![Lenovo]

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

Display diagonal *	20"
Display resolution *	1600 x 900 pixels
Touchscreen *	✔
Full HD	✘
HD type *	HD+
LED backlight	✔
Touch technology	Multi-touch
Native aspect ratio	16:9
Display brightness	250 cd/m²

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i3
Processor generation	3rd gen Intel® Core™ i3
Processor model *	i3-3220
Processor cores	2
Processor threads	4
Processor frequency *	3.3 GHz
Processor cache	3 MB
Processor cache type	Smart Cache
System bus rate	5 GT/s
64-bit computing	✔
Thermal Design Power (TDP)	55 W
PCI Express slots version	2.0
Processor socket	LGA 1155 (Socket H2)
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

Ports & interfaces

USB 2.0 ports quantity *	6
DisplayPorts quantity	1
Headphone outputs	1
Microphone in	✔
DC-in jack	✔

Design

Product color *	Black

Performance

Product type *	All-in-One PC
Motherboard chipset	Intel® H61 Express

Software

Operating system architecture	64-bit
Operating system installed *	Windows 7 Professional

Processor special features

Intel® Turbo Boost Technology	✘
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® My WiFi Technology (Intel® MWT)	✔
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Anti-Theft Technology (Intel® AT)	✔
Intel® Wireless Display (Intel® WiDi)	✔
Enhanced Intel SpeedStep Technology	✔
Intel® Quick Sync Video Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✘

Processor

Tcase	65.3 °C
CPU multiplier (bus/core ratio)	33
Maximum internal memory supported by processor	32 GB
Conflict-Free processor	✔
Memory types supported by processor	DDR3-SDRAM
Memory clock speeds supported by processor	1333,1600 MHz
Memory bandwidth supported by processor (max)	25.6 GB/s
Memory channels supported by processor	Dual
ECC supported by processor	✔

Memory

Internal memory *	4 GB
Internal memory type	DDR3-SDRAM
Maximum internal memory *	8 GB
Memory slots	2
Memory slots type	SO-DIMM
Memory clock speed	1600 MHz
Memory layout (slots x size)	1 x 4 GB

Storage

Total storage capacity *	500 GB
Storage media *	HDD
Number of storage drives installed	1
Number of HDDs installed	1
HDD speed	7200 RPM
HDD interface	SATA
Optical drive type *	DVD-RW
Card reader integrated	✔

Graphics

On-board graphics card *	✔
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 2500
On-board graphics card base frequency	650 MHz
On-board graphics card dynamic frequency (max)	1050 MHz
Number of displays supported (on-board graphics)	3
On-board graphics card ID	0x152

Audio

Built-in speaker(s) *	✔
RMS rated power	4 W
Built-in microphone	✔
Audio system	HD

Camera

Built-in camera *	✔
Total megapixels	2 MP

Network

Wi-Fi *	✘
Wi-Fi standards	Not supported
Ethernet LAN *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth *	✘

Ports & interfaces

Ethernet LAN (RJ-45) ports	1

Processor special features

Intel® Insider™	✔
Intel® InTru™ 3D Technology	✔
Intel Flex Memory Access	✔
Intel® AES New Instructions (Intel® AES-NI)	✘
Intel Trusted Execution Technology	✘
Intel Enhanced Halt State	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Demand Based Switching	✘
Intel® Secure Key	✘
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✘
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	37.5 x 37.5 mm
Supported instruction sets	AVX, SSE4.1, SSE4.2
CPU configuration (max)	1
Embedded options available	✔
Thermal solution specification	PCG 2011C
Intel Virtualization Technology for Directed I/O (VT-d)	✘
Intel Identity Protection Technology version	1.00
Intel Secure Key Technology version	0.00
Intel Virtualization Technology (VT-x)	✔
Intel Dual Display Capable Technology	✘
Intel FDI Technology	✔
Intel Rapid Storage Technology	✘
Intel Fast Memory Access	✔
Processor ARK ID	65693

Power

AC adapter frequency	50/60 Hz
AC adapter input voltage	100 - 240 V

Weight & dimensions

Width (with stand)	20" (506.8 mm)
Depth (with stand)	2.81" (71.5 mm)
Height (with stand)	16.2" (411 mm)
Weight (with stand)	17.4 lbs (7.9 kg)

Certificates

Compliance certificates	RoHS

Sustainability

Sustainability certificates	EPEAT Gold, ENERGY STAR

Packaging content

Mouse included	✔
Keyboard included	✔
AC adapter included	✔
Quick start guide	✔

Other features

Storage drive interface	Serial ATA

Catalog Object Cloud