |                      |                          |             |
|                        | Genuine Microsoft Windows® 7 Home Basic 32bit (include SP1) <sup>2</sup>                          | Available Drives   | Slim DVD-ROM/Slim DVD Rambo                                  |                        |                          |                      |                          |             |
|                        | Genuine Microsoft Windows® 7 Starter 32bit (include SP1) <sup>2</sup>                             | Communication  |  |                        |                          |                      |                          |             |
|                        | Genuine Microsoft Windows® XP Professional SP3 (Downgrade from Windows 7 Pro 32 bit) <sup>3</sup> | Network Controller   | Integrated 10M/100M/1000M Gigabit Ethernet <sup>7</sup>      |                        |                          |                      |                          |             |
| Chipset                | Intel® H61  | Wireless LAN / Antenna / Type                                      | IEEE 802.11a (5GHz) <sup>3</sup> , IEEE 802.11b/g/n (2.4GHz) |                        |                          |                      |                          |             |
| Processor              | Intel® Core™ i7-3770S (3rd generation)  | Wi-Fi / Bluetooth <sup>8</sup>                                     | Antenna 2Tx2R / PCIe half-mini card                          |                        |                          |                      |                          |             |
|                        | Intel® Core™ i5-3470T/3470S/3550S/3570S (3rd generation)  |  | Mini PCIe 802.11b/g/n, a/b/g/n <sup>3</sup>                  |                        |                          |                      |                          |             |
|                        | Intel® Core™ i3-3220/3240 (3rd generation) <sup>4</sup>   | Slots & Connectors   | Bluetooth v4.0   |                        |                          |                      |                          |             |
|                        | Intel® Core™ i3-2120/2130 (2nd generation)  |  |  |                        |                          |                      |                          |             |
|                        | Intel® Pentium™ G630/G640/G860/G870 (2nd generation)  |  | 3.5" Internal Bay 1 (HDD)                                    |                        |                          |                      |                          |             |
|                        | Intel® Celeron™ G460/G530/G540/G550 (2nd generation)  |  | 5.25" Internal Bay 1 (Slim ODD)                              |                        |                          |                      |                          |             |
| Memory                 |   | Mini PCI-E   | 1 (half-size card), occupied for Wi-Fi module                |                        |                          |                      |                          |             |
| DIMM Slots             | 2   | SATA   | 2  |                        |                          |                      |                          |             |
| Type                   | DDR3 (SoDIMM)   | I/O Ports (Side)   | USB (Type) 2 x USB 2.0                                       |                        |                          |                      |                          |             |
| Speed                  | Up to 1600 MHZ <sup>2</sup>   |  | Microphone 1   |                        |                          |                      |                          |             |
| Module Type Supported  | 2GB/4GB   | I/O Ports (Rear)   | Headphone 1  |                        |                          |                      |                          |             |
| Max Memory             | 8GB   |  | USB (Type) 4 x USB 2.0                                       |                        |                          |                      |                          |             |
| Bandwidth              | up to 12.8GB/s  | Display (Input)  | NA   |                        |                          |                      |                          |             |
| Graphics               |   | Display (Output)   | 1 x Display Port   |                        |                          |                      |                          |             |
| Integrated             | Intel® HD Graphics  | COM  | 1, optional  |                        |                          |                      |                          |             |
| Discrete               | N/A   | PS/2   | 1, optional  |                        |                          |                      |                          |             |
| Displays               | Panel Size  | LAN (RJ45)   | 1  |                        |                          |                      |                          |             |
|                        |   | AC-IN  | 1  |                        |                          |                      |                          |             |
|                        | Multi-touch   | Security   |  |                        |                          |                      |                          |             |
|                        | Backlight Type  | Security Platform Chip   | Trusted Platform Module (TPM 1.2)                            |                        |                          |                      |                          |             |
|                        | Aspect Ratio  | Computrace   | Yes  |                        |                          |                      |                          |             |
|                        | Resolution  | USB Disable  | Yes  |                        |                          |                      |                          |             |
| Brightness             | 250 cd/m2   | Physical Security <sup>9</sup>                                     | Kensington Lock / Cable Lock / Intrusion Switch              |                        |                          |                      |                          |             |
| Viewing Angle (degree) | 170 / 160   | Ease of Use  |  |                        |                          |                      |                          |             |
| Response Time          | 5 ms  | Handle   | Yes  |                        |                          |                      |                          |             |
| Panel Type             | TN  | Chassis  | No   |                        |                          |                      |                          |             |
| Peripherals            | Keyboard  | HDD  | No   |                        |                          |                      |                          |             |
|                        |   | Lenovo® Ultra Slim Plus Wireless Keyboard                          | ODD  | No                     |                          |                      |                          |             |
|                        |   | Lenovo® Preferred Pro Full-size Keyboard (USB / PS/2) <sup>5</sup> | Memory   | No                     |                          |                      |                          |             |
| Mouse                  | Ultra Slim Plus Wireless Mouse  | Stand  | Frame stand and Monitor stand (Height adjustable stand)      |                        |                          |                      |                          |             |
|                        | Enhanced Optical Wheel Mouse (USB)  | Power Supply   | Internal 150W 85% Auto-sensing                               |                        |                          |                      |                          |             |
| Web Camera             | 2 Mega Pixel HD Webcam (Optional)   | Chassis Dimension  | Touch, Frame Stand   | Non-Touch, Frame Stand | Non-Touch, Monitor Stand | Touch, without Stand | Non-Touch, without Stand |             |
| Microphone             | Digital array MIC (Optional)  |  | Height (mm)  | 411                    | 411                      | 430.85               | 411                      | 411         |
| Speaker                | Integrated 2W x 2   |  | Width (mm)   | 506.8                  | 506.8                    | 506.8                | 506.8                    | 506.8       |
| Media Card Reader      | 7 in 1 Card Reader  |  | Depth (mm)   | 107                    | 100.5                    | 227                  | 78                       | 71.5        |
| Hard Drive             |   |  | Weight (kg) <sup>9</sup>                                     | 7.95                   | 7.32~7.54                | 8.18~8.4             | 8.365                    | 6.835~7.055 |
| Supported Types        | Serial-ATA  |  |  |                        |                          |                      |                          |             |

