

Lenovo ThinkCentre

Powered by Intel vPro® Enterprise with the Intel® Core™ Ultra processor, the newly designed Lenovo ThinkCentre M90t Gen 6 provides the high-efficiency AI capability the modern workforce has come to expect. In addition to leading performance, new innovations like Lenovo AI Now and Intel® AI Boost elevate the user experience to next-level wow. Hybrid storage up to 10TB and nine USB native support allow for versatile expansion for industry-specific customization and growth. This premium tower desktop now also offers industry-leading support for RAID (Redundant Array of Independent Disks or Redundant Array of Inexpensive Disks) storage, which maintains data integrity and accessibility in the event of a single drive failure.

Multitask with ease, thanks to the faster storage, 4x DDR5 memory up to 128GB, and the Smart Cable, which enables laptop-desktop collaboration. And with integrated Intel® Graphics and an optional dGPU solution, your creative inspiration will soar. This Secure-core PC delivers no-compromise security as well, with Lenovo ThinkShield, and hardware-based protection from the Intel vPro® platform. Dust and shock resistance along with military-grade durability make this 17L powerhouse a must-have for data-heavy activities across industries.



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Lenovo ThinkCentre
M90t Gen 6

Smarter
technology
for all

Lenovo

Lenovo ThinkCentre M90t Gen 6



M90t Gen 5

M90t Gen 6

Gen-to-Gen

	M90t Gen 5	M90t Gen 6	Gen-to-Gen
Processor/Chipset	Up to Intel vPro® Enterprise with Intel® Core™ i9 processor (Gen 14)/Intel Q670	Up to Intel vPro® Enterprise with Intel® Core™ Ultra 9 processor (Series 2) /Intel Q870	Improved performance and AI capability
Storage	Up to 2TB M.2 2280 Gen4 SSD, up to 2TB 3.5" SATA 3.0 HDD	1x Gen5 M.2 SSD + 2x Gen4 M.2 SSD + 2x 3.5" HDD, Up to 10TB	More robust storage
Connectivity	Wi-Fi 6E	Wi-Fi 7 ready	Faster data transmission speed
Graphics	Up to NVIDIA RTX 4060	Up to NVIDIA RTX 5070 graphics support	Enhanced graphics and video capabilities
Data protection	RAID 0, 1 (available)	RAID 0, 1, 5 (available)	Improved data protection in case of failure



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SMART PERFORMANCE

The Lenovo ThinkCentre M90t Gen 6 is powered by up to Intel vPro® Enterprise with up to Intel® Core™ Ultra 9 processors for AI-driven productivity, boasting up to four DDR5 UDIMM with up to 128GB memory support. Impressive integrated Intel® Graphics and optional dGPU with local graphics AI processing, enable users to power through renderings, video editing, and VR/AR content creation with ease. Smart performance and power prioritization are further amped up with Lenovo AI Now and Intel® AI Boost for workday efficiency that's personalized, productive, and protected. Your device always stays quiet and cool, with the AI-driven fan control, which improves the temperature and noise experience.



VERSATILE FLEXIBILITY

This premium powerhouse is engineered to impress, with 4x DDR5 memory up to 128GB to boost performance and make light of multitasking. Thanks to nine USB native support and expansion ports, including an upgrade to 1x PCIe Gen5 M.2 SSD + 2x PCIe Gen4 M.2 SSD and 2x 3.5" HDD storage up to 10TB, this Lenovo ThinkCentre is as a powerful standalone device—or it sets a solid foundation to build your ideal ecosystem. Get innovative device collaboration with the Smart Cable for easy USB-A and USB-C connection to support all your peripherals, even another laptop or tablet. Share device control, data, even screen projection between devices with this intelligent feature that supports USB 3.2 data transfer speed. And with industry-leading Wi-Fi 7 connectivity, you'll never have to press pause on productivity.



EVERYDAY CONFIDENCE

The end-to-end protection of Lenovo ThinkShield plus Intel vPro® Enterprise combine to provide hardware, software, and platform-level security for next-gen data and business protection. The dTPM 2.0 chip encrypts passwords and data, while embedded control (EC) self-healing helps avert cyberthreats. And with the Kensington™ Lock slots, chassis e-locks, and more options to provide physical security, this Secure-core PC tower elevates workday confidence. RAID storage options, including industry-leading RAID 5, combine multiple disks to improve data reliability, performance, and ease of access. RAID storage is designed to maximize uptime and data availability by providing data continuity for immediate data protection and recovery in case of drive failure.



