

# 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.



## 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.

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

## 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



## Lenovo Pro Stereo Wired VOIP Headset

- USB or 3.5mm analog connection with integrated call controls
- Skype for Business and Microsoft Teams certified
- HD noise-cancelling microphone



PN: 4XD0592991

# 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\*  
TÜV Rheinland Flicker Free  
TÜV Rheinland Low Blue Light  
TÜV Rheinland Ultra Low Noise\*  
MIL-STD-810H