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| Environment Attributes                           |  | Certifications                   |  |
|--|--|----------------------------------|--|
| Temperature                                      | Operating: 10°C - 35°C (50F to 95F)<br>Non-operating: -20°C - 60°C (with package)<br>Wet Bulb Temperature: 25°C (max) (Operating), 40°C (max)(Non-Operating)                                   | TCO Edge                         |  |
| Relative Humidity                                | Operating: 20% ~ 80% (non-condensing)<br>Non-Operating: 20% ~ 80% (non-condensing)   | Energy Star 5.2                  |  |
| Max Vibration                                    | Operating: 0.27 G at 5 to 500 Hz at 0.5 octave/min, Random<br>Non-Operating: 1.04 G at 2 to 200 Hz at 1 octave/min<br>With Package: 1.04 G at 2 to 200 Hz at 1 octave/min                      | EPEAT Gold                       |  |
| Max Shock  | Operating: Bottom half-sine pulse with a change in velocity of 37.4 cm/sec (14.7 inches/sec)<br>Non-Operating: 45-G faired square wave with a velocity change of 441 cm/sec (173.7 inches/sec) | EuP 2013                         |  |
| Max Altitude                                     | Operating: -15.2 to 3048 m (-50 to 10,000 ft)<br>Non-Operating: -15.2 to 10,668 m (-50 to 35,000 ft)   | VCCI certification for Japan     |  |
| Preloaded Software<br>(Various by OS and Region) | Adobe® Acrobat® Reader®  | EU/EFTA CE Mark & DoC            |  |
|  | Acrobat® Flash® Player   | DEMKO-GS                         |  |
|  | Skype™   | IEC60950-1 CB Report/Certificate |  |
|  | Microsoft® Live  | Argentina S-mark                 |  |
|  | SimpleTap  | China CCC Mark                   |  |
|  | Corel® Burn Now Lenovo Edition   | China RoHS                       |  |
|  | Corel® DVD Movie Factory® 7 Lenovo Edition   | EU WEEE                          |  |
|  | InterVideo WinDVD  | California RoHS                  |  |
|  | Microsoft® Office 2010 Starter   | New York RoHS                    |  |
|  | Norton Internet Security 2011 with 30 days of virus definitions  | Korea RoHS                       |  |
|  | ThinkVantage® Rescue and Recovery®   | FCC DoC for North America        |  |
|  | ThinkVantage® Product Recovery   | BSMI certification for Taiwan    |  |
|  | ThinkVantage® Client Security Solution (web delivery only)   | ETL/cETL                         |  |
|  | ThinkVantage® Password Manager   | Saudi Arabia ICCP(SASO)          |  |
|  | Lenovo Solution Centre   | Hong Kong SAR (CB report)        |  |
|  | ThinkVantage® System Update  | EU/EFTA CE Mark & DoC            |  |
|  | ThinkVantage Message Centre Plus   | PEP(Internal Certification)      |  |
|  | Desktop Power Manager  | EU RoHS                          |  |
|  | PC Auto Lock   | Japan J-Moss                     |  |
|  | Communication Utility  | Japan Energy Saving              |  |
| View Management Utility                          | Japan Energy Saving  |                                  |  |
|  | KC certification for Korea   |                                  |  |
|  | Mexico - NOM   |                                  |  |
|  | Russia GOST-R Mark (AR46)  |                                  |  |
|  | C-Tick DoC for Australia & New Zeland  |                                  |  |
|  | South Africa - SABS  |                                  |  |
|  | Japan PC Green Label   |                                  |  |
|  | GreenGuard   |                                  |  |
|  | Croatia - ZIK(Enable Process Only)   |                                  |  |
|  | Nigeria (Enable process only)  |                                  |  |
|  | Ukraine (Enable process only)  |                                  |  |
|  | Kenya (Enable process only)  |                                  |  |
|  | Belarus (Enable process only)  |                                  |  |
|  | Kuwait (Enable process only)   |                                  |  |
|  | Korea eStandby   |                                  |  |
|  | Uzbekistan-STZ   |                                  |  |
|  | Serbia-KVALITET  |                                  |  |
|  | Singapore-PSB  |                                  |  |
|  | Kazakhstan - CKI   |                                  |  |
|  | Moldavia - INSM  |                                  |  |

#### Footnote

Footnote 1: English only  
Footnote 2: Emerging market only  
Footnote 3: Special bid only  
Footnote 4: Available in Q3 2012  
Footnote 5: Speed varied by processor

Footnote 6: CTO/Special Bid  
Footnote 7: 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 8: Optional  
Footnote 9: Weight varies by optional features.  
(Webcam/Card reader/IO ports / antenna)

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