



## Lenovo ThinkCentre M920s Intel® Core™ i7 i7-8700 16 GB DDR4-SDRAM 256 GB SSD Windows 10 Pro SFF PC Black

**Brand :** Lenovo

**Product family:** ThinkCentre

**Article code:** 10SJ003BUS

**Product name :** M920s

Lenovo ThinkCentre M920s. Processor frequency: 3,2 GHz, Processor family: Intel® Core™ i7, Processor model: i7-8700. 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. Power supply: 210 W. Chassis type: SFF. Product type: PC. Product color: Black



Processor		Ports & interfaces	
Processor manufacturer *	Intel	Line-out	✓
Processor family *	Intel® Core™ i7	Line-in	✓
Processor generation	8th gen Intel® Core™ i7	Combo headphone/mic port	✓
Processor model *	i7-8700	DC-in jack	✓
Processor cores	6	Serial ports quantity	1
Processor threads	12	Design	
Processor boost frequency	4,6 GHz	Chassis type *	SFF
Processor frequency *	3,2 GHz	Volume	8,4 L
Processor socket	LGA 1151 (Socket H4)	Placement supported	Horizontal/Vertical
Processor cache	12 MB	Product color *	Black
Processor cache type	Smart Cache	Performance	
System bus rate	8 GT/s	Market positioning	Business
Bus type	DMI3	Motherboard chipset	Intel Q370
Processor lithography	14 nm	Audio chip	Realtek ALC233VB2
Processor operating modes	64-bit	Audio system	High Definition Audio
Processor series	Intel Core i7-8700 Desktop Series	Password protection	✓
Processor codename	Coffee Lake	Password protection type	Power on, Supervisor
Thermal Design Power (TDP)	65 W	Trusted Platform Module (TPM)	✓
Tjunction	100 °C	Product type *	PC
PCI Express slots version	3.0	Software	
Maximum number of PCI Express lanes	16	Operating system architecture	64-bit
PCI Express configurations	1x16, 1x8+2x4, 2x8	Operating system installed *	Windows 10 Pro
Number of processors installed	1	Processor special features	
Maximum internal memory supported by processor	64 GB	Intel 64	✓
Memory types supported by processor	DDR4-SDRAM	Enhanced Intel SpeedStep Technology	✓
Memory clock speeds supported by processor	2666 MHz	Embedded options available	✓
Memory bandwidth supported by processor (max)	41,6 GB/s	Intel® InTru™ 3D Technology	✓
Memory		Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Internal memory *	16 GB	Intel Clear Video Technology	✓
Maximum internal memory *	64 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory type	DDR4-SDRAM	Intel TSX-NI	✓
Memory layout (slots x size)	1 x 16 GB	Idle States	✓
Memory slots	4x DIMM		

Memory		Processor special features	
Non-ECC	✓	Thermal Monitoring Technologies	✓
Storage		Intel Stable Image Platform Program (SIPP)	✓
Total storage capacity *	256 GB	Intel® AES New Instructions (Intel® AES-NI)	✓
Storage media *	SSD	Intel® Secure Key	✓
Optical drive type *	DVD±RW	Intel® OS Guard	✓
Number of storage drives installed	1	Intel Trusted Execution Technology	✓
Number of SSDs installed	1	Execute Disable Bit	✓
Card reader integrated	✗	Intel Enhanced Halt State	✓
Graphics		Intel Software Guard Extensions (Intel SGX)	✓
Discrete graphics card *	✗	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
On-board graphics card *	✓	Processor package size	37.5 x 37.5 mm
Discrete graphics card model *	Not available	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
On-board graphics card family	Intel® UHD Graphics	Processor code	SR3QS
On-board graphics card model *	Intel® UHD Graphics 630	Scalability	1S
On-board graphics card base frequency	350 MHz	CPU configuration (max)	1
On-board graphics card dynamic frequency (max)	1200 MHz	Thermal solution specification	PCG 2015C
Maximum on-board graphics card memory	64 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Number of displays supported (on-board graphics)	3	Intel Identity Protection Technology version	1,00
On-board graphics card DirectX version	12.0	Intel Stable Image Platform Program (SIPP) version	1,00
On-board graphics card OpenGL version	4.5	Intel Secure Key Technology version	1,00
On-board graphics card ID	0x3E92	Intel Virtualization Technology (VT-x)	✓
Number of execution units	24	Intel TSX-NI version	1,00
Network		Processor ARK ID	126686
Ethernet LAN *	✓	Intel® Turbo Boost Technology	2.0
Ethernet LAN data rates	10,100,1000 Mbit/s	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Cabling technology	10/100/1000Base-T(X)	Intel® Quick Sync Video Technology	✓
Wi-Fi *	✓	Intel® Identity Protection Technology (Intel® IPT)	✓
Top Wi-Fi standard	Wi-Fi 5 (802.11ac)	Conflict-Free processor	✓
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Power	
WLAN controller model	Intel Dual Band Wireless-AC 9560	Power supply *	210 W
Antenna type	2x2	Certificates	
Bluetooth	✓	Compliance certificates	RoHS
Bluetooth version	5.0	Sustainability	
Ports & interfaces		Sustainability certificates	ENERGY STAR
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	6	Weight & dimensions	
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Width *	92,5 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Depth *	290,5 mm
VGA (D-Sub) ports quantity	1	Height *	343,5 mm
DVI port	✗	Weight *	6 kg
DisplayPorts quantity	2	Display	
Ethernet LAN (RJ-45) ports	1	Display included *	✗
Microphone in	✓		
Headphone outputs	1		



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