Lenovo ThinkCentre M91p Intel® Core™ i7 i7-2600 2 GB DDR3-SDRAM 320 GB HDD Windows 7 Professional Tower PC Black

Brand : Lenovo　　　　**Product family:** ThinkCentre　　　　**Product code:** SELA4MZ

Product name : M91p

Intel Core i7-2600 (3.40 GHz), 2GB DDR3 SDRAM, 320GB HDD, Intel HD Graphics 2000, DVD±RW, Gigabit Ethernet, 280W, Windows 7 Professional 64-bit
Lenovo ThinkCentre M91p. Processor frequency: 3,4 GHz, Processor family: Intel® Core™ i7, Processor model: i7-2600. Internal memory: 2 GB, Internal memory type: DDR3-SDRAM, Memory clock speed: 1333 MHz. Total storage capacity: 320 GB, Storage media: HDD, Optical drive type: DVD±RW. On-board graphics card model: Intel® HD Graphics 2000. Operating system installed: Windows 7 Professional, Operating system architecture: 64-bit. Power supply: 280 W. Chassis type: Tower. Product type: PC

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	2nd gen Intel® Core™ i7
Processor model *	i7-2600
Processor cores	4
Processor threads	8
Processor boost frequency	3.8 GHz
Processor frequency *	3.4 GHz
Processor socket	LGA 1155 (Socket H2)
Processor cache	8 MB
Processor cache type	Smart Cache
System bus rate	5 GT/s
Bus type	DMI
FSB Parity	✘
Processor lithography	32 nm
Processor operating modes	64-bit
Processor series	Intel Core i7-2600 Desktop Series
Processor codename	Sandy Bridge
Thermal Design Power (TDP)	95 W
Tcase	72.6 °C
PCI Express slots version	2.0
Maximum number of PCI Express lanes	16
Number of processors installed	1

Design

Chassis type *	Tower
Placement supported	Horizontal
Number of 3.5" bays	2
Number of 5.25" bays	1
Cable lock slot	✔
Cable lock slot type	Kensington
Product colour *	Black

Performance

Motherboard chipset	Intel® Q67 Express
Audio chip	Realtek ALC662
Audio system	High Definition Audio
Product type *	PC

Software

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

Processor special features

Intel® Wireless Display (Intel® WiDi)	✘
Intel 64	✔
Enhanced Intel SpeedStep Technology	✔
Embedded options available	✔

Processor

Stepping	D2
CPU multiplier (bus/core ratio)	34
Maximum internal memory supported by processor	32 GB
Memory types supported by processor	DDR3-SDRAM
Memory clock speeds supported by processor	1066,1333 MHz
Memory bandwidth supported by processor (max)	21 GB/s
ECC supported by processor	✘

Memory

Internal memory *	2 GB
Maximum internal memory *	16 GB
Internal memory type	DDR3-SDRAM
Memory layout (slots x size)	1 x 2 GB
Memory slots	4x DIMM
Memory clock speed	1333 MHz
Memory channels	Dual-channel

Storage

Total storage capacity *	320 GB
Storage media *	HDD
Optical drive type *	DVD±RW
Number of storage drives installed	1
Number of HDDs installed	1
HDD capacity	320 GB
HDD interface	SATA
HDD speed	7200 RPM
Card reader integrated	✘
RAID support	✔
RAID levels	0, 1

Graphics

On-board graphics card *	✔
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 2000
On-board graphics card base frequency	850 MHz
On-board graphics card dynamic frequency (max)	1350 MHz
Number of displays supported (on-board graphics)	2
On-board graphics card ID	0x102
Maximum graphics card memory	0.5 GB

Network

Ethernet LAN *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Cabling technology	10/100/1000Base-T(X)
Wi-Fi *	✘
Wake-on-LAN ready	✔

Ports & interfaces

USB 2.0 ports quantity *	8
VGA (D-Sub) ports quantity	1
DVI port	✘
DisplayPorts quantity	1
Ethernet LAN (RJ-45) ports	1
Microphone in	✔
Headphone outputs	1
Line-out	✔

Processor special features

Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✘
Intel VT-x with Extended Page Tables (EPT)	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✔
Execute Disable Bit	✔
Intel FDI Technology	✔
Intel Flex Memory Access	✔
Intel Fast Memory Access	✔
Intel Enhanced Halt State	✔
Intel Demand Based Switching	✘
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✘
Processor package size	37.5 x 37.5 mm
Supported instruction sets	AVX
Processor code	SR00B
CPU configuration (max)	1
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Identity Protection Technology version	1.00
Intel Virtualization Technology (VT-x)	✔
Intel Dual Display Capable Technology	✔
Intel Rapid Storage Technology	✘
Processor ARK ID	52213
Intel® Turbo Boost Technology	2.0
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Quick Sync Video Technology	✔
Intel® My WiFi Technology (Intel® MWT)	✘
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Anti-Theft Technology (Intel® AT)	✘
Conflict-Free processor	✘

Power

Power supply *	280 W

Certificates

Compliance certificates	RoHS

Sustainability

Sustainability certificates	ENERGY STAR

Weight & dimensions

Width *	175 mm
Depth *	442 mm
Height *	414 mm
Weight *	11 kg

Packaging content

Mouse included	✔

Ports & interfaces

Line-in	✔
DC-in jack	✔
Serial ports quantity	1

Expansion slots

PCI Express x1 (Gen 2.x) slots	1
PCI Express x16 (Gen 2.x) slots	1
PCI slots	2

Packaging content

Keyboard included	✔

Display

Display included *	✗

Other features

Networking features	Gigabit Ethernet
Compliance industry standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Graphics card family	Intel
Intel segment tagging	Enterprise, Professional