

Lenovo ThinkCentre

In demanding industries such as healthcare, finance, and retail, the 1-liter Lenovo ThinkCentre M90q Gen 5 delivers high-end performance to master whatever data-heavy tasks the workday brings. Powered by Intel vPro® Enterprise with up to Intel® Core™ i9 processors, this flexible solution elevates employee productivity with AI-acceleration and impressive speeds. Users can customize this premium solution with ample ports and expandability, including two board-to-board (BTB) connectors for remarkable flexibility and quick data transmission. Plus, the ability to support up to four independent displays means the workspace can be optimized for any job at hand.

In addition to improved sustainability, from design and production to shipping and services, this Lenovo ThinkCentre also boasts Modern Standby, allowing the system to continue processing background tasks with very low power consumption. Security and manageability are better than ever as well, with Lenovo ThinkShield and Intel vPro® Enterprise for an unrivaled end-to-end business PC solution. For glitch-free connectivity, Intel® Wi-Fi 7 capability supplies lightning-fast data-sharing and lower latency. And when bundled with Lenovo ThinkCentre Tiny-in-One (TIO)¹, this superior Tiny device offers even greater value and more cost-effective upgrade options.

Lenovo ThinkCentre M90q Gen 5



¹Compatible with TIO 22 Gen 5, TIO 24 Gen 5, TIO 27 (Refresh), and TIO Flex

Smarter
technology
for all

Lenovo



Lenovo ThinkCentre M90q Gen 5



PREMIUM PRODUCTIVITY

Powered by Intel vPro® Enterprise with Intel® Core™ i9 processors for real-world business-class performance, this compact dynamo features dual-channel DDR5 SODIMM (up to 64GB and 5600MHz) memory and Intel® Wi-Fi 7 for super-fast connectivity. This Tiny also delivers premium efficiency with Smart Power On, allowing users to turn on the desktop using a simple keyboard shortcut when the power button is not accessible—all while the Thunder Boot feature accelerates the boot-up process. Plus, Modern Standby enables the device to stay up-to-date even during sleep mode. To ensure IT readiness from day one, Lenovo Deployment Services provide a flexible and efficient experience across the organization.



SMARTER INNOVATION

Productivity has never been more intelligent. This Lenovo ThinkCentre enables customizable efficiency, with independent dual BTB expansion (punch out) and the ability to connect to up to four displays. An EOU chassis design allows for simple, toolless upgrade and management, while the removable and easy-to-clean dust shield optimizes processing power. Equally impressive is the ability to charge your phone without power to the desktop thanks to the PowerShare USB. Plus, the temperature and noise experiences are better than ever with the AI-driven fan control. In addition to the improved per-watt energy performance, Lenovo Sustainability Services embed sustainability into every stage of the device lifecycle, from design and manufacturing to use and return for improved sustainability.



MODERN MANAGEABILITY

Designed for secure manageability to IoT solutions, this Lenovo ThinkCentre 1L chassis is easy to deploy, upgrade, and carry. In addition to N-2 driver support and the latest OS options to keep you on task, Modern Standby delivers instant responsiveness while ensuring efficient power management and consumption. With the Intel vPro® platform, you also have the assurance of remote manageability inside or outside the firewall, even when the PC is out of band. When extra help is needed, Premier Support Plus gives you 24/7/365 access to Lenovo engineers for the ultimate IT support experience.



SECURE PROTECTION

Lenovo ThinkShield offers end-to-end security with a combination of hardware, software, and services solutions to protect your ideas and your business. And because it's built on the Intel vPro® platform, this powerful Lenovo ThinkCentre delivers the best of Intel hardware-based security to safeguard data and assets with below-the-OS security features and advanced threat detection. The dTPM 2.0 chip encrypts passwords and data, while embedded controller (EC) self-healing maximizes security and BIOS-based Smart USB Protection prevents unauthorized access via peripherals. A Kensington™ Cable Lock slot allows users to securely anchor this Tiny system to stop physical device theft.



Lenovo ThinkCentre M90q Gen 5

Lenovo Services

Lenovo offers support for your ThinkCentre devices and your commitment to sustainability.



LENOVO PREMIER SUPPORT PLUS

Resolve issues quickly with easy break/fix support with 24/7/365 access to Lenovo expert engineers for a seamless remote fix, boosting productivity and device longevity while supporting circularity. AI-powered proactive and preventive alerts provide insights before issues arise. Benefit from next-business-day onsite labor and parts prioritization*, Accidental Damage Protection for mishaps such as drink spills, Keep Your Drive, and more.



