

ThinkCentre M90a Gen 5



Maximize real-world performance in productivity and collaboration applications with this desktop, featuring 14th Generation Intel® Core™ i7 Processors that empower professionals to tackle resource-intensive tasks effortlessly. Integrated Intel® UHD 770 or 730 Graphics ensure a smooth, lag-free experience while streaming videos or editing high-resolution images. Moreover, run multiple applications simultaneously, switch between tasks, and experience high responsiveness with up to 64GB DDR5 RAM.

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.

Equipped with 3W dual Dolby Atmos stereo speakers, the desktop delivers an immersive sound experience when collaborating with worldwide teams. Additionally, the optional smart human presence detection, featuring a camera with radar sensor recognizes user presence and adjusts screen brightness and sleep settings offering an intuitive experience.

Experience a new level of adaptability with the optional UltraFlex V stand supporting -5° to +70° tilt and up to 70°±2° lift. The elevated position enhances productivity and reduces discomfort when working on detailed reports and contributes to a clutter-free workspace.

Configure this PC with a wide range of processor and storage options to suit your performance needs and budget, including options for both HDD and SSD storage drives and DDR5-5600 Memory.

Updated 2026-06-25

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 Go Wired Speakerphone



- Microsoft Teams certified, omni-directional far-field 2x microphones array
- Portable plug-and-play capabilities and effortless PC UC support
- Comes with intuitive control with volume wheel, tactile keys, and readable LEDs

PN: 4XD1C82055, GXD1C82051

ThinkVision P32p-30 Monitor



- Get a distortion-free view with an In-Plane Switching panel
- Protect eye vision with Natural Low Blue Light technology
- Supercharge multimedia experience with flexible ports

ThinkCentre M90a Gen 5

Performance

Processor
13th / 14th Gen Intel Core i3 / i5 / i7

Operating System*
Windows 11 Pro or Home
Windows 11 DG Windows 10 Pro 64

Graphics
Intel UHD graphics 730 / 770 (Integrated)
NVIDIA GeForce MX570A

Chipset
Intel Q670 Chipset

Memory
Models with Core i3/i5: Up to 64GB DDR5-4800
Models with Core i7: Up to 64GB DDR5-5200

Storage
Models with NVIDIA GeForce MX570A:
Up to one drives, 1x M.2 SSD
· M.2 SSD up to 2TB each
Models with Intel UHD graphics:
Up to two drives, 2x M.2 SSD
· M.2 SSD up to 2TB each
· RAID 0/1 support for SSDs

Optical*
DVD-ROM or DVD±RW*

Audio*
High Definition (HD) Audio
Stereo speakers (3W 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%, 180W 90% PSU

Design

Display
23.8" FHD (1920x1080) IPS display, Anti-glare, 16:9
- 250nits, 99% sRGB, hardware low blue light, flicker free, eyesafe 2.0
- 250nits, 72% NTSC, software low blue light, flicker free, touch

Form factor
AIO (23.8 inches)

Dimensions
Staring from 539.6 x 49.6 x 352 mm (21.24 x 1.95 x 13.86 inches)

Weight
Starting from 5.53 kg (12.2 lbs)

Color
Black

Bays
1x 2.5" disk bay (optional, only available via special bid)*
1x slim ODD bay

Expansion Slots
Models with Intel UHD graphics: Three M.2 slots (one for WLAN, two for SSD)
Models with NVIDIA GeForce MX570A: Two M.2 slots (one for WLAN, one for SSD)

Connectivity

Ethernet*
Gigabit onboard Ethernet

WLAN + Bluetooth*
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-A (USB 5Gbps)
1x USB-C (USB 10Gbps), with 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-A (USB 10Gbps)
1x headphone / microphone combo jack (3.5mm)
1x card reader*

Security & Privacy

Security
Discrete TPM 2.0, TCG certified, FIPS 140-2 certified
Kensington Security Slot
Chassis Intrusion Switch*
Smart Human Presence Detection (Camera with Radar Sensor)*
ThinkShutter camera cover*

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
RoHS compliant

Other Certifications
Eyesafe Certified 2.0*
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. © 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.