

ThinkCentre M920 SFF Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 8th / 9th Gen Intel Core™ i3 / i5 / i7 / i9 Processor						Audio support	High Definition (HD) Audio, Realtek ALC233VB2 / internal speaker (2 watt)	
	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics	WLAN	<i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8821CE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8822BE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.2 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.2 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Wireless-AC 9560 (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, Intel vPro technology support, 2x2	
	Celeron G4900	2 / 2	3.1G	2 MB	DDR4-2400	UHD 610	Bluetooth Ethernet Ethernet (Opt.)	<i>Some:</i> Bluetooth 4.2/5.0 wireless, integrated in Wi-Fi + BT combo adapter	
	Celeron G4920	2 / 2	3.2G	2 MB	DDR4-2400	UHD 610		Gigabit ethernet, Intel Ethernet Connection I219-LM(Jacksonville), Wake on LAN®	
	Celeron G4930	2 / 2	3.2G	2 MB	DDR4-2400	UHD 610		<i>Some:</i> Intel Ethernet Server Adapter I350-T4, gigabit ethernet, 4x RJ-45, PCIe x4	
	Celeron G4950	2 / 2	3.3G	2 MB	DDR4-2400	UHD 610	Manageability	<i>Some:</i> Bitland BN8E88, gigabit ethernet, 1x RJ-45, PCIe x1 (special bid only)	
	Pentium Gold G5400	2 / 4	3.7G	4 MB	DDR4-2400	UHD 610		Intel Active Management Technology 12 (Intel AMT 12); Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)	
	Pentium Gold G5500	2 / 4	3.8G	4 MB	DDR4-2400	UHD 630		Discrete TPM 2.0, TCG Certified	
	Pentium Gold G5600	2 / 4	3.9G	4 MB	DDR4-2400	UHD 630	Security chip		
	Pentium Gold G5420	2 / 4	3.8G	4 MB	DDR4-2400	UHD 610			
	Pentium Gold G5620	2 / 4	4.0G	4 MB	DDR4-2400	UHD 630			
	Core i3-8100	4 / 4	3.6G	6 MB	DDR4-2400	UHD 630	Security features	- Security slot (in rear for optional Kensington® MicroSaver® cable) - Administrator password - Padlock loop - Hard disk password - Optional cable lock to physically lock both keyboard and mouse - Boot sequence control - Boot without keyboard and mouse - Optional chassis intrusion switch - Individual USB port disablement - Optional chassis E-Lock (special bid) - Smart USB protection, allows keyboard/mouse only, blocks all storage devices	
	Core i3-8300	4 / 4	3.7G	8 MB	DDR4-2400	UHD 630			
	Core i5-8400	6 / 6	2.8G / 4.0G	9 MB	DDR4-2666	UHD 630			
	Core i5-8500	6 / 6	3.0G / 4.1G	9 MB	DDR4-2666	UHD 630	Keyboard	<i>Some:</i> Lenovo Calliope Keyboard (USB connector), black	
	Core i5-8600	6 / 6	3.1G / 4.3G	9 MB	DDR4-2666	UHD 630		<i>Some:</i> Lenovo Traditional Keyboard (USB connector), black	
	Core i7-8700	6 / 12	3.2G / 4.6G	12 MB	DDR4-2666	UHD 630		<i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black	
	Core i3-9100	4 / 4	3.6G / 4.2G	6 MB	DDR4-2400	UHD 630	Mouse	<i>Some:</i> Lenovo Keyboard (PS/2 connector), black (only available via special bid)	
	Core i3-9300	4 / 4	3.7G / 4.3G	8 MB	DDR4-2400	UHD 630		<i>Some:</i> Lenovo Calliope Mouse (USB connector), black	
	Core i3-9320	4 / 4	3.7G / 4.4G	8 MB	DDR4-2400	UHD 630		<i>Some:</i> Lenovo FingerPrint Mouse (USB connector), Windows Hello support, black	
	Core i5-9400	6 / 6	2.9G / 4.1G	9 MB	DDR4-2666	UHD 630	Mechanical	<i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black	
	Core i5-9500	6 / 6	3.0G / 4.4G	9 MB	DDR4-2666	UHD 630		<i>Some:</i> Lenovo Mouse (PS/2 connector), black (only available via special bid)	
