

ThinkCentre M70s Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 10th Gen Intel Core™ i3 / i5 / i7 / i9 Processor						WLAN Bluetooth Ethernet Ethernet (Opt.) Manageability Security chip Security features Keyboard Mouse Mechanical Bays Slots Floor Stand EOU design Power supply Limited warranty Preload Environment Accessories
	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics	
	Celeron G5900	2 / 2	3.4G	2 MB	DDR4-2666	UHD 610	
	Celeron G5920	2 / 2	3.5G	2 MB	DDR4-2666	UHD 610	
	Pentium Gold G6400	2 / 4	4.0G	4 MB	DDR4-2666	UHD 610	
	Pentium Gold G6500	2 / 4	4.1G	4 MB	DDR4-2666	UHD 630	
	Pentium Gold G6600	2 / 4	4.2G	4 MB	DDR4-2666	UHD 630	
	Core i3-10100	4 / 8	3.6G / 4.3G	6 MB	DDR4-2666	UHD 630	
	Core i3-10300	4 / 8	3.7G / 4.4G	8 MB	DDR4-2666	UHD 630	
	Core i3-10320	4 / 8	3.8G / 4.6G	8 MB	DDR4-2666	UHD 630	
	Core i5-10400F	6 / 12	2.9G / 4.3G	12 MB	DDR4-2666	None	
	Core i5-10400	6 / 12	2.9G / 4.3G	12 MB	DDR4-2666	UHD 630	
	Core i5-10500	6 / 12	3.1G / 4.5G	12 MB	DDR4-2666	UHD 630	
	Core i5-10600	6 / 12	3.3G / 4.8G	12 MB	DDR4-2666	UHD 630	
	Core i7-10700F	8 / 16	2.9G / 4.8G	16 MB	DDR4-2933	None	
	Core i7-10700	8 / 16	2.9G / 4.8G	16 MB	DDR4-2933	UHD 630	
	Core i9-10900F	10 / 20	2.8G / 5.2G	20 MB	DDR4-2933	None	
Core i9-10900	10 / 20	2.8G / 5.2G	20 MB	DDR4-2933	UHD 630		
* Max frequency may refer to Intel Turbo Boost Technology 2.0 / Intel Turbo Boost Max Technology 3.0 / Intel Thermal Velocity Boost, and adopt the max one of them							
Memory	128GB max, DDR4-3200*, four 288-pin DIMM sockets, dual-channel capable * System automatically clocks down for the processors with lower memory controller						
Storage	Support up to 2x HDD ([2.5" + 3.5"] or [dual 2.5"]) and up to 1x M2.SSD <i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 7200 rpm <i>Some:</i> M.2 SSD (2242 / 2280) / PCIe NVMe, PCIe 3.0 x2 or PCIe 3.0 x4 <i>Some:</i> Intel Optane™ Memory M10, M.2 2280, PCIe 3.0 x2 <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)						
Optical	Three onboard SATA 6.0Gb/s connectors Optional 3-in-1 media reader (support SD, SDHC, and SDXC)						
Onboard SATA Media reader	Optional 3-in-1 media reader (support SD, SDHC, and SDXC)						
Graphics	Intel UHD Graphics 610/630 in some processors, uses main memory, DirectX® 12, two DisplayPort™, one HDMI, supports up to 3 independent displays, more displays support via discrete graphics Max resolution: 4096x2304 (DP)@60Hz; 1920x1080 (HDMI)@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 H470 Chipset						
Front ports* (Std.)	2x USB 3.2 Gen 2, 2x USB 3.2 Gen 1, 1x USB 3.2 Type-C Gen 1 (15W charging), 1x microphone (3.5mm), 1x headphone / microphone combo jack (3.5mm)						
Front ports* (Opt.)	Optional: 3-in-1 media reader						
Rear ports* (Std.)	4x USB 2.0, 1x serial (9-pin), 1x ethernet (RJ-45), 2x DisplayPort**, 1x HDMI**, 1x line-out (3.5mm)						
Rear ports* (Opt.)	Optional: 2x USB 3.2 Gen 1 via PCIe x1, 2x USB 3.2 Type-C Gen 2 via PCIe x4, 1x 2nd serial (9-pin), 4x serial (9-pin) via PCIe x1, 1x parallel (25-pin), 2x PS/2 ports (keyboard/mouse), 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 ** Only available for the models with integrated graphics						
Audio support	High Definition (HD) Audio, Realtek ALC623-CG / internal speaker (2 watt)						
