

ThinkCentre M90a Pro Gen 4

This ThinkCentre is here to revolutionize the workspace and elevate the productivity of professionals working from corporate offices and other workspaces. Graphic designers, video editors, and content creators will appreciate up to 13th Gen Intel Core i9 Processors and the option for NVIDIA GeForce RTX graphics for seamless multitasking and smooth rendering. The powerful CPU with up to 64 GB DDR5 memory guarantees speedy performance, enabling financial experts to analyze data and make crucial decisions with confidence.



Empowering the modern workforce with a streamlined desktop experience

The ThinkCentre M Series AIOs offer seamless productivity with powerful processors, ample memory, and vibrant display. Space-saving design and versatile connectivity cater to the diverse needs of modern professionals.

Business Managers require efficiency and organization for running a business. With its option of up to 2 TB SSD storage, it can handle data with ease. Plus, its compact design saves valuable desk space, helping them maintain a clutter-free office.

It boasts a high-resolution 27-inch display that showcases the work in breathtaking detail. Whether editing photos, watching videos, or poring over spreadsheets, the visuals come to life with vibrant colors and sharp clarity.

The ThinkCentre supports UltraFlex V stand, full function monitor stand and a 100mm VESA mount for users to work as per their comfort and ease.

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..



Accessories

Lenovo Wired ANC Headset Gen 2

- Active Noise Cancellation
- Certified for Zoom and Microsoft Teams
- Inline Control Box with LED Indication



PN: Teams : 4XD1M45627, UC : 4XD1M39029

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Performance

Processor 13 Gen Intel Core i5 / i7 / i9
Operating System* Windows 11 Pro or Home Windows 11 DG Windows 10 Pro 64
Graphics Intel UHD graphics 730 / 770 (Integrated) NVIDIA GeForce RTX 4050
Chipset Intel Q670 Chipset
Memory Up to 64GB DDR5, two SODIMM slots
Storage Up to three drives, 1x 2.5" HDD + 2x M.2 SSD 2.5" HDD up to 1TB M.2 SSD up to 1TB each RAID 0/1 support for SSDs
Optical* DVD-ROM or DVD±RW*
Audio* High Definition (HD) Audio Stereo speakers (5W x2), Dolby Atmos Dual-microphone array*
Camera* 5.0-megapixel RGB 5.0-megapixel RGB & IR hybrid 5.0-megapixel RGB & IR hybrid with Human Presence Detection
Power Supply* 230W 92% PSU
Design
Display 27" QHD (2560x1440) IPS display, Anti-glare 16:9 - Borderless design, support low blue light (Hardware Solution), Flicker Free, Eyesafe 2.0
Form factor AIO (27 inches)

Dimensions UltraFlex V moldes: Lowest in flat mode: 613.6 x 364.54 x 227.11 mm (24.2 x 14.4 x 8.9 inches) Highest in vertical mode: 613.6 x 252.59 x 461.37 mm (24.2×9.9×18.2 inches) Full function monitor stand models: Lowest in vertical mode: 613.6 x 219.81 x 411.04 mm (24.2 x 8.7 x 16.2 inches) Highest in vertical mode: 613.6x 219.81 x 521.81 mm (24.2 x 8.7 x 20.5 inches)
Weight 11.2 kg (24.8 lbs, maximum configuration)
Color Black
Bays 1x 2.5" disk bay 1x slim ODD bay
Expansion Slots Three M.2 slots (one for WLAN, two for SSD)

Connectivity

Ethernet* Gigabit onboard Ethernet
WLAN + Bluetooth* 802.11ax (Wi-Fi 6 / Wi-Fi 6E), Bluetooth 5.3 up to Intel Wi-Fi 6E AX211, 802.11ax, Bluetooth 5.3
Rear ports 1x USB-C 3.2 Gen 2 (support data transfer and 15W charging) 3x USB 3.2 Gen 1 1x HDMI (HDMI in 1.4 / HDMI out 2.1 TMDS combo port) 1x DisplayPort 1.4 1x Ethernet (RJ-45)
Right ports 2x USB 3.2 Gen 2 1x headphone / microphone combo jack (3,5mm) 1x Thunderbolt 4 / USB4 40Gbps (support data transfer, Power Delivery 100W and DisplayPort 1.4) 1x card reader* 1x ThunderBolt 3*

Security & Privacy

Security Discrete TPM 2.0 Kensington Security Slot Chassis Intrusion Switch* ThinkShutter camera cover Smart Human Presence Detection (Camera with Radar Sensor)*

Manageability

System Management* Intel vPro Enterprise*
Lenovo services
Base Warranty Up to 3-year limited onsite service
Certifications
Green Certifications EPEAT Gold Registered* ENERGY STAR 8.0* ErP Lot 3 TCO Certified 9.0 TCO edge VOC Report RoHS compliant
Other Certifications TÜV Rheinland Eyesafe TÜV Rheinland Flicker Free TÜV Rheinland Low Blue Light (Hardware Solution) TÜV Rheinland Ultra Low Noise* UL Anti-dust 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. © 2026 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.