

ThinkCentre M90a Gen 3

This compact all-in-one desktop is purposefully designed for the modern minimalist workspace. A 23.8" full HD near borderless display powered by high-performance Intel UHD graphics and optional NVIDIA GeForce renders stunning visuals while designing or editing different types of content and 3D images. Powerful by up to 12th Intel processors with up to 16 cores, it makes working on hardware-intensive tasks and multitasking a breeze. Comes with customizable security solutions for comprehensive, end-to-end protection of critical data.



Rugged compact performance primed for business

ThinkCentre M Series All-in-One devices offer powerful configurations, space-saving design and enterprise security and manageability features.

Users can choose the optional dual-array microphones and an optional 5 MP camera for immersive call or meeting experiences from anywhere. It also has the optional ThinkShutter camera cover to protect user privacy.

Security features include individual USB port disablement, and a self-healing BIOS which can restore itself in the event of a BIOS update failure or if maliciously attacked.

Minimal preloaded applications mean a more responsive device for users, and faster deployment for IT admins.

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..



Premier Support

- Talk directly with advanced technical support agents
- Support for software & hardware
- Next business day onsite repairs

Accessories

Lenovo Adjustable Height Arm

- Reduce neck & back pain by positioning a VESA-compatible monitor, ThinkCentre M AIO or Lenovo V Series AIO, to the most comfortable height and angle
- Extends display out to a range of 64cm (25"), with height adjustment up to 33cm (13")
- Can be fitted to desk via a clamp without drilling holes



PN: 4XF0H70603

Lenovo 500 FHD Webcam

- 1080p resolution web camera with 75° field-of-view and 4x digital zoom
- Flexible mounting mechanism can easily clip onto a laptop, all-in-one or monitor
- Integrated IR sensor supporting Windows Hello secure login



PN: 4XC0V13599

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Performance

Processor Intel Celeron, Pentium, or 12th Gen Core i3 / i5 / i7 / i9
Operating System* Windows 11 Pro Windows 11 Home Windows 11 Home Single Language Windows 11 DG Windows 10 Pro 64
Graphics Intel UHD graphics 710 / 730 / 770 (Integrated) NVIDIA GeForce MX550
Chipset Intel Q670 Chipset
Memory¹ Up to 64GB DDR4-3200, two SO-DIMM slots
¹ The max memory is based on the test results with current Lenovo memory offerings.
Storage² Up to three drives, 2x 2.5" HDD + 1x M.2 SSD 2.5" HDD up to 2TB each M.2 SSD up to 1TB RAID 0/1 support for HDDs
² The max capacity of each disk type is based on the test results with current Lenovo storage offerings.
Optical* DVD-ROM or DVD±RW*
Audio High Definition (HD) Audio Stereo speakers (3W x2), Dolby Atmos Dual-microphone array*
Camera* 5M RGB & IR hybrid / 5M RGB*
Power Supply* 230W 92%, 180W 90% PSU

Design

Display 23.8" FHD (1920x1080) IPS display, Anti-glare, 16:9 - Borderless design, support low blue light mode, optional 10-point touch
Form factor AIO (23.8 inches)
Dimensions³ Starting from: 539.6 x 216.32 x 367.13 mm 21.24 x 8.52 x 14.45 inches
³ The system dimensions may vary depending on configurations.
Weight⁴ Starting from 8.235 kg (18.15 lbs)
⁴ The system weight is approximate and may vary depending on configurations
Color Black
Bays 2x 2.5" disk bay (2nd 2.5" HDD occupies ODD bay*) 1x slim ODD bay
Expansion Slots Two M.2 slots (one for WLAN, one for SSD)
Connectivity
Ethernet Gigabit onboard Ethernet
WLAN + Bluetooth* 802.11ac (Wi-Fi 5) or 802.11ax (Wi-Fi 6 / Wi-Fi 6E), up to Bluetooth 5.3 up to Intel Wi-Fi 6E AX211, 802.11ax, Bluetooth 5.3

Rear ports 3x USB 3.2 Gen 1 1x USB-C 3.2 Gen 2 (support data transfer and 15W charging) 1x HDMI (HDMI in 1.4 / HDMI out 2.1 TMDS combo port) 1x DisplayPort 1.4 1x Ethernet (RJ-45) 1x serial*
Right ports 3x USB 3.2 Gen 2 1x headphone / microphone combo jack (3.5mm) 1x card reader*

Security & Privacy

Security Discrete TPM 2.0 Kensington Security Slot Chassis Intrusion Switch* Touch style fingerprint reader on mouse* ThinkShutter camera cover*
System Management*⁵ Intel vPro Enterprise*
⁵ Intel vPro offers a superset of DASH's defined capabilities.

Lenovo services

Base Warranty Up to 3-year limited onsite service

Certifications

Green Certifications⁶ EPEAT Gold Registered* ENERGY STAR 8.0* ErP Lot 3 TCO Certified 9.0 TCO edge RoHS compliant
⁶ The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.
Other Certifications TÜV Rheinland Flicker Free TÜV Rheinland Low Blue Light 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. © 2024 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.