



Lenovo ThinkCentre M72z Intel® Core™ i3 i3-3220 20" 1600 x 900 pixels Touchscreen All-in-One PC 4 GB DDR3-SDRAM 500 GB HDD Windows 7 Professional Black

Brand : Lenovo

Article code: RDHA1IX

Product name : ThinkCentre M72z

Lenovo ThinkCentre M72z. Product type: All-in-One PC. Display diagonal: 20", HD type: HD+, Display resolution: 1600 x 900 pixels, Touchscreen. Processor family: Intel® Core™ i3, Processor frequency: 3.3 GHz. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 500 GB, Storage media: HDD. Built-in camera. Optical drive type: DVD-RW. Operating system installed: Windows 7 Professional. Product color: Black



Display		Ports & interfaces	
Display diagonal *	20"	USB 2.0 ports quantity *	6
Display resolution *	1600 x 900 pixels	DisplayPorts quantity	1
Touchscreen *	✓	Headphone outputs	1
Full HD	✗	Microphone in	✓
HD type *	HD+	DC-in jack	✓
LED backlight	✓	Design	
Touch technology	Multi-touch	Product color *	Black
Native aspect ratio	16:9	Performance	
Display brightness	250 cd/m²	Product type *	All-in-One PC
Processor		Motherboard chipset	Intel® H61 Express
Processor manufacturer *	Intel	Software	
Processor family *	Intel® Core™ i3	Operating system architecture	64-bit
Processor generation	3rd gen Intel® Core™ i3	Operating system installed *	Windows 7 Professional
Processor model *	i3-3220	Processor special features	
Processor cores	2	Intel® Turbo Boost Technology	✗
Processor threads	4	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor frequency *	3.3 GHz	Intel® My WiFi Technology (Intel® MWT)	✓
Processor cache	3 MB	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cache type	Smart Cache	Intel® Anti-Theft Technology (Intel® AT)	✓
System bus rate	5 GT/s	Intel® Wireless Display (Intel® WiDi)	✓
64-bit computing	✓	Enhanced Intel SpeedStep Technology	✓
Thermal Design Power (TDP)	55 W	Intel® Quick Sync Video Technology	✓
PCI Express slots version	2.0	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor socket	LGA 1155 (Socket H2)	Intel Clear Video Technology	✗
Processor lithography	22 nm		
Processor operating modes	64-bit		
Bus type	DMI		
Processor codename	Ivy Bridge		
Processor series	Intel Core i3-3200 Desktop Series		
FSB Parity	✗		
PCI Express configurations	1x16, 2x8		

Processor		Processor special features	
Tcase	65.3 °C	Intel® Insider™	✓
CPU multiplier (bus/core ratio)	33	Intel® InTru™ 3D Technology	✓
Maximum internal memory supported by processor	32 GB	Intel Flex Memory Access	✓
Conflict-Free processor	✓	Intel® AES New Instructions (Intel® AES-NI)	✗
Memory types supported by processor	DDR3-SDRAM	Intel Trusted Execution Technology	✗
Memory clock speeds supported by processor	1333,1600 MHz	Intel Enhanced Halt State	✓
Memory bandwidth supported by processor (max)	25.6 GB/s	Intel VT-x with Extended Page Tables (EPT)	✓
Memory channels supported by processor	Dual	Intel Demand Based Switching	✗
ECC supported by processor	✓	Intel® Secure Key	✗
Memory		Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Internal memory *	4 GB	Intel 64	✓
Internal memory type	DDR3-SDRAM	Execute Disable Bit	✓
Maximum internal memory *	8 GB	Idle States	✓
Memory slots	2	Thermal Monitoring Technologies	✓
Memory slots type	SO-DIMM	Processor package size	37.5 x 37.5 mm
Memory clock speed	1600 MHz	Supported instruction sets	AVX, SSE4.1, SSE4.2
Memory layout (slots x size)	1 x 4 GB	CPU configuration (max)	1
Storage		Embedded options available	✓
Total storage capacity *	500 GB	Thermal solution specification	PCG 2011C
Storage media *	HDD	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Number of storage drives installed	1	Intel Identity Protection Technology version	1.00
Number of HDDs installed	1	Intel Secure Key Technology version	0.00
HDD speed	7200 RPM	Intel Virtualization Technology (VT-x)	✓
HDD interface	SATA	Intel Dual Display Capable Technology	✗
Optical drive type *	DVD-RW	Intel FDI Technology	✓
Card reader integrated	✓	Intel Rapid Storage Technology	✗
Graphics		Intel Fast Memory Access	✓
On-board graphics card *	✓	Processor ARK ID	65693
On-board graphics card family	Intel® HD Graphics	Power	
On-board graphics card model *	Intel® HD Graphics 2500	AC adapter frequency	50/60 Hz
On-board graphics card base frequency	650 MHz	AC adapter input voltage	100 - 240 V
On-board graphics card dynamic frequency (max)	1050 MHz	Weight & dimensions	
Number of displays supported (on-board graphics)	3	Width (with stand)	20" (506.8 mm)
On-board graphics card ID	0x152	Depth (with stand)	2.81" (71.5 mm)
Audio		Height (with stand)	16.2" (411 mm)
Built-in speaker(s) *	✓	Weight (with stand)	17.4 lbs (7.9 kg)
RMS rated power	4 W	Certificates	
Built-in microphone	✓	Compliance certificates	RoHS
Audio system	HD	Sustainability	
Camera		Sustainability certificates	EPEAT Gold, ENERGY STAR
Built-in camera *	✓	Packaging content	
Total megapixels	2 MP	Mouse included	✓
Network		Keyboard included	✓
Wi-Fi *	✗	AC adapter included	✓
Wi-Fi standards	Not supported	Quick start guide	✓
Ethernet LAN *	✓	Other features	
Ethernet LAN data rates	10,100,1000 Mbit/s	Storage drive interface	Serial ATA
Bluetooth *	✗		
Ports & interfaces			
Ethernet LAN (RJ-45) ports	1		

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