

ThinkCentre M90n-1 Nano IoT

PSREF

Product Specifications
Reference

PERFORMANCE

Processor^[1]

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

Graphics

Integrated Intel® UHD Graphics

Chipset

Intel® SoC Platform

Memory^[2]

8GB Soldered DDR4-2666

Memory Slots

Memory soldered to systemboard, no slots

Max Memory^[3]

8GB soldered memory, not upgradable

Storage

256GB SSD M.2 2280 PCIe® 3.0x4 NVMe® Opal

Storage Support^[4]

Up to two drives, 2x M.2 SSD

- M.2 SSD up to 1TB each
- Optional Intel® Optane™ Memory Integrated with SSD, M.2

Card Reader

No card reader

Optical

None

Audio Chip

High Definition (HD) Audio, Realtek® ALC233VB codec

Speakers

1Wx1

Power Supply

65W 88% Adapter (Wide Temperature)

DESIGN

Keyboard

USB Traditional Keyboard, Black, English

Mouse

USB Calliope Mouse, Black

Expansion Slots

Three M.2 slots (one for WLAN, two for SSD)

Case Color

Black

Stand

None

Adapter Cage

None

Dust Filter

None

Mounting

1x DIN Rail Mount

IO Box

None

Pen

Pen Not Supported

Form Factor

Nano (0.55L)

Dimensions (WxDxH)^[5]

179 x 88 x 34.5 mm (7.05 x 3.46 x 1.36 inches)

Weight^[6]

Around 0.72 kg (1.58 lbs)

CONNECTIVITY

Ethernet

Intel® I219-LM + RTL8111H, 2x RJ-45

WLAN + Bluetooth®

Intel® 9560, Wi-Fi® 5, 802.11ac 2x2 + BT5.0, vPro®

WWAN

Non-WWAN

Front Ports

- 1x USB-C® 3.2 Gen 2
- 2x USB 3.2 Gen 2
- 1x headphone / microphone combo jack (3.5mm)
- 2x serial (RS-232)

Rear Ports

- 1x USB-C® 3.2 Gen 2 (support display function and power-in [20V and >45W])
- 1x USB 3.2 Gen 2 (for i3 / i5 models only)
- 1x DisplayPort™ (for 4205U / 4305UE / 8145U / 8365U models)
- 2x Ethernet (RJ-45, for i3 / i5 models)

SECURITY & PRIVACY

Security Chip

Discrete TPM 2.0, TCG certified

Fingerprint Reader

No fingerprint reader

Physical Locks

Kensington® Security Slot™, 3 x 7 mm

Kensington® Cable Lock

None

Chassis Intrusion Switch

Chassis Intrusion Switch

MANAGEABILITY

System Management^[7]

Intel® vPro®

SERVICE

Base Warranty

1-year, Onsite

Included Upgrade

None

CERTIFICATIONS

Green Certifications^[8]

- ENERGY STAR® 8.0
- EPEAT™ Silver Registered
- ErP Lot 3
- REACH
- RoHS compliant
- TCO Certified 8.0
- WEEE

Mil-Spec Test

MIL-STD-810H military test passed (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus, Solar Radiation)

SOFTWARE

Operating System

Windows® 10 IoT Enterprise LTSC 2019, English

Bundled Software

None

ACCESSORIES

Bundled Accessories

None

MODEL

TopSeller : Yes

Announce Date : 2024-08-20

EAN / UPC / JAN : 198155138836

End of Support : 2027-02-02

Note:

[1] Intel Max Turbo frequency will vary depending on application workload and the hardware and software configurations, see

<http://www.intel.com/technology/turboboost/> for more information.

[2] Installed memory is actually DDR4-2666 but runs at DDR4-2133 or DDR4-2400 depending on the memory support capability of processor.

[3] The max memory is based on the test results with current Lenovo memory offerings.

[4] The max capacity of each disk type is based on the test results with current Lenovo storage offerings.

[5] The system dimensions may vary depending on configurations.

[6] The system weight is approximate and based on results in Lenovo lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.

[7] Intel vPro offers a superset of DASH's defined capabilities.

[8] EPEAT is registered where applicable, please visit

• Lenovo reserves the right to change specifications without notice.

To see more note information, please link to

<https://psref.lenovo.com/Detail/956?M=11AM001YUS>

Premier Support - A direct 24x7x365 line to our most elite technicians.

Advanced technical support, 24x7x365, in more than 100 markets

Technical Account Managers for proactive relationship and escalation management

Comprehensive hardware & OEM software support

Priority on service delivery and repair parts

Single point of contact for simplified end-to-end case management

Lenovo Service Connect Portal for customized reporting and product support

Accidental Damage Protection - Protection of your PC from the unexpected.

Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo's Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device has maximum protection, avoid unplanned costs and get peace of mind.

Base Warranty - Included with the systems you purchase, default 1- or 3-year coverage window.

Warranty Extensions & Upgrades - Service and protection that's right for your circumstances.

- Pick Up & Return Courier
- Onsite Support
- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

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Recommended Accessories

Lenovo USB-C to Ethernet Adapter

The Lenovo USB-C to Ethernet Adapter is quick and easy way to connect your USB-C enabled notebook to Ethernet connections. It's ideal for imaging of systems or transferring large files quickly.

Recommended Services

BETTER

4Y Lenovo Support (Premier Support + Keep Your Drive + International Upg) (5PS0N73239)

For a full list of accessories and services, please visit:
<https://smartfind.Lenovo.com>

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