	Core i5-9600	6 / 6	3.1G / 4.6G	9 MB	DDR4-2666	UHD 630		- SFF (8.4L), black color, metal case (WxDxH) 3.6" X 11.4" X 13.5"; 92.5mm X 290.5mm X 343.5mm - Approx. 13.23 lb (6 kg), weight may vary by configuration - Toolless cover, disk, optical, extension card removal - Optional dust filter - Bay 1: Slim external ODD bay - Bay 2: 3.5", 1" high, internal, HDD/SSD - Bay 3: 2.5", internal, HDD/SSD (optional bay) - Slot 1: low-profile (length < 150mm, height < 68mm), PCIe 3.0 x16 - Slot 2: low-profile (length < 150mm, height < 68mm), PCIe 3.0 x1 - Slot 3: low-profile (length < 150mm, height < 68mm), PCIe 3.0 x16 (x4 signal) - Slot 4: no slot, only bracket for optional port extension - M.2 card slots: Two (one for WLAN, one for SSD/Optane) - Optional system floor stand for vertical orientation	
	Core i7-9700	8 / 8	3.0G / 4.7G	12 MB	DDR4-2666	UHD 630	Floor Stand		
	Core i9-9900	8 / 16	3.1G / 5.0G	16 MB	DDR4-2666	UHD 630			
Memory	64GB max, DDR4-2666*, four 288-pin DIMM sockets, dual-channel capable * System automatically clocks down for the processors with lower memory controller						Power supply	<i>Some:</i> 180 watts, autosensing, 85% PSU <i>Some:</i> 210 watts, autosensing, 85% PSU <i>Some:</i> 260 watts, autosensing, 92% PSU (only available via special bid)	
Storage	<i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 5400 rpm or 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" <i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4*, 32Gb/s * 128GB SSD M.2 (2242) PCIe NVMe only supports PCIe 3.0 x 2, 16Gb/s <i>Some:</i> Intel Optane™ Memory (not support Celeron / Pentium Processor), M.2						Limited warranty	<i>Some:</i> 1-year or 3-year, depot service / service upgrades available <i>Some:</i> 1-year or 3-year, limited onsite service / service upgrades available	
Optical	<i>Some:</i> DVD-ROM, SATA 1.5Gb/s Drive, slim (9.0mm) <i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)						Preload	<i>Some:</i> Windows® 10 Pro 64-bit <i>Some:</i> Windows 10 Home 64-bit	
Onboard SATA	Four onboard SATA 6.0Gb/s connectors, RAID 0/1 support (RAID preset only available via special bid model)						Environment	ENERGY STAR® 6.1, EPEAT™ Silver rating (North America), ErP Lot 3, TCO, TUV low noise verified (coming soon, on some models), RoHS-compliant	
Media reader	Optional 7-in-1 media reader						Accessories	For compatible accessories, please go to http://smartfind.lenovo.com	
Graphics	Intel UHD Graphics 610/630 in processor, uses main memory, DirectX® 12, one VGA (up to 2048x1536@50Hz), two DisplayPort™ (up to 4096x2304@60Hz), supports 3 independent displays, more displays support via discrete graphics <i>Some:</i> NVIDIA GeForce® GT 730 (End Of Life), DirectX 12, 2GB GDDR5, PCIe 2.0 x16, 35 watts, two DisplayPort (up to 3840x2160@60Hz) <i>Some:</i> AMD Radeon™ 520, DirectX 12, 2GB GDDR5, PCIe 3.0 x8, 30 watts, two DisplayPort (up to 4096x2160@60Hz)								
Monitor cable	Optional DP to VGA dongle, DP to DVI-D dongle, DP to dual DP dongle (for Collage Display with intel integrated graphics), or DP to HDMI 1.4 dongle								
Chipset	Intel Q370 Chipset								
Front ports* (Std.)	2x USB 3.1 Gen2, 2x USB 3.1 Gen1, 1x USB 3.1 Type-C Gen1 (15W charging), 1x microphone (3.5mm), 1x headphone / microphone combo jack (3.5mm)								
Front ports* (Opt.)	Optional: 1x media reader								
Rear ports* (Std.)	4x USB 3.1 Gen1, 1x serial (9-pin), 1x ethernet (RJ-45), 1x VGA, 2x DisplayPort, 1x line-out (3.5mm)								
Rear ports* (Opt.)	Optional: 2x USB 2.0, 2x USB 3.1 Gen1 via PCIe x1, 2x USB 3.1 Type-C Gen2 via PCIe x4 (special bid only), 1x 2nd serial (9-pin), 4x serial (9-pin) via PCIe x1, 1x parallel (25-pin), 2x PS/2 ports (keyboard/mouse), 1x Thunderbolt 3 (combo USB3.1 Type-C Gen 2 / DisplayPort) via PCIe x4 (available on 09/30/2018), additional RJ-45 and video ports available on optional graphics or ethernet card								
* Depending on many factors, actual data transfer speed may be lower than theoretical speed									

Note: The specifications above may not be available in all regions.

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