

UTTERLY POWERFUL. EXTREMELY COMPACT.



Breeze through the most demanding of tasks with the ultra-slim ThinkCentre M90n-1 Nano IoT that is powered by the latest generation Intel® mobile processors and high-speed DDR4 memory. In the realm of IoT-ready platform, the M90n-1 Nano is a game changer. It supports the wireless expandability of Wi-Fi/BT, LoPWAN, WWAN connection, bridging the IoT sensors big data to the Cloud server. In addition, with scalable IOBOX design, Nano IoT offers more physical IO connectivity as the best solution on edge computing device.

Featuring the innovative fan-less design, the M90n-1 Nano IoT guarantees dissipated heat more efficiently, offering a stable performance platform without interruptions in rigid environments.

ThinkCentre M90N-1 Nano IoT



Lenovo



ThinkCentre M90n-1 Nano IoT



Boosts Productivity: powerful Intel® processors, superfast DDR4 memory, and PCIe SSD storage make everyday tasks faster and smoother. The M90n-1 Nano IoT also supports Modern Standby, a feature that allows you to receive emails, VoIP calls, and even continue to play music while on standby mode, much like a smartphone.



Unmatched Reliability: the M90n-1 Nano IoT is MIL-SPEC tested—it can endure extreme temperatures, making it more reliable and productive in the longer run.



Compact Design: with an ultra-small form factor (0.55L), the M90n-1 Nano IoT helps you organize your workspace better by freeing up valuable space. Easy to mount, this device can be tucked behind a monitor, placed under the desk, or can be mounted on the wall—place it where you like it.



Convenient Connectivity: connect up to two independent displays at once with the nano to multitask with ease. Modern ports, including 4 USB 3.1 GEN2 and 1 DP port cater to specific business needs, allowing you to do more with less.

ITDM Benefits

Reliability and Stability

MIL-SPEC tested for durability, this nano can withstand unanticipated temperature shocks. Fan-less design ensures efficient heat dissipation for improved performance.

Security

Security solutions like HW TPM 2.0 chip uses RSA encryption to protect user information whereas the Kensington™ lock slot offers physical security against device theft.

Manageability

An array of Nano's accessories allows it to be securely mounted on a wall, under the desk or behind a monitor. With a full-function Type-C port, the M90n-1 Nano IoT can be powered through a USB Type-C monitor via a single cable, reducing dependency on external connectors and dongles.

ThinkCentre M90n-1 Nano IoT

PERFORMANCE

Processor

8th Generation Intel® Core™ i3/Celeron® Processors

Operating System

Windows 10 Pro (64 bit)
Windows 10 Home (64 bit)
Windows 10 IoT LTSC (Spb)

Memory

Up to 8GB DDR4

Storage

Up to 512GB M.2 PCIe SSD

PSU

65W 88% Adaptor

CONNECTIVITY

Front Input/Output Ports

1 x Power-on Button
2 x RS232
1 x USB Type-C (USB 3.1 Gen2)
2 x USB 3.1 Gen2
1 x audio combo

Rear Input/Output Ports

1 x DisplayPort 1.2
1 x USB 3.1 Gen2 Type-C (Charging, Display)
1 x USB 3.1 Gen2 (i3 SKU) / USB 2.0 (Celeron SKU)
1 x RJ45 LAN (i3 SKU with the 2nd LAN)
1 x DC-in

Expansion Slot

2 x M.2 PCIe SSD
2 x M.2 for WiFi/Bluetooth
1 x M.2 for 4G/LTE Reserved
1 x LoRA Reserved (via USB I/F)

External Mechanical Peripherals

Monitor Clamp
VESA Wall Mount
DIN Rail Bracket
Nano IoT I/O BOX
External docks via USB Type-C

DESIGN

Dimensions

179 x 88 x 34.5mm
7.04 x 3.46 x 1.35 inches

Weight

750g/1.65lbs.

SECURITY

HW TPM 2.0
Kensington™ lock slot

MANAGEABILITY

Smart Power On

Yes, 2 independent displays

Multi-Monitor

Yes

MIL-810G SPEC

Yes

Modern Standby

Yes

CERTIFICATIONS

Energy Star
EPEAT
TUV Low Noise
RoHS
Ubuntu® Certified*
Redhat® Certified*
Azure IoT Certified

RECOMMENDED SERVICES

Lenovo offers a comprehensive portfolio of services to support and protect your ThinkCentre investments, so you can focus on the business at hand rather than worrying about IT.

Premier Support

Provides direct access to skilled and experienced Lenovo technicians for comprehensive hardware and software support. Gives you a consistent point of contact within Lenovo to ensure that your case resolution is professionally managed from start to finish.

Accidental Damage Protection (ADP)

Prevents the hassles of unexpected repair costs. Provides coverage for non-warranted damage incurred under normal operating conditions, such as minor spills, drops, or damage.

Warranty Extension (1-year base, up to 3 years total)

This fixed-term, fixed-cost service helps you accurately budget for PC expenses, protect your valuable investment, and lower your cost of ownership over time.



*Powered by monitor through a single cable, this desktop lets you enjoy a minimalistic workspace.



Depending on many factors such as the processing capability of peripheral devices, file attributes, and other factors related to system configuration and operating environments, the actual transfer rate using the various USB connectors on this device will vary and is typically slower than the data rates as defined by the respective USB specifications: - 5 Gbit/s for USB 3.1 Gen1; 10 Gbit/s for USB 3.1 Gen2 & 20 Gbit/s for USB 3.2.

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