

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**

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.

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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On-site Service

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

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



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Performance

Processor Intel Core Ultra 5 / 7 / 9 Processor (Series 2)
Operating System* Windows 11 Pro Windows 11 Home Windows 11 Home Single Language Windows 11 IoT Enterprise LTSC 2024 Ubuntu Linux
NPU Integrated Intel AI Boost, up to 13 TOPS Discrete NPU card, up to 30 TOPS*
Graphics Intel Graphics (Integrated) Intel Arc A310 LP 4GB NVIDIA GeForce RTX 3050 6GB NVIDIA GeForce RTX 5060 Ti 8GB NVIDIA GeForce RTX 5070 12GB
Chipset Intel Q870 chipset
Memory¹ Up to 128GB DDR5, four UDIMM slots
¹ The max memory is based on the test results with current Lenovo memory offerings.
Storage^{2 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
² The max capacity of each disk type is based on the test results with current Lenovo storage offerings.
³ 2.5" 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)
⁴ The system dimensions may vary depending on configurations.
Weight⁵ 6.5 kg (14.3 lbs, maximum configuration)
⁵ The 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 / discrete NPU)
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Connectivity

Ethernet Gigabit onboard Ethernet

WLAN + Bluetooth*⁶ 802.11ax (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
⁶ Wi-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*
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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 (HBR2, 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 1.2 (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 parallel* 1x serial 1x 2nd serial* 2x PS/2*
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Security & Privacy

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

System Management*⁷ Intel vPro Enterprise*
⁷ Intel vPro offers a superset of DASH's defined capabilities

Lenovo services

Base Warranty Up to 3-year limited onsite service

Certifications

Green Certifications^{8 9} ENERGY STAR 9.0* EPEAT Gold Registered* TCO Certified 10.0* ErP Lot 3 GREENGUARD RoHS compliant
⁸ The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.
⁹ EPEAT is registered where applicable, please see epeat.net for registration status by country.
Other Certifications TÜV Rheinland Low Noise* TÜV Rheinland Ultra Low Noise* MIL-STD-810H

Items with * are optional and only available on selected models. Information presented here may represent the maximum possible configurations for this product, but it does not necessarily reflect what is available in your region. Please ask your rep or check the specifications for specific Part Numbers in your region. © 2025 Lenovo. Products are available while supplies last. Lenovo is not responsible for photographic or typographic errors. Lenovo, the Lenovo logo, ThinkPad, ThinkCentre, ThinkBook, ThinkStation and ThinkVision are trademarks or registered trademarks of Lenovo. 3rd party product and service names may be trademarks of others. Depending on factors such as the processing capability of peripheral devices, file attributes, system configuration and operating environments, the actual data transfer rate of USB connectors will vary and is typically slower than published standards.