

ThinkCentre M90n-1 Nano 11AD000UHX

Product

ThinkCentre M90n-1 Nano

Region

EET

Country/Region

Hungary

Machine Type

11AD

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

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

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

None

Operating System

Windows 10 Pro 64, Hungarian / English

Bundled Software

None

Base Warranty

3-year, Onsite

Bundled Service

None

EAN / UPC / JAN

0193638005834

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							
	Core i3-8145U	2 / 4	2.1G / 3.9G	4 MB	DDR4-2400	UHD 620							
	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							
Core i7-8665U	4 / 8	1.9G / 4.8G	8 MB	DDR4-2400	UHD 620								
Memory	8GB or 16GB / DDR4-2666* / soldered to systemboard, no sockets, non-ECC * System automatically clocks down for the processors with lower memory controller						Security chip Discrete TPM 2.0, TCG Certified Security features <ul style="list-style-type: none"> • Security slot (in rear for optional Kensington® MicroSaver® cable) • Chassis intrusion switch • 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 						
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												
RAID	None												
Optical	None												
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												
Monitor cable	None												
Chipset	Intel SoC (System on Chip) platform						Keyboard 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 Mouse 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 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 <table border="1"> <thead> <tr> <th></th> <th>Dimensions (WxDxH)</th> <th>Weight (Approx.)</th> </tr> </thead> <tbody> <tr> <td>M90n-1 Nano (with fan, 0.35L)</td> <td>7.05" X 3.46" X 0.87" 179mm X 88mm X 22mm</td> <td>1.11 lb (0.505 kg), vary by config</td> </tr> </tbody> </table> Mounting Some: VESA mount bracket kit, supports VESA 75mm Some: VESA mount bracket kit with adapter holder, supports VESA 75mm Some: DIN rail mount bracket kit Floor Stand None Power supply 65 watts AC/DC adapter, autosensing, 88% PSU (Not for TIO models) Limited warranty Some: 1-year, limited onsite service / service upgrades available Some: 3-year, limited onsite service / service upgrades available Preload Preloaded operating system Some: Windows® 10 Pro 64-bit Some: Windows 10 Home 64-bit 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, Fungus, Solar Radiation) Accessories For compatible accessories, please go to http://smartfind.lenovo.com		Dimensions (WxDxH)	Weight (Approx.)	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
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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											
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-in [20V and >45W]), 1x ethernet (RJ-45), 1x DisplayPort * Depending on many factors, actual data transfer speed may be lower than theoretical speed												
Audio support	Realtek ALC233VB / internal speaker (1watt)												
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, 2x2												
Bluetooth	Some: Bluetooth 5.0 wireless, integrated in Wi-Fi + BT combo adapter												
Ethernet	Gigabit ethernet, Intel Ethernet Connection I219-LM(Jacksonville), Wake on LAN®												

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

Lenovo, March 2020

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