<p><i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8822CE (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, 2x2</p> <p><i>Some:</i> 11ac wireless, M.2 Card, Intel Wireless-AC 9462 (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, 1x1 (special bid only)</p> <p><i>Some:</i> 11ac wireless, M.2 Card, Intel Wireless-AC 9560 (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, 2x2</p> <p><i>Some:</i> 11ax wireless, M.2 Card, Intel Wi-Fi 6 AX201 (dual band), Wi-Fi + Bluetooth 5.1 combo adapter, 2x2</p> <p><i>Some:</i> Bluetooth 5.0/5.1 wireless, integrated in Wi-Fi + BT combo adapter</p> <p>Gigabit ethernet, Intel Ethernet Connection I219-V(Jacksonville), Wake on LAN®</p> <p><i>Some:</i> Intel Ethernet Server Adapter I350-T4, gigabit ethernet, 4x RJ-45, PCIe x4</p> <p><i>Some:</i> Bitland BN8E88, gigabit ethernet, 1x RJ-45, PCIe x1</p>							
<p>None</p> <p>Discrete TPM 2.0, TCG Certified</p>							
<ul style="list-style-type: none"> • Security slot (for Kensington® lock) • Padlock loop • Optional Smart Cable Clip to physically lock keyboard and mouse • Optional chassis intrusion switch • Optional chassis E-Lock • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard and mouse • Individual USB port disablement • Smart USB protection, allows keyboard/mouse only, blocks all storage devices 							
<p><i>Some:</i> Lenovo Calliope Keyboard (USB connector), black</p> <p><i>Some:</i> Lenovo Traditional Keyboard (USB connector), black</p> <p><i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black</p> <p><i>Some:</i> Lenovo Calliope Mouse (USB connector), black</p> <p><i>Some:</i> Lenovo Fingerprint Mouse (USB connector), Windows Hello support, black</p> <p><i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black</p>							
<ul style="list-style-type: none"> • SFF (8.2L), black color, metal case • Dimensins with bezel & PCI holder & rubber foot: (WxDxH) 3.6" X 11.7" X 13.4"; 93mm X 298mm X 340mm • Weight (approx.): 11.7 lb (5.3 kg), weight may vary by configuration <p>Bay 1: Slim ODD bay Bay 2: 3.5" HDD bay Bay 3: 2.5" HDD bay (optional bay, or bay comes with disk)</p> <p>Slot 1: low-profile (length < 155mm, height < 68mm), PCIe 3.0 x16 Slot 2: low-profile (length < 155mm, height < 68mm), PCIe 3.0 x1 Slot 3: no slot, only bracket for optional port extension Slot 4: no slot, only bracket for optional port extension M.2 card slots: two (one for WLAN, one for SSD/Optane)</p> <p>Optional system floor stand for vertical orientation Toolless cover, disk, optical, extension card removal</p>							
<p><i>Some:</i> 180 watts, autosensing, 85% PSU</p> <p><i>Some:</i> 260 watts, autosensing, 85% PSU</p> <p><i>Some:</i> 310 watts, autosensing, 92% PSU</p> <p><i>Some:</i> 380 watts, autosensing, 92% PSU</p> <p>* Discrete graphics card / 10-core processors need > 180w power supply</p>							
<p><i>Some:</i> 1-year, depot service / service upgrades available</p> <p><i>Some:</i> 1-year or 3-year, limited onsite service / service upgrades available</p>							
<p><i>Some:</i> Windows® 10 Pro 64-bit</p> <p><i>Some:</i> Windows 10 Home 64-bit</p> <p><i>Some:</i> Windows 10 IoT Enterprise (only available via special bid model)</p>							
<p>ENERGY STAR® 8.0*, EPEAT™ Silver rating*, ErP Lot 3, TCO (coming soon), TUV low noise verified (on some models), RoHS-compliant</p> <p>* Only available for MT 11DB/11DC</p>							
For compatible accessories, please go to http://smartfind.lenovo.com							

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

Lenovo, May 2020