LENOVO CO₂ OFFSET SERVICES

Lenovo's CO₂ Offset Service makes offsetting carbon emissions simple and within the control of the customer. We offset the carbon emissions across the average lifecycle associated with each of our devices by providing the option at point of purchase. These offsets help support climate action projects verified by United Nations, Gold Standard®, and Climate Action Reserve.



ASSET RECOVERY SERVICE (ARS)

Lenovo's Asset Recovery Services (ARS) enables secure destruction of data, helps reduce e-waste, and offers a fair market value for your end-of-life IT assets. The service also supports equipment from any manufacturer including PCs and tablets, monitors, servers, phones, printers, copiers, and networking equipment.



Accessories

ThinkCentre Tiny Vesa Mount II

This unique mount design houses the Tiny PC while featuring the universal VESA mount configuration and can be used separately or combined with other options for secure mounting functionality.



PN: 4XFON03161

ThinkCentre Tiny VI Vertical Stand

This innovative, elegant stand is designed with a small dip angle in front for ease of installation. Free up valuable workspace, minimizing vibration and noise while maximizing thermal performance.



PN: 4XF1A40559

ThinkCentre Tiny VI Dust Shield

Extend the life of your ThinkCentre Tiny by protecting it from dust, dirt, and other foreign objects that can get inside. Improve the performance and overall life of your Tiny with this easy to remove, wash, and replace dust shield.



PN: 4XF1A40558



Lenovo ThinkCentre M90q Gen 5

performance

PROCESSOR

Up to Intel vPro® Enterprise with Intel® Core™ i9 processor (Gen 14)

OPERATING SYSTEM

Windows 11 (Home & Pro)
Windows 11 Downgrade (Pro)
Windows 11 IoT
Linux Ubuntu

GRAPHICS

Intel® UHD 770 graphics

STORAGE

Up to 2x 2TB M.2 2280 Gen4 Performance SSD

MEMORY

2x DDR5 UDIMM (up to 5600MHz/64GB)

ADAPTOR

135W/230W 89%; 65W/90W 89%

connectivity

FRONT PORTS

1x USB-C 3.2 Gen 2x2 (20G)
2x USB 3.2 Gen 2 (10G)
1x Audio Combo

REAR PORTS

2x USB 3.2 Gen 2 (10G)
2x USB 3.2 Gen 1 (5G)
1x HDMI 2.1 TMDS 4K 60Hz
1x LAN (1G)
1x DP 1.4a 4K 60Hz

OPTIONAL REAR PORTS

Punch out port 1 (one of VGA/DisplayPort/HDMI/serial/USB-C 3.2 Gen 1 with DisplayPort functions)
Punch out port 2 (one of VGA/DisplayPort/HDMI/serial/LAN)
2x USB 3.2 Gen 1 (share one USB 3.2 Gen 1 bandwidth, occupies port 1 and 2)
4x USB 3.2 Gen 1 (share one USB 3.2 Gen 1 bandwidth, occupy port 1 and 2)
1x Thunderbolt 4 (supports data transfer, Power Delivery 3.0 and DisplayPort 1.4, via Thunderbolt expansion card, PCIe x4)
4x serial (via 4-port serial expansion card, PCIe x1)

EXPANSION SLOT

1x PCIe Gen 4
2x M.2 SSD Gen 4
1x M.2 Wi-Fi (up to Wi-Fi7)

WI-FI

Intel® AX211 Wi-Fi 7
Intel® AX211 Wi-Fi 6E

design

EOU

Yes

DIMENSIONS

179 x 182.9 x 36.5 mm/7.05 x 7.2 x 1.44 inches

WEIGHT

1.25 kg/2.76 lbs

MIL-SPEC

810H

security

dTPM 2.0 chip
EC and BIOS Self-healing
BIOS-based Smart USB Protection
Chassis E-Lock
Kensington™ Lock

manageability

Intel vPro® Enterprise
Supports up to 4 independent monitors
Smart Power On
4-port LAN add-on card
4-port COM add-on card

certifications

Energy Star® 8.0
EPEAT™ Gold
RoHS
ERP LOT 3
TÜV Ultra Low Noise
TCO 9.0

sustainability*

MATERIAL

85% PCC ABS plastic in chassis
95% PCC ABS in keyboard/mouse

PACKAGING

60% PIC + 30% OBP thermal shell
30% OBP bag
FSC carton



*Acronyms:
FSC: Forest Stewardship Council
OBP: Ocean-Bound Plastic (reducing plastic spill into oceans/sea)
PCC: Post-Consumer Content (recycled materials from customers)
PIC: Post Industry Content (recycled materials from internal factories)

¹ Optional

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