

# ThinkCentre M90n-1 Nano 11AD000VHX

**Product**

ThinkCentre M90n-1 Nano

**Region**

EET

**Country/Region**

Hungary

**Machine Type**

11AD

**TopSeller**

TopSeller

**Processor**

Intel Core i5-8365U (4C / 8T, 1.6 / 4.1GHz, 6MB)

**Chipset**

Intel SoC platform

**Graphics**

Integrated Intel UHD Graphics 620

**Memory**

8GB Soldered DDR4-2666

**Storage**

1x 256GB SSD M.2 2280 PCIe NVMe Opal2

**Optical**

None

**Speaker**

1Wx1

**Ethernet**

Intel I219-LM, 1x RJ45

**WLAN + Bluetooth**

Intel 9560 11ac, 2x2 + BT5.0, vPro

**Chassis Intrusion Switch**

Chassis Intrusion Switch

**Kensington Cable Lock**

None

**Adapter Cage**

None

**Dust Filter**

None

**VESA Mount**

None

**Color**

Black

**Stand**

None

**Keyboard**

Calliope Wireless Keyboard, Black, Hungarian

**Mouse**

Calliope Wireless Mouse

**Power Supply**

65W 88% Adapter

**TUV Low Noise**

None

**Monitor Cable**

None

**System Management**

Intel vPro

**Operating System**

Windows 10 Pro 64, Hungarian / English

**Bundled Software**

None

**Base Warranty**

3-year, Onsite

**Bundled Service**

None

**EAN / UPC / JAN**

0193638008132

**End of Support**

2025-08-02

**Announce Date**

2019-07-02



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# ThinkCentre M90n-1 Nano Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® 8th Generation Intel Core™ i3 / i5 / i7 Processor						Manageability	Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)		
	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics	Security chip	Discrete TPM 2.0, TCG Certified		
	Core i3-8145U	2 / 4	2.1G / 3.9G	4 MB	DDR4-2400	UHD 620	Security features	● Security slot (in rear for optional Kensington® MicroSaver® cable)		
	Core i5-8265U	4 / 8	1.6G / 3.9G	6 MB	DDR4-2400	UHD 620		● Chassis intrusion switch		
	Core i5-8365U	4 / 8	1.6G / 4.1G	6 MB	DDR4-2400	UHD 620		● Power-on password		
	Core i7-8665U	4 / 8	1.9G / 4.8G	8 MB	DDR4-2400	UHD 620		● Administrator password		
								● Hard disk password		
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	Some: Lenovo Calliope Keyboard (USB connector), 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) * M.2 SSD / Optane with SSD in PCIe 3.0 x 2 M.2 slot can only run at PCIe 3.0 x2 ** 128G M.2 2242 SSD not supported on Machine Type 11AM / 11AS / 11AK / 11AL RAID 0/1 support (RAID preset only available via special bid model) None						Mouse	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		
RAID							Mechanical	Nano (0.35L), black color; metal case Three M.2 slots: two for M.2 SSD (one PCIe 3.0 x4 and one PCIe 3.0 x2) and one for WLAN		
Optical									Dimensions (WxDxH)	Weight (Approx. )
Graphics	Intel UHD Graphics 620 in processor, uses main memory, DirectX® 12, one DisplayPort™, one USB 3.1 Type-C Gen2 with display function, up to 2 independent displays; 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							M90n-1 Nano (with fan, 0.35L)	7.05" X 3.46" X 0.87" 179mm X 88mm X 22mm	1.11 lb (0.505 kg), vary by config
Monitor cable							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		
Chipset	Intel SoC (System on Chip) platform						Floor Stand	None		
Front ports (Std.)*	2x USB 3.1 Gen2, 1x USB 3.1 Type-C Gen 2, one headphone / microphone combo jack (3.5mm)						Power supply	65 watts AC/DC adapter, autosensing, 88% PSU (Not for TIO models)		
Rear ports (Std.)*	2x USB 3.1 Gen2, 1x USB 3.1 Type-C Gen 2 (with display function, support 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: 1-year, limited onsite service / service upgrades available Some: 3-year, limited onsite service / service upgrades available		
Audio support	Realtek ALC233VB / internal speaker (1watt)						Preload	Preloaded operating system Some: Windows® 10 Pro 64-bit Some: Windows 10 Home 64-bit		
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, Intel vPro technology support, 2x2						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		
	Some: Bluetooth 5.0 wireless, integrated in Wi-Fi + BT combo adapter Gigabit ethernet, Intel Ethernet Connection I219-LM(Jacksonville), Wake on LAN®						MIL-SPEC test	MIL-STD-810H (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus, Solar Radiation)		
Bluetooth							Accessories	For compatible accessories, please go to <a href="http://smartfind.lenovo.com">http://smartfind.lenovo.com</a>		
Ethernet										

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

Lenovo, March 2020

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