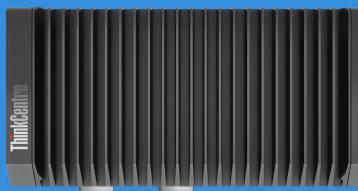# ThinkCentre M90n Nano IoT

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.

## 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.

## REASONS TO BUY

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.

# 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<br>optional 32GB Intel Optane memory |
| **Power Supply** | *One of the following*<br>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

| | |
|---|---|
| **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** | *One of the following*<br>Intel 9462 11ac, 1x1 + BT5.0 \| Intel 9560 11ac, 2x2 + BT5.0 \| Intel 9560 11ac, 2x2 + BT5.0, vPro \| RTL8822CE 11ac, 1x1 + BT5.0 \| RTL8822CE 11ac, 2x2 + BT5.0 |
| **Ethernet** | *One of the following*<br>Intel I219-LM + RTL8111H, 2x RJ45 \| RTL8111K + RTL8111H, 2x RJ45 \| RTL8111K, 1x RJ45 |

## SECURITY & PRIVACY

Chassis Intrusion Switch
Kensington lock slot
Hardware TPM

## MANAGEABILITY

Intel vPro, DASH  (optional)

## 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

# Recommended for this device



## 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.



## 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



## Premier Support

Talk directly with advanced technical support agents

Support for software & hardware

Next business day onsite repairs