ThinkCentre M75n IoT

From manufacturing to retail, there are vast amounts of data being generated every second. With an intelligent device that can protect, collect, analyze, and interpret this data in real-time, businesses are empowered to optimize production or maximize profitability, address equipment needs, or even stop a shoplifter in their tracks. As the latest example of Lenovo's commitment to leading the world's intelligent transformation with cutting-edge technology that drives automation and data exchange, ThinkCentre M75n IoT does all this.

At only 550 ml, ThinkCentre M75n IoT is a powerful Nano device that efficiently and securely analyzes and processes data from multiple sources simultaneously before sending it to the cloud or data center. Backed by the Think brand legacy of quality, ThinkCentre M75n IoT is tough enough to withstand industrial environments of up to 50°C/122°F. It's also protected by ThinkShield, so users can trust that their critical data and business technologies will be secure.

AMD
ATHLON

ThinkCentre M75n IoT

MAXIMUM MANAGEABILITY

On walls to inside a cash wrap to almost anywhere on a manufacturing or warehouse floor, you can mount ThinkCentre M75n IoT wherever is most convenient for your business and data gathering needs. At only 34.5 mm thin—that's equal to three phones stacked—this device can fit in the tightest of places or hide out of sight. Yet it doesn't sacrifice size for connectivity. In addition to an impressive list of I/O ports, ThinkCentre M75n IoT supports WiFi, Bluetooth®, LPWAN, and 4G/LTE WWAN wireless connections to efficiently transport data to the cloud or data center. It's also easy to manage thanks to a variety of OS options to meet your needs and built-in driver support for older OS versions.

POWERFUL PERFORMANCE

Packed with powerful AMD Athlon™ processors, ThinkCentre M75n IoT is able to process and interpret data from multiple sources (sensors, inverters, sirens, displays, cameras, and more) efficiently and send only what matters to the cloud or data center with reduced latency. It even makes connected apps more responsive and more robust, contributing to increased savings in network and computing resources.

SECURITY INSIDE AND OUT

ThinkCentre devices protect your critical data and business processes with the reinforced security of ThinkShield, the most comprehensive, end-to-end security solution on the market that combines industry-leading hardware, software, services, and processes to protect your ideas and your business. ThinkCentre M75n IoT has built-in security features, such as a dTPM 2.0 chip, Smart USB protection, individual USB port disablement, and a chassis intrusion switch, plus many more security features that can be customized to meet your unique needs. A Kensington™ Cable Lock slot provides physical security to protect against theft.

TRUSTED RELIABILITY

ThinkCentre M75n IoT is built to Lenovo's industry-leading specifications for durability and reliability, assuring 24/7/365 uptime in even the most rugged conditions. This includes withstanding vibration, humidity, shock, dust, and fungus. The intelligent cooling engine in ThinkCentre M75n IoT ensures more efficient heat dissipation than other edge devices that use mobile CPUs, even in environments of up to 50˚C/122˚F.

trusted quality

Lenovo's dedication to constantly improving product quality means rigorous testing for durability and reliability. In addition to our extensive in-house testing for real-world challenges, ThinkCentre M75n IoT is tested against MIL-STD methods and procedures.

purposeful design

Simple, yet practical. Our thoughtful approach to design shows in the details, like keeping the placement of screw holes the same from gen to gen so the device can be mounted using existing fixtures.

relentless innovation

We continually strive for perfection in what was already near perfect, like creating a 34.5 mm device with maximum mounting flexibility. For this, we employed laser drilling to achieve an even smaller printed circuit board assembly and created a tailored cooling system for the extreme narrow space.

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performance

PROCESSOR
AMD Athlon™ Silver 3050e Processor

OPERATING SYSTEM
Windows 10 64-bit Preload and Drivers
Windows 10 Pro 64
Windows 10 Home 64-bit

MEMORY
4GB DDR4 2400MHz Single Channel

STORAGE
Up to 1x 1TB PCIe SSD + 1x 256GB SATA SSD

POWER SUPPLY
65W 89% Adapter

security

dTPM 2.0 chip
Smart USB Protection
Chassis intrusion switch
Kensington™ Cable Lock

connectivity

FRONT PORTS
1x USB 3.2 Gen 2 + 1x USB 2.0
1x USB 3.2 Gen 2 Type-C
1x Combo
2x Serial RS-232

REAR PORTS
1x USB 3.2 Gen 2
1x USB 3.2 Gen 2 Type-C
1x DP
1x RJ45 LAN

EXPANSION SLOT
1x M.2 WiFi

wifi

WLAN 802.11 AC

design

DIMENSIONS
179 x 88 x 34.5 mm
7.04 x 3.46 x 1.36 in

WEIGHT
720g/1.6lbs

MIL-810H
Yes, 10 items

manageability

2 Independent Monitors

certifications

ErP LOT 3
Energy Star® 8.0
EPEAT™ Silver
TÜV Ultra Low Noise
RoHS

optional services

Lenovo offers a comprehensive portfolio of services to support and protect your ThinkCentre investment—so you can focus on your work, not your IT.

PREMIER SUPPORT
Provides direct access to skilled and experienced Lenovo technicians offering 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.
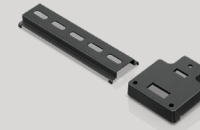
ACCIDENTAL DAMAGE PROTECTION (ADP)
Prevents the hassles of unexpected repair costs. Provides coverage for non-warranted damage incurred under normal operating conditions, such as minor spills, drops, or damage.

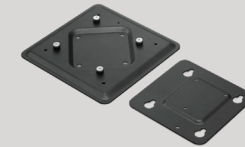**WARRANTY EXTENSION (1-YEAR BASE, UP TO 3 YEARS TOTAL)**
This fixed-term, fixed-cost service helps you accurately budget for PC expenses, protect your valuable investment, and lower the cost of ownership over time.

accessories

THINKCENTRE NANO DIN RAIL MOUNT PN: 4XF0V81629
This compact and ruggedly designed mount securely attaches the Nano to a rack housing cabinet or frame with other DIN rail equipment for a clutter-free workspace.
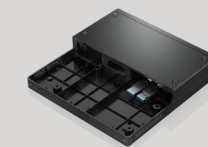

THINKCENTRE NANO VESA MOUNT PN: 4XF0V81630
The VESA-standard mount attaches to any VESA-compatible equipment and can be used separately or combined with other options.

THINKCENTRE NANO MONITOR CLAMP PN: 4XF0V81633
Use this clamp to install a Nano unit to a monitor to save space.

THINKCENTRE NANO TIO MODULE BRACKET PN: 4XF0V81632
The Nano module bracket allows you to attach the Nano at the back of the display to form your own modular PC.