ThinkCentre M90n-1 Nano IoT 11AH000WMC

Product ThinkCentre M90n-1 Nano IoT

Region EET

Country/Region Czech Republic

Machine Type 11AH

TopSeller TopSeller

Processor Intel Core i3-8145U (2C / 4T, 2.1 / 3.9GHz, 4MB)

Chipset Intel SoC platform

Graphics Integrated Intel UHD Graphics 620

Memory 4GB Soldered DDR4-2666

Storage 128GB SSD M.2 2242 PCIe NVMe

Optical None

Speaker 1Wx1

Ethernet RTL8111K + RTL8111HN, 2x RJ45

WLAN + Bluetooth Intel 9560 11ac, 2x2 + BT5.0

I/O Box None

Chassis Intrusion Switch Chassis Intrusion Switch

Kensington Cable Lock None

Adapter Cage None

Dust Filter None

VESA Mount

VESA Mount

Color Black

Stand None

Keyboard Calliope Wireless Keyboard, Czech

Mouse Calliope Wireless Mouse

Power Supply 65W 88% Adapter

TUV Low Noise None

Monitor Cable None

System Management None

Operating System Windows 10 Pro 64, Czech / English

Bundled Software

Base Warranty 3-year, Onsite

Bundled Service

EAN / UPC 0193638404453

End of Support 2025-08-02

Announce Date 2019-07-02

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ThinkCentre M90n-1 Nano IoT Platform Specifications

Product Specifications Reference (PSREF)

Lenovo

Processor	Intel [®] Celeron [®] or 8th Generation Intel Core™ i3 Processor						Manageability	None				
	Processor	Cores /	Frequency	Cache	Memory Support		Security chip	Discrete TPM 2.0, TCG Certified				
		Threads	Base/Max(GHz)		(Up to)	Graphics	Security features	Kensington [®] MicroSaver [®] cable) • Boot with			 Boot sequence control Boot without keyboard and mouse Individual USB port disablement 	
	Celeron 4205U	2/2	1.8G 2.1G / 3.9G	2 MB	DDR4-2133 DDR4-2400	UHD 610				 Boot without ke Individual USB 		
	Core i3-8145U	2/4		4 MB		UHD 620	4	Power-on password				
Memory	4GB / DDR4-2666* / soldered to systemboard, no sockets, non-ECC • Administrator password • Hard disk password • Hard disk password • Other than the processors with lower memory controller											
Storage	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) * M.2 SSD / Optane with SSD in PCIe 3.0 x 2 M.2 slot can only run at PCIe 3.0 x2						Keyboard Mouse	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				
Optical Graphics	RAID 0/1 support (RAID preset only available via special bid model) None Intel UHD Graphics 610/620 in processor, uses main memory, DirectX [®] 12, one						Mechanical	Nano (fanless 0.55L), black color; metal case Four M.2 slots: two for M.2 SSD (one PCIe 3.0 x4 and one PCIe 3.0 x2), one for WLAN, and one for WWAN Dimensions (WxDxH) Weight (Approx.)				
Chapmes	DisplayPort™, one USB 3.1 Type-C Gen2 with display function, up to 2 independent displays; <i>Max resolution:</i> 4096x2304 (DP)@60Hz; 4096x2304 (Type-C)@60Hz; Optional DP to VGA dongle, DP to HDMI dongle, Type-C to VGA dongle, Type-C to											
								M90n-1 Nano IoT		.46" X 1.36"	Weight (Approx.) 1.58 lb (0.72 kg),	
Monitor cable								(fanless, 0.55L)	179mm X 88	3mm X 34.5mm	vary by config	
Chipset	HDMI dongle, Type-C to DP dongle Intel SoC (System on Chip) platform						-	With I/O box		3.46" X 2.41" 3mm X 61.3mm	2.65 lb (1.2 kg), vary by config	
Front ports (Std.)	nt ports (Std.)* 2x USB 3.1 Gen2, 1x USB 3.1 Type-C Gen 2, one headphone / microphone combo							Some: VESA mount bracket kit, supports VESA 75mm				
Rear ports (Std.)	 jack (3.5mm), 2x serial * With Celeron: 1x USB 2.0, 1x USB 3.1 Type-C Gen 2 (with display function, support power-in [20V, > 45W]), 1x ethernet (RJ-45), 1x DisplayPort With Core i3: 1x USB 3.1 Gen2, 1x USB 3.1 Type-C Gen 2 (with display function, support power-in [20V, > 45W]), 2x ethernet (RJ-45), 1x DisplayPort Optional I/O box, connect to the USB 3.1 Type-C Gen 2 port of M90n-1 Nano, extends 2x serial, 2x ethernet (RJ-45, I/O box is equipped with Realtek RTL8153B, gigabit ethernet), 1x DI (Digital Input) connector, 1x DO (Digital Output) connector 						Floor Stand	Some: VESA mount bracket kit with adaper holder, supports VESA 75mm Some: DIN rail mount bracket kit None				
I/O box*							Power supply	 Some: 65 watts AC/DC adapter*, autosensing, 88% PSU Some: 65 watts AC/DC adapter (wide temperature)*, autosensing, 88% PSU (only for Machine Type 11AS) * Not for the models with I/O box 				
Audio support	* Depending on many factors, actual data transfer speed may be lower than theoretical speed Realtek ALC233VB / internal speaker (1watt)						Limited warranty	Some: 1-year, limited onsite service / service upgrades available Some: 3-year, limited onsite service / service upgrades available				
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 						Preload	Preloaded operating system Some: Windows [®] 10 Pro 64-bit Some: Windows 10 Home 64-bit Some: Windows 10 IoT Enterprise (only available via special bid model) 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 * Not for the models with I/O box				
							Environment					
Bluetooth							MIL-SPEC test	MIL-STD-810H* (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Solar Radiation) * Not for the models with I/O box				
Ethernet							Accessories	For compatible accessories, please go to http://smartfind.lenovo.com				

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

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