

ThinkCentre M90n Nano IoT

A versatile gateway for your IoT ecosystem, the ThinkCentre Nano IoT comes with edge-computing capabilities – with 8th Gen Intel processors, up to 8GB DDR4 memory and ultra-fast M.2 PCIe SSD storage. There are plenty of ports, wireless connectivity options and an optional I/O BOX, to connect everything from sensors, IoT endpoints, and legacy devices to cloud-based servers.



The compact size with options for VESA, DIN-rail and wall mounting means it can be placed almost anywhere – from controlled testing environments indoors to remote field locations. There's a Kensington™ lock slot to protect against device theft.

MIL-SPEC tested for durability, the device can withstand unanticipated temperature shocks and environmental factors like heat, dust and humidity. The innovative fan-less design ensures efficient heat dissipation for improved performance.

With advanced power management features and a 15W CPU, this device is one of our most energy efficient computers. Optimized to reduce power consumption, with Energy Star® and EPEAT® Silver certifications.

Mainstream computing for a variety of business uses

Our smallest desktop series is built to be energy-efficient and has an ultra-compact footprint 5X smaller than a 14" laptop.

Lenovo services

Lenovo delivers tailored sustainability services, devices, and infrastructure solutions from our broad portfolio, working closely with you to support your target outcomes across the IT lifecycle..



Premier Support

Talk directly with advanced technical support agents
Support for software & hardware
Next business day onsite repairs

Accessories

ThinkCentre Nano IoT IOBOX

Connects to Nano IoT PCs via a Type-C connection to support additional I/O features such as Power over Ethernet (PoE), Digital Input/Output, and a Serial Port.

Single-cable support for voltage input to the IOBOX and Nano IoT PC simultaneously.
Compatible with ThinkCentre Nano IoT fan-less model PC.



PN: 4XH0X77236

ThinkCentre Nano Power Cage Kit

Integrate a power supply alongside a ThinkCentre Nano for tidier cable routing

Fits 65W & 90W Lenovo power adapters smaller than 105x44x28mm (4.1x1.7x1.1")

VESA mounting can be attached behind displays or secured on walls, ceilings & furniture



PN: 4XF0V81631

ThinkCentre M90n Nano IoT

Key Specifications

| |
|---|
| Processor |
| Intel Celeron or 8th Gen Core i3 processor |
| Operating System |
| Powered by Windows 10 Pro or Windows 10 IoT Enterprise |
| Graphics |
| Intel UHD Graphics 620/610 in processor |
| Memory |
| up to 4GB DDR4-2666 |
| Storage |
| M.2 SSD: up to 2x 1TB M.2 PCIe NVMe optional 32GB Intel Optane memory |
| Power Supply |
| <i>One of the following</i> 65W 88% Adapter 65W 88% Adapter (Wide Temperature) |
| Dimensions |
| Width: 179mm (7.05") Depth: 88mm (3.46") Height: 34.5mm (1.36") |
| Weight |
| starting at 0.72kg (1.58lb) |

Green Certifications

EPEAT Silver. Energy Star 7.1.

Other Certifications

MIL-STD-810G military testing. TCO 8.0. TUV Ultra Low Noise.

Connectivity

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|--|
| Front I/O |
| 2x USB 3.1 Gen2, 1x USB-C 3.1 Gen 2, one audio combo jack (3.5mm), 2x serial |
| Rear I/O |
| With Celeron: 1x USB 2.0, 1x USB-C 3.1 Gen 2 (with display function, support power-in [20V, > 45W]), 1x ethernet (RJ-45), 1x DisplayPort. With Core i3: 1x USB 3.1 Gen2, 1x USB-C 3.1 Gen 2 (with display function, support power-in [20V, > 45W]), 2x ethernet (RJ-45), 1x DisplayPort. |
| WLAN + Bluetooth |
| <i>One of the following</i> Intel 9462, 11ac 1x1 + BT5.0 Intel 9560, 11ac 2x2 + BT5.0 Intel 9560, 11ac 2x2 + BT5.0, vPro Realtek RTL8822CE, 11ac 1x1 + BT5.0 Realtek RTL8822CE, 11ac 2x2 + BT5.0 |
| Ethernet |
| <i>One of the following</i> Intel I219-LM + RTL8111H, 2x RJ-45 RTL8111K + RTL8111H, 2x RJ-45 RTL8111K, 1x RJ-45 |

Security & Privacy

Chassis Intrusion Switch
Kensington lock slot
Hardware TPM

Manageability

Intel vPro
Non-vPro

Optional Mechanical Peripherals

Nano Din Rail Mount
Nano I/O Expansion Box
Nano Monitor Clamp
Nano Power Cage Kit
Nano Tiny-in-One Cube
Nano VESA mount