

# 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**

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..



## On-site Service

- On-site support if needed
- Normally next business day service
- Agreed appointment times

# 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, CXD1C82051

## 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  
Windows 11 Home  
Windows 11 Home Single Language  
Windows 11 DG Windows 10 Pro 64

### Graphics

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

### Chipset

Intel Q670 Chipset

### Memory <sup>1</sup>

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

<sup>1</sup>The max memory is based on the test results with current Lenovo memory offerings.

### Storage <sup>2</sup>

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

<sup>2</sup>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\*

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 <sup>3 4</sup>

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

<sup>3</sup>The system dimensions may vary depending on configurations.

<sup>4</sup>The dimension is for the models without stand and without camera

### Weight <sup>5 6</sup>

Starting from 5.53 kg (12.2 lbs)

<sup>5</sup>The system weight is approximate and may vary depending on configurations

<sup>6</sup>The 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\* <sup>7</sup>

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

<sup>7</sup>Wi-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\* <sup>8</sup>

Intel vPro Enterprise\*

<sup>8</sup>Intel vPro offers a superset of DASH's defined capabilities.

## Lenovo services

### Base Warranty

Up to 3-year limited onsite service

## Certifications

### Green Certifications <sup>9 10</sup>

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

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

<sup>10</sup>EPEAT is registered where applicable, please see [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

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