Lenovo

Lenovo ThinkCentre M920s Intel® Core™ i7 i7-9700 16 GB DDR4-SDRAM 256 GB SSD Windows 10 Pro SFF PC Black

Brand : Lenovo   **Product family:** ThinkCentre   **Article code:** 10SJ0058US

Product name : M920s

Lenovo ThinkCentre M920s. Processor frequency: 3 GHz, Processor family: Intel® Core™ i7, Processor model: i7-9700. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 256 GB, Storage media: SSD, Optical drive type: DVD±RW. On-board graphics card model: Intel® UHD Graphics 630. Operating system installed: Windows 10 Pro, Operating system architecture: 64-bit. Chassis type: SFF. Product type: PC. Weight: 6 kg. Product color: Black

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	9th gen Intel® Core™ i7
Processor model *	i7-9700
Processor cores	8
Processor threads	8
Processor boost frequency	4,7 GHz
Processor frequency *	3 GHz
Processor socket	LGA 1151 (Socket H4)
Processor cache	12 MB
Processor cache type	Smart Cache
System bus rate	8 GT/s
Processor lithography	14 nm
Processor operating modes	64-bit
Processor codename	Coffee Lake
Thermal Design Power (TDP)	65 W
Tjunction	100 °C
PCI Express slots version	3.0
Maximum number of PCI Express lanes	16
PCI Express configurations	1x16, 2x8, 1x8+2x4
Number of processors installed	1
Maximum internal memory supported by processor	128 GB
Memory types supported by processor	DDR4-SDRAM
Memory clock speeds supported by processor	2666 MHz
Memory bandwidth supported by processor (max)	41,6 GB/s

Memory

Internal memory *	16 GB
Maximum internal memory *	64 GB
Internal memory type	DDR4-SDRAM
Memory slots	4x DIMM
Non-ECC	✔

Storage

Total storage capacity *	256 GB

Ports & interfaces

Ethernet LAN (RJ-45) ports	1
Microphone in	✔
Headphone outputs	1
Line-out	✔
Line-in	✔
Combo headphone/mic port	✔
Serial ports quantity	1

Design

Chassis type *	SFF
Volume	8,4 L
Placement supported	Horizontal/Vertical
Product color *	Black

Performance

Motherboard chipset	Intel Q370
Audio chip	Realtek ALC233VB2
Audio system	High Definition Audio
Password protection	✔
Password protection type	HDD, Power on, Supervisor
Product type *	PC

Software

Operating system architecture	64-bit
Operating system installed *	Windows 10 Pro

Processor special features

Intel 64	✔
Enhanced Intel SpeedStep Technology	✔
Embedded options available	✘
Intel® InTru™ 3D Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel TSX-NI	✔
Idle States	✔

Storage

Storage media *	SSD
Optical drive type *	DVD±RW
Number of storage drives installed	1
Total SSDs capacity	256 GB
Number of SSDs installed	1

Graphics

Discrete graphics card *	✘
On-board graphics card *	✔
Discrete graphics card model *	Not available
On-board graphics card model *	Intel® UHD Graphics 630
On-board graphics card base frequency	350 MHz
On-board graphics card dynamic frequency (max)	1200 MHz
Maximum on-board graphics card memory	64 GB
Number of displays supported (on-board graphics)	3
On-board graphics card DirectX version	12.0
On-board graphics card OpenGL version	4.5
On-board graphics card ID	0x3E98

Network

Ethernet LAN *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Cabling technology	10/100/1000Base-T(X)

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	6
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
VGA (D-Sub) ports quantity	1
DVI port	✘
DisplayPorts quantity	2

Processor special features

Thermal Monitoring Technologies	✔
Intel Stable Image Platform Program (SIPP)	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel® Secure Key	✔
Intel® OS Guard	✔
Intel Trusted Execution Technology	✔
Execute Disable Bit	✔
Intel Software Guard Extensions (Intel SGX)	✔
Processor package size	37.5 x 37.5 mm
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Scalability	1S
CPU configuration (max)	1
Thermal solution specification	PCG 2015C
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Virtualization Technology (VT-x)	✔
Processor ARK ID	191792
Intel® Turbo Boost Technology	2.0
Intel® Hyper Threading Technology (Intel® HT Technology)	✘
Intel® Quick Sync Video Technology	✔
Intel® Identity Protection Technology (Intel® IPT)	✔

Weight & dimensions

Width *	92,5 mm
Depth *	290,5 mm
Height *	343,5 mm
Weight *	6 kg

Packaging content

Mouse included	✔
Keyboard included	✔

Display

Display included *	✘

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