

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.

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



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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

Memory¹

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

¹The max memory is based on the test results with current Lenovo memory offerings.

Storage²

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

²The 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*

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^{3 4}

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

³The system dimensions may vary depending on configurations.

⁴The dimension is for the models without stand and without camera

Weight^{5 6}

Starting from 5.53 kg (12.2 lbs)

⁵The system weight is approximate and may vary depending on configurations

⁶The weight is for the models without stand

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*⁷

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

⁷Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.

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*⁸

Intel vPro Enterprise*

⁸Intel vPro offers a superset of DASH's defined capabilities.

Lenovo services

Base Warranty

Up to 3-year limited onsite service

Certifications

Green Certifications^{9 10}

EPEAT Gold Registered*
ENERGY STAR 8.0*
ErP Lot 3
TCO Certified 9.0
TCO edge
RoHS compliant

⁹The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

¹⁰EPEAT is registered where applicable, please see epeat.net for registration status by country.

Other Certifications

Eyesafe Certified 2.0*
TÜV Rheinland Flicker Free
TÜV Rheinland Low Blue Light
TÜV Rheinland Ultra Low Noise*
MIL-STD-810H