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Lenovo Services

Partner with Lenovo to implement more sustainable, cost-efficient practices across the device lifecycle and make a meaningful difference in how you use technology.



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, device longevity and 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

Lenovo Wireless VOIP Headset

The Lenovo Wireless VoIP Headset offers guaranteed performance with unmatched comfort, featuring a lightweight 140g design, a patented adaptive headband, and plush memory foam ear cups with premium leatherette for a custom fit. Certified for Microsoft Teams Open Office, it ensures clear, reliable communication and seamless connectivity with multipoint Bluetooth® technology.



PN: 4XD1M80020

Lenovo Professional Wireless Rechargeable Combo

The Lenovo Professional Wireless Rechargeable Combo Keyboard and Mouse enhances productivity with a full-size keyboard featuring smooth scissor switches and a bio-rubber mouse with a 4,000 DPI sensor for all-day comfort. With exterior casing made from 65% recycled materials, this combo delivers on both performance and sustainability.



PN: 4X31K03931

ThinkVision P34WD-40

Monitor features a 34-inch IPS Black panel with an AI-powered 24-120 Hz variable refresh rate that helps save power dynamically, Lenovo Display Fleet Manager (LDFM) for streamlined IT management and efficient firmware upgrades, and 140W power delivery for seamless multitasking and vibrant visuals.



PN: 64ADGAR1-xx

Lenovo

Lenovo ThinkCentre M90t Gen 6

performance

PROCESSOR

Up to Intel vPro® Enterprise with Intel® Core™ Ultra 9 processor

OPERATING SYSTEM

Windows® 11 Pro
Windows® 11 Home
Windows® 11 Home Single Language
Windows® 11 IoT Enterprise LTSC 2024
Ubuntu Linux
No preload operating system

GRAPHICS

Integrated Intel® Graphics
Up to NVIDIA® GeForce RTX™ 5070
Intel® Arc™ A310 LP Graphics

STORAGE

2x 3.5" HDD + 3x M.2 SSD
3.5" HDD up to 2TB
M.2 SSD up to 2TB each
RAID 0/1/5 support

MEMORY

Max Memory¹: Up to 128GB DDR5
Memory Slots: 4x DDR5 UDIMM (5600MHz) slots, dual-channel capable

PSU

500W 92%; 400W 92%; 310W 92%; 260W 90%

design

EOU

Toolless cover, memory, disk, optical, extension card assembly / removal

DIMENSIONS

376 x 170 x 297.85 mm
14.80 x 6.69 x 11.73 in

WEIGHT

6.5 kg/14.3 lbs

connectivity

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 charging

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)

EXPANSION SLOT

1x PCIe® 5.0 x16
1x PCIe® 4.0 x16 (x4 signal)
2x PCIe® 3.0 x1
1x Gen5 M.2 for SSD or dNPU
2x Gen4 M.2 for SSD or dNPU
1x M.2 for Wi-Fi

BAYS

1x 3.5" disk bay
1x 3.5" disk bay²
1x slim ODD bay
1x 2.5" HDD bay (customer self-upgrade option)

WI-FI

Realtek® Wi-Fi® 6E, 802.11ax Dual Band
2x2 Wi-Fi®
Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi®
Intel® Wi-Fi® 7 BE200, 802.11be 2x2 Wi-Fi®
No WLAN

sustainability*

MATERIAL

85% PCC ABS in chassis
95% PCC ABS in KB/mouse
65% PCC ABS (EOS 2.4G wireless)

PACKAGING

97% PIC EPE cushion
30% OBP bag
FSC carton

security

SECURITY CHIP

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

PHYSICAL LOCKS

E-lock²
Smart Cable Clip²
Kensington® Security Slot™, 3 x 7 mm
Padlock Loop

CHASSIS INTRUSION SWITCH

Yes²

BIOS SECURITY

Administrator password
Hard disk password
Power-on password
Boot sequence control
Boot without keyboard and mouse
Certificate-based BIOS authentication
Individual USB port disablement
Self-healing BIOS (Level 2)
Smart USB protection (allows keyboard / mouse only, blocks all storage devices)

MANAGEABILITY

Up to Intel® vPro® Enterprise

green certifications

ENERGY STAR® 9.0²
EPEAT™ Gold Registered²
TCO Certified 10.0²
ErP Lot 3
GREENGUARD®
RoHS compliant

other certifications

TÜV Rheinland® Low Noise²
TÜV Rheinland® Ultra Low Noise²
MIL-STD-810H military test passed



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*Acronyms:

EPE: Expanded Polyethylene

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

² Optional

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