ThinkCentre M90n-1 Nano 11AD0000EE

Product
ThinkCentre M90n-1 Nano

Region
EET

Country/Region
Hungary

Machine Type
11AD

TopSeller
TopSeller

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

Graphics
Integrated Intel UHD Graphics 620

Monitor Cable
None

Memory
8GB Soldered DDR4-2666

Storage
256GB SSD M.2 2280 PCIe x4 NVMe Opal

Optical
None

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

Ethernet
Intel I219-LM, 1x RJ45

Chassis Intrusion Switch
Chassis Intrusion Switch

Kensington Cable Lock
None

Adapter Cage
None

Speaker
1Wx1

Dust Filter
None

VESA Mount
None

Stand
None

Keyboard / Mouse
USB / USB

Power Supply
65W 88% Adapter

TUV Low Noise
None

System Management
Intel vPro

Operating System
Windows 10 Pro 64

Bundled Software
None

Base Warranty
1-year, Onsite

Upsell Service Bundles
None

End of Support
2025-08-02

Announce Date
2019-07-02

ThinkCentre M90n-1 Nano Platform Specifications

Lenovo

Processor	Intel® 8th Generation Intel Core™ i3 / i5 / i7 Processor					

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

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

RAID
RAID 0/1 support (RAID preset only available via special bid model)
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;

Monitor cable
Optional DP to VGA dongle, DP to HDMI dongle, Type-C to VGA dongle, Type-C to HDMI dongle, Type-C to DP dongle

Chipset
Intel SoC (System on Chip) platform

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, Intel vPro technology support, 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®

Manageability
Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)
Security chip
Discrete TPM 2.0, TCG Certified
Security features
● 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

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

	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

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
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, Solar Radiation)

Accessories
For compatible accessories, please go to **http://smartfind.lenovo.com**

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

ThinkCentre M90n-1 Nano