

ThinkCentre M90t Gen 6

Built to redefine enterprise efficiency, this next-gen ThinkCentre 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. The support for up to four independent displays via dual DisplayPort, HDMI®, and optional Flex IO enables seamless peripheral connectivity, swift data transfer, efficient device charging, or display mirroring. This robust configuration empowers professionals across industries to analyze data, design visuals, and drive innovation with unmatched clarity and speed.

Empowering the modern workforce with a streamlined desktop experience

ThinkCentre M9 Series desktops offer powerful performance with efficient processors, ample memory, and SSD storage, making them ideal for modern professionals requiring reliable computing for multitasking, creative work, and collaboration.

Configured with up to 128GB DDR5-5600 memory, this desktop delivers unmatched performance for memory-intensive tasks, whether you're analyzing complex financial datasets, rendering high-definition architectural visualizations, or managing extensive healthcare records. Furthermore, with the integrated discrete TPM 2.0 chip (TCG certified), your sensitive business data remains protected against unauthorized access, providing enterprise-grade security.

Unleash high-performance storage with the 2x 3.5" HDD, 1x 2.5" HDD, and 3x M.2 SSD support that results in lightning-fast read and write speeds, swift boot times, and accelerated application loading.

The desktop's Smart Power On feature enhances convenience and efficiency by enabling remote startup which increases accessibility and productivity. It supports scheduled operations, energy-saving configurations, and proactive maintenance, ultimately optimizing workflow and resource utilization.



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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..



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Accessories

Lenovo Go Wireless Vertical Mouse

- 6-button mouse including 2 programmable side buttons and an IR sensor
- True Ergonomic vertical design with a 45-degree vertical grip made from treated cork material
- 800, 1600, 2400 adjustable DPI and 2.4 GHz wireless dongle connection



PN: 4Y51C33792

Lenovo Go Wireless Numeric Keypad

- 21-key numeric keypad with industry-leading scissor switch keys
- Minimalist design with ultra slim profile at 13 mm with dedicated productivity keys (Calculator, Tab, Equal, Esc keys)
- Rechargeable, up to 3 months use in single charge (may vary based on usage)



PN: 4Y41C33791, GY41C33979

ThinkCentre M90t 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 LP 4GB
NVIDIA GeForce RTX 3050 6GB
NVIDIA GeForce RTX 5060 8GB
NVIDIA GeForce RTX 5070 12GB

Chipset

Intel Q870 chipset

Memory¹

Up to 128GB DDR5, four UDIMM slots

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

Storage² 3

Up to six drives, 2x 3.5" HDD + 1x 2.5" HDD + 3x M.2 SSD
3.5" HDD up to 2TB
2.5" HDD bay is only for customer self upgrade
M.2 SSD up to 2TB each
RAID 0/1/5 support

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

³2.5" HDD bay and 2nd 3.5" bay are optional parts, and 2.5" HDD bay is only for customer self upgrade purpose and the hard drive is sold separately.

Optical*

DVD-ROM or DVD±RW

Audio*

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

Power Supply*

500W 92%, 400W 92%, 310W 92%, 260W 90% PSU

Design

Form factor

Tower (17L)

Dimensions⁴

170 x 298 x 376 mm (6.7 x 11.7 x 14.8 inches)

⁴The system dimensions may vary depending on configurations.

Weight⁵

6.5 kg (14.3 lbs, maximum configuration)

⁵The system weight is approximate and may vary depending on configurations

Color

Black

Bays

1x 2.5" disk bay (optional)*
1x 3.5" disk bay
1x 3.5" disk bay (optional, or bay comes with disk)*
1x slim ODD bay

Expansion Slots

One PCIe 5.0 x16
One PCIe 4.0 x16 (x4 signal)
Two PCIe 3.0 x1
Four M.2 slots (one for WLAN, three for SSD)

Connectivity

Ethernet*

Gigabit onboard Ethernet

WLAN + Bluetooth⁶

802.11ax (Wi-Fi 6E) or 802.11be (Wi-Fi 7), Bluetooth 5.3 or 5.4
Up to Intel Wi-Fi 7 BE200, Bluetooth 5.4

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

Front ports

2x USB-A (USB 5Gbps / USB 3.2 Gen 1)
2x USB-A (USB 10Gbps / USB 3.2 Gen 2)
1x headphone / microphone combo jack (3.5mm)
1x USB-C (USB 20Gbps / USB 3.2 Gen 2x2), with 15W chargingOptional
1x card reader*

Rear ports

2x USB-A (Hi-Speed USB / USB 2.0)
2x USB-A (USB 5Gbps / USB 3.2 Gen 1)
1x HDMI 2.1 TMDS
2x DisplayPort 1.4a (HBR3, DSC)
1x Ethernet (RJ-45)
1x line-out (3.5mm)
1x USB-C (USB 5Gbps / USB 3.2 Gen 1), with DisplayPort function and 5V@3A charging (Flex IO)*
1x HDMI 2.1 TMDS (Flex IO)*
1x DP 1.4 HBR2 (Flex IO)*
1x VGA (Flex IO)*
2x USB-A (Hi-Speed USB / USB 2.0), via 2-port adapter*
2x USB-A (USB 5Gbps / USB 3.2 Gen 1), via 2-port USB expansion card, PCIe x1*
1x 2.5GbE RJ-45, via additional PCIe adapter*
1x parallel*
1x serial
1x 2nd serial*
2x PS/2*

Security & Privacy

Security

Discrete TPM 2.0
Kensington Security Slot
Padlock Loop
E-lock*
Smart Cable Clip*
Chassis Intrusion Switch*

Manageability

System Management⁷

Intel vPro Enterprise

⁷Intel vPro offers a superset of DASH's defined capabilities.

Environmental

Material⁸

97% PIC EPE cushion and 30% OBP bag FSC carton in packaging
85% PCC ABS in chassis
95% PCC ABS in KB/mouse
65% PCC ABS (EOS 2.4G wireless)

⁸PCC: Post Consumer Content, recycled materials from customers. PIC: Post Industry Content, recycled materials from internal factories. EPE: Expanded Polyethylene. OBP: Ocean Bound Plastic, reducing plastic spill into the sea. FSC: Forest Stewardship Council.

Lenovo services

Base Warranty

Up to 3-year limited onsite service

Certifications

Green Certifications^{9 10}

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

⁹The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

¹⁰EPEAT is registered where applicable, please see epeat.net for registration status by country.