

ThinkCentre M90n-1 Nano 11AD002DGE

Product

ThinkCentre M90n-1 Nano

Region

WE

Country/Region

Germany

Machine Type

11AD

TopSeller

TopSeller

Processor

Core i5-8265U (4C / 8T, 1.6 / 3.9GHz, 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

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

2.4G / 2.4G

Power Supply

65W 88% Adapter

TUV Low Noise

None

System Management

None

Operating System

Windows 10 Pro 64

Bundled Software

None

Base Warranty

3-year, Onsite

Service Bundles

None

End of Support

2025-08-02

Announce Date

2019-07-02

Recommended Services**Better**

3Y Premier Support Upgrade from 3Y Onsite (5WS0V07841)

Good

5Y Onsite upgrade from 3Y Onsite (5WS0V07828)

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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 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 <ul style="list-style-type: none"> • Boot sequence control • Boot without keyboard and mouse • Individual USB port disablement • Smart USB protection, allows keyboard/mouse only, blocks all storage devices | | | | | |
| | 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 | | | | | | Keyboard <i>Some:</i> Lenovo Calliope Keyboard (USB connector), black <i>Some:</i> Lenovo Traditional Keyboard (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black Mouse <i>Some:</i> Lenovo Calliope Mouse (USB connector), black <i>Some:</i> Lenovo Fingerprint Mouse (USB connector), Windows Hello support, black <i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black | | | | | | |
| Storage | Support up to two M.2 SSD <i>Some:</i> M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4* <i>Some:</i> M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2 <i>Some:</i> 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) | | | | | | 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 | 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; <i>Max resolution:</i> 4096x2304 (DP)@60Hz; 4096x2304 (Type-C)@60Hz; | | | | | | <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> | | 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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| 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 | | | | | | Mounting <i>Some:</i> VESA mount bracket kit, supports VESA 75mm <i>Some:</i> VESA mount bracket kit with adapter holder, supports VESA 75mm <i>Some:</i> DIN rail mount bracket kit | | | | | | |
| Front ports (Std.)* | 2x USB 3.1 Gen2, 1x USB 3.1 Type-C Gen 2, one headphone / microphone combo jack (3.5mm) | | | | | | Floor Stand None | | | | | | |
| 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 | | | | | | Power supply 65 watts AC/DC adapter, autosensing, 88% PSU (Not for TIO models) | | | | | | |
| Audio support | Realtek ALC233VB / internal speaker (1 watt) | | | | | | Limited warranty <i>Some:</i> 1-year, limited onsite service / service upgrades available <i>Some:</i> 3-year, limited onsite service / service upgrades available | | | | | | |
| WLAN | <i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8822CE (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8822CE (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Wireless-AC 9462 (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Intel Wireless-AC 9560 (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Wireless-AC 9560 (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, Intel vPro technology support, 2x2 | | | | | | Preload Preloaded operating system <i>Some:</i> Windows® 10 Pro 64-bit <i>Some:</i> Windows 10 Home 64-bit | | | | | | |
| Bluetooth | <i>Some:</i> Bluetooth 5.0 wireless, integrated in Wi-Fi + BT combo adapter | | | | | | 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 | | | | | | |
| Ethernet | 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, Solar Radiation) | | | | | | |
| | | | | | | | Accessories For compatible accessories, please go to http://smartfind.lenovo.com | | | | | | |

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

Lenovo, July 2019

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