

# ThinkCentre M90a Pro Gen 4

This ThinkCentre is here to revolutionize the workspace and elevate the productivity of professionals working from corporate offices and other workspaces. Graphic designers, video editors, and content creators will appreciate up to 13th Gen Intel Core i9 Processors and the option for NVIDIA GeForce RTX graphics for seamless multitasking and smooth rendering. The powerful CPU with up to 64 GB DDR5 memory guarantees speedy performance, enabling financial experts to analyze data and make crucial decisions with confidence.



## 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.

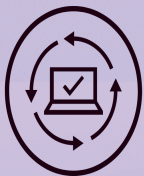
Business Managers require efficiency and organization for running a business. With its option of up to 2 TB SSD storage, it can handle data with ease. Plus, its compact design saves valuable desk space, helping them maintain a clutter-free office.

It boasts a high-resolution 27-inch display that showcases the work in breathtaking detail. Whether editing photos, watching videos, or poring over spreadsheets, the visuals come to life with vibrant colors and sharp clarity.

The ThinkCentre supports UltraFlex V stand, full function monitor stand and a 100mm VESA mount for users to work as per their comfort and ease.

## 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 Wired ANC Headset Gen 2

- Active Noise Cancellation
- Certified for Zoom and Microsoft Teams
- Inline Control Box with LED Indication



PN: Teams : 4XD1M45627, UC : 4XD1M39029

### ThinkCentre TIO Flex 24i

- This ample 23.8-inch FHD IPS screen comes with a wide color gamut of 99% sRGB.
- Integrated Natural Low Blue Light technology reduces toxic blue light while delivering high-fidelity colors.
- Take functionality to a whole new level by connecting an endless list of devices compatible with the connectivity hub, including VGA, DP 1.2, HDMI 1.4, and four USB 3.0 ports.



# ThinkCentre M90a Pro Gen 4

## Performance

### Processor

13 Gen Intel Core i5/i7/i9

### Operating System

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

### Graphics

Intel UHD graphics 730/770 (Integrated)  
NVIDIA GeForce RTX 4050

### Chipset

Intel Q670 Chipset

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

Up to 64GB DDR5, two SO-DIMM slots

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

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

Up to three drives, 1x 2.5" HDD + 2x M.2 SSD  
2.5" HDD up to 1TB  
M.2 SSD up to 1TB 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 (5W 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\* <sup>5</sup>

230W 92% PSU

## Design

### Display

27" QHD (2560x1440) IPS display, Anti-glare 16:9  
- Borderless design, support low blue light (Hardware Solution), Flicker Free, Eyesafe 2.0

### Form factor

AIO (27 inches)

### Dimensions <sup>3</sup>

UltraFlex V moldes:  
Lowest in flat mode: 613.6 x 364.54 x 227.11 mm (24.2 x 14.4 x 8.9 inches) Highest in vertical mode: 613.6 x 252.59 x 461.37 mm (24.2x9.9x18.2 inches)  
Full function monitor stand models:  
Lowest in vertical mode: 613.6 x 219.81 x 411.04 mm (24.2 x 8.7 x 16.2 inches) Highest in vertical mode: 613.6x 219.81 x 521.81 mm (24.2 x 8.7 x 20.5 inches)

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

### Weight <sup>4</sup>

11.2 kg (24.8 lbs, maximum configuration)

<sup>4</sup>The system weight is approximate and may vary depending on configurations

### Color

Black

### Bays

1x 2.5" disk bay  
1x slim ODD bay

### Expansion Slots

Three M.2 slots (one for WLAN, two for SSD)

## Connectivity

### Ethernet

Gigabit onboard Ethernet

### WLAN + Bluetooth\* <sup>5</sup>

802.11ax (Wi-Fi 6 / Wi-Fi 6E), Bluetooth 5.3  
up to Intel Wi-Fi 6E AX211, 802.11ax, Bluetooth 5.3

<sup>5</sup>Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.

### Rear ports

1x USB-C 3.2 Gen 2 (support data transfer and 15W charging)  
3x USB 3.2 Gen 1  
1x HDMI (HDMI in 1.4 / HDMI out 2.1 TMDS combo port)  
1x DisplayPort 1.4  
1x Ethernet (RJ-45)

### Right ports <sup>6</sup>

2x USB 3.2 Gen 2  
1x headphone / microphone combo jack (3.5mm)  
1x Thunderbolt 4 / USB4 40Gbps (support data transfer, Power Delivery 100W and DisplayPort 1.4)  
1x card reader\*  
1x ThunderBolt 3\*

<sup>6</sup>This Thunderbolt 3 port is not a Thunderbolt host port. By connecting it to a laptop or desktop Thunderbolt port with the included Type-C cable, customers can share M90a Pro Gen 4 as a Thunderbolt monitor or share the files saved on the 2nd SSD of M90a Pro Gen 4. A Type-C cable is bundled with the models with Thunderbolt 3 port.

## Security & Privacy

### Security

Discrete TPM 2.0  
Kensington Security Slot  
Chassis Intrusion Switch\*  
ThinkShutter camera cover  
Smart Human Presence Detection (Camera with Radar Sensor)\*

## Manageability

### System Management\* <sup>7</sup>

Intel vPro Enterprise\*

<sup>7</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>8 9</sup>

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

<sup>8</sup>The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

<sup>9</sup>EPEAT is registered where applicable, please see [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

TÜV Rheinland Eyesafe  
TