ThinkCentre M90n-1 Nano Platform Specifications

Processor	Intel® 8th Generation Intel Core™ i3 / i5 / i7 Processor						Manageability	Intel vPro technology on some models (require choosing a vPro-support Wi-Fi			
	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics	Security chip	adapter to enable vPro function through wireless connection) Discrete TPM 2.0, TCG Certified			
	Core i3-8145U	2/4	2.1G / 3.9G	4 MB	DDR4-2400	UHD 620	Security features	Kensington® MicroSaver® cable)		Boot sequence control Boot without keyboard and mouse Individual USB port disablement	
	Core i5-8265U	4/8	1.6G / 3.9G	6 MB	DDR4-2400	UHD 620					
	Core i5-8365U	4/8	1.6G / 4.1G	6 MB	DDR4-2400	UHD 620		Power-on password			tection, allows keyboard/
	Core i7-8665U	4/8	1.9G / 4.8G	8 MB	DDR4-2400	UHD 620		 Administrator password mouse only, blocks all storage dev 			
Memory	8GB or 16GB / DDR4-2666* / soldered to systemboard, no sockets, non-ECC * System automatically clocks down for the processors with lower memory controller						Keyboard	Hard disk password Some: Lenovo Calliope Keyboard (USB connector), black Some: Lenovo Traditional Keyboard (USB connector), black Some: Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black Some: Lenovo Calliope Mouse (USB connector), black Some: Lenovo Fingerprint Mouse (USB connector), Windows Hello support, black Some: Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black			
Storage	Support up to two M.2 SSD Some: M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4* Some: M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2 Some: Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4 (not support Celeron)						Mouse				
RAID Optical							Mechanical	Nano (0.35L), black color; metal case Three M.2 slots: two for M.2 SSD (one PCle 3.0 x4 and one PCle 3.0 x2) and one for WLAN			
Graphics	Intel UHD Graphics 620 in processor, uses main memory, DirectX® 12, one								Dimension	ns (WxDxH)	Weight (Approx.)
	DisplayPort™, one USB 3.1 Type-C Gen2 with display function, up to 2 independe displays;					ndependent		M90n-1 Nano (with fan, 0.35L)	7.05" X 3.	46" X 0.87" 8mm X 22mm	1.11 lb (0.505 kg), vary by config
Monitor cable	Max resolution: 4096x2304 (DP)@60Hz; 4096x2304 (Type-C)@60Hz; Optional DP to VGA dongle, DP to HDMI dongle, Type-C to VGA dongle, Type-C to HDMI dongle, Type-C to DP dongle						Mounting	Some: VESA mount bracket kit, supports VESA 75mm Some: VESA mount bracket kit with adaper holder, supports VESA 75mm Some: DIN rail mount bracket kit None			
Chipset	Intel SoC (System on Chip) platform						Floor Stand				
Front ports (Std.)*2x USB 3.1 Gen2, 1x USB 3.1 Type-C Gen 2, one headphone / microphone combo											
jack (3.5mm) Rear ports (Std.)* 2x USB 3.1 Gen2, 1x USB 3.1 Type-C Gen 2 (with display function, support						Power supply Limited warranty	65 watts AC/DC adapter, autosensing, 88% PSU (Not for TIO models) Some: 1-year, limited onsite service / service upgrades available				
	power-in [20V and >45W]), 1x ethernet (RJ-45), 1x DisplayPort * Depending on many factors, actual data transfer speed may be lower than theoretical speed						Limited warranty	Some: 3-year, limited onsite service / service upgrades available			
Audio aupport							Preload	Preloaded operating system Some: Windows® 10 Pro 64-bit Some: Windows 10 Home 64-bit			
Audio support WLAN	Some: 11ac wireless, M.2 Card, Realtek RTL8822CE (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, 1x1 Some: 11ac wireless, M.2 Card, Realtek RTL8822CE (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Wireless-AC 9462 (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, 1x1 Some: 11ac wireless, M.2 Card, Intel Wireless-AC 9560 (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Wireless-AC 9560 (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, 1x1						_				
							Environment	ENERGY STAR® 7.1, EPEAT™ Silver rating (North America), ErP Lot 3, TCO 8.0, TUV ultra low noise verified (on some models), RoHS, WEEE, REACH			
							MIL-SPEC test	MIL-STD-810H (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Solar Radiation)			
							Accessories	For compatible accessories, please go to http://smartfind.lenovo.com			
Bluetooth Ethernet	Some: Bluetooth 5.0 Gigabit ethernet, Inte	wireless,	integrated in Wi-	-Fi + BT	combo adapter						
Note: The enecified	ations above may not be	ovejleble.	in all regions								Lenovo July 2019