

ThinkCentre M90q Gen 6

Built to redefine enterprise efficiency, this new-gen 1-liter form factor, powered by Intel® Core™ Ultra 9 (Series 2) processors, delivers top-tier performance for today's business professionals. Whether managing real-time financial models, conducting architectural simulations, or developing enterprise-grade applications, its integrated Intel® Graphics ensures fluid, responsive visuals without compromising power efficiency. Moreover, discrete Intel® Arc™ A310 Graphics enhances visual processing for more graphics-intensive tasks.



Empowering the modern workforce with a streamlined desktop experience

ThinkCentre M9 Series Tiny desktops offer compact yet powerful computing capabilities for modern professionals, boasting high-performance specs, versatile connectivity options, and space-saving design, ideal for diverse workplace environments.

With support for up to 64GB DDR5-5600 memory (2x 32GB SO-DIMM), users can experience seamless workflow even under heavy workloads. The dual M.2 2280 SSD slots offer up to 2TB each of high-speed storage, enabling rapid access to large files and applications.

Lenovo AI Now further enhances productivity, acting as a personal assistant for everyday tasks, while an optional dNPU expands AI capabilities to adapt to evolving workloads. Smart Power On simplifies startup, and the ease-of-use (EOU) design chassis ensures effortless upgrades.

With a Tiny (1L) form factor, it maximizes space efficiency, ideal for compact environments. It offers powerful performance while minimizing footprint, perfect for office setups requiring sleek, space-saving solutions.

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..



On-site Service

- On-site support if needed
- Normally next business day service
- Agreed appointment times

Accessories

Lenovo Professional Wireless Rechargeable Combo Keyboard and Mouse



- Transform your workspace into a clutter-free, cable-free zone for ultimate productivity.
- The mouse's Optical IR Sensor ensures precise tracking, with 4-way scrolling for smooth, versatile navigation.
- Keyboard layouts are tailored to vary by language, ensuring accessibility and usability for all users.

PN: 4X31K03931 - 4X31K03978

ThinkCentre Tiny VESA Mount II



- Supports mounting of a ThinkCentre Tiny to the back of VESA-compatible displays
- Can be used separately or combined with other options for secure mounting
- Simple 4-screw design keeps the device securely attached to the mount

PN: 4XF0N03161

ThinkCentre M90q Gen 6

Performance

Processor

Intel Core Ultra 5/7/9 Processor (Series 2)

Operating System*

Windows 11 Pro or Home
Windows 11 IoT Enterprise LTSC 2024
Ubuntu Linux

NPU

Integrated Intel AI Boost, up to 13 TOPS

Graphics

Intel graphics (Integrated)
Intel Arc A310 4GB

Chipset

Intel Q870 chipset

Memory^{1 2 1}

Up to 64GB DDR5-5600, two SO-DIMM slots

¹The max memory is based on the test results with current Lenovo memory offerings.

²Installed memory is actually DDR5-5600 but may run as DDR5-5200 depending on the memory support capability of Intel Core i3

¹The max memory is based on the test results with current Lenovo memory offerings.

Storage^{3 2}

Up to three drives, 3x M.2 2280 SSD
• M.2 2280 SSD up to 2TB each

³The max capacity of each disk type is based on the test results with current Lenovo storage offerings.

²The max capacity of each disk type is based on the test results with current Lenovo storage offerings.

Audio*

High Definition (HD) Audio
Single speaker, 2W x1*
Premium single speaker 2W x1*

Power Supply*⁴

230W 89%, 135W 90%, 90W 89%, 65W 89% PSU

⁴When work with TIO monitor, an appropriate power adapter is needed. Customer may need to: · Order a Tiny for TIO MT (I3C6, I3C7) models · Or for Intel Core 5/7 models order an additional 135W power adapter, for Intel Core i3 models order an additional 90W power adapter. If original power adapter is less than 135W (Core 5/7 models) or 90W (i3 models).

Design

Form factor

Tiny (1L)

Dimensions^{5 3}

179 x 182.9 x 36.5 mm with rubber feet (7.05 x 7.2 x 1.44 inches with rubber feet)

⁵The system dimensions may vary depending on configurations.

³The system dimensions may vary depending on configurations.

Weight^{6 4}

Around 1.25 kg (2.76 lbs)

⁶The system weight is approximate and may vary depending on configurations

⁴The system weight is approximate and may vary depending on configurations

Color

Black

Expansion Slots

One PCIe 4.0 x8, low-profile
One M.2 slot (for WLAN)
Three M.2 PCIe Gen 4x4 slots (for SSD)

Connectivity

Ethernet*

Gigabit onboard Ethernet
2.5GbE Onboard Ethernet*

WLAN + Bluetooth*^{7 8 5}

Up to Intel Wi-Fi 7 BE200, Bluetooth 5.4

⁷Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.

⁸Wi-Fi 6/6E full features might be limited by country-level restrictions. 6GHz Wi-Fi 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi 6E, and the regional regulatory certifications & spectrum allocation. Bluetooth 5.3 operation requires Windows 11. For more information please visit General Bluetooth Support Information on Microsoft. The bandwidth of WiFi 7 adapter is 160 MHz. Wi-Fi 7 operation is subject to the regulation rules in each country.

⁵Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.

Front ports

1x USB-C (USB 20Gbps / USB 3.2 Gen 2x2)
2x USB-A (USB 10Gbps / USB 3.2 Gen 2)
1x headphone / microphone combo jack (3.5mm)

Rear ports

1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
3x USB-A (USB 10Gbps / USB 3.2 Gen 2), one supports Smart Power On
1x HDMI 2.1 TMDS
1x DisplayPort 1.4
1x Ethernet (RJ-45)
Punch out port 1 (one of VGA / DisplayPort / HDMI 4K / HDMI 8K / serial / USB-C (USB 5Gbps) with DisplayPort function and 100W PD in / RJ-45)*
Punch out port 2 (one of VGA / DisplayPort / HDMI 4K / HDMI 8K / RJ-45 / serial / Thunderbolt 4)*
2x USB-A (USB 10Gbps / USB 3.2 Gen 2)*
4x USB-A (USB 10Gbps / USB 3.2 Gen 2)*
4x GbE RJ-45, via additional PCIe adapter*
4x serial (via 4-port serial expansion card, PCIe x1)*

Security & Privacy

Security

Discrete TPM 2.0
Kensington Security Slot
Chassis Intrusion Switch

Manageability

System Management*^{9 6}

Intel vPro Enterprise*

⁹Intel vPro offers a superset of DASH's defined capabilities

⁶Intel vPro offers a superset of DASH's defined capabilities

Lenovo services

Base Warranty

Up to 3-year limited onsite service

Certifications

Green Certifications^{10 11 7 8}

ENERGY STAR 9.0*
EPEAT Gold Registered*
ErP Lot 3
RoHS compliant
TCO Certified, generation 10

¹⁰The items listed under the "Green Certifications" section may not only refer to certification but also registration & self-declaration.

¹¹EPEAT is registered where applicable, please see epeat.net for registration status by country.

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⁸EPEAT is registered where applicable, please see epeat.net for registration status by country.

Other Certifications

TÜV Rheinland Ultra Low Noise*
MIL-STD-810H