

# ThinkCentre M90a Platform Specifications

Processor	Intel® Celeron®, Intel Pentium®, or 10th Gen Intel Core™ i3 / i5 / i7 / i9 Processor						Bluetooth™ Ethernet	<i>Some:</i> Bluetooth 5.0/5.1 wireless, integrated in Wi-Fi + BT combo adapter Gigabit ethernet, Intel Ethernet Connection I219-LM (Jacksonville), Wake on LAN®																																																																														
	Processor	Cores / Threads	Frequency Base/Max*(GHz)	Cache	Memory Support (Up to)	Integrated Graphics	Manageability	Intel Active Management Technology 14.0 (Intel AMT 14.0); Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection) Discrete TPM 2.0, TCG Certified																																																																														
	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 i5-10400	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 i7-10700	8 / 16	2.9G / 4.8G	16 MB	DDR4-2933	UHD 630																																																																																
Core i9-10900	10 / 20	2.8G / 5.2G	20 MB	DDR4-2933	UHD 630																																																																																	
Memory	64GB max (32GB SO-DIMM only available via special bid models), DDR4-3200*, two 260-pin SO-DIMM sockets, dual-channel capable <i>* System automatically clocks down for the processors with lower memory controller</i>						Keyboard	<i>Some:</i> Lenovo Calliope Keyboard (USB connector), black																																																																														
	Storage							Mouse	<i>Some:</i> Lenovo Traditional Keyboard (USB connector), black																																																																													
									Optical						Mechanical	<i>Some:</i> Lenovo Calliope Mouse (USB connector), black																																																																						
																Media reader						Privacy Gaurd	<i>Some:</i> Lenovo Calliope Mouse (USB connector), black																																																															
																							Graphics						ODD	<i>Some:</i> Lenovo Calliope Mouse (USB connector), black																																																								
																														Monitor Cable						Dimensions (WxDxH)	<i>Some:</i> Lenovo Calliope Mouse (USB connector), black																																																	
																																					Display						Approx weight (lb / kg)	<i>Some:</i> Lenovo Calliope Mouse (USB connector), black																																										
																																												Multi-touch						Without stand (with camera):																																				
																																																		Camera						21.3" x 1.8" x 13.4" / 541 x 46 x 340.5 (mm)																														
																																																								Controls						21.3" x 2.3" x 13.4" / 541 x 57.8 x 340.5 (mm)																								
																																																														Chipset						21.3" x 1.9" x 13.4" / 541 x 49.5 x 340.5 (mm)																		
																																																																				Rear ports*						21.3" x 2.4" x 13.4" / 541 x 61.3 x 340.5 (mm)												
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																																																																																M.2 card slot						21.3" x 7.9" x 16.3" to 19.5" / 541 x 200 x 414.2 to 494.2 (mm)
Audio support							Lowest in flat mode: 21.3" x 12.3" x 9.0" / 541 x 312.8 x 227.4 (mm)																																																																															
						WLAN																																																																																Highest in vertical mode: 21.3" x 9.2" x 18.4" / 541 x 232.7 x 467.7 (mm)
												Accessories																																																																										Lowest in flat mode: 21.3" x 12.3" x 9.1" / 541 x 312.8 x 230.5 (mm)
																		Note: The specifications above may not be available in all regions.																																																																				Highest in vertical mode: 21.3" x 9.2" x 18.4" / 541 x 232.7 x 467.7 (mm)
																								Lenovo, May 2020																																																														Note: Camera adds 14.5mm in height (Vertical mode)
																																				<i>Some:</i> Full Function Monitor stand, Tilt: 30° back, -5° forward; Lift: 80mm																																																		
																																										<i>Some:</i> UltraFlex IV stand, Tilt: 70° back, -5° forward; Lift: up to 115mm (vertical mode) / 164mm (flat mode)																																												
																																																<i>Some:</i> 150 watts adapter, autosensing, 89% PSU																																						
																																																						<i>Some:</i> 170 watts adapter, autosensing, 89% PSU																																
																																																												Limited warranty <sup>3</sup> <b>1-year or 3-year, limited onsite service</b> / service upgrades available																										
																																																																		Preload <i>Some:</i> Windows® 10 Pro 64-bit <i>Some:</i> Windows 10 Home 64-bit <i>Some:</i> Windows 10 IoT Enterprise (only available via special bid model)																				
																																																																								Environment ENERGY STAR® 8.0*, EPEAT™ Silver rating*, ErP Lot 3, TCO 8.0, TCO Edge, TUV Eye comfort certified, TUV Low Blue Light certified, TUV Ultra Low Noise certified (on some models), RoHS-compliant <i>* Only available for MT 11CD/11CE</i>														
																																																																														MIL-SPEC test MIL-STD-810H military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus, Solar Radiation)								
																																																																																				For compatible accessories, please go to <a href="http://smartfind.lenovo.com">http://smartfind.lenovo.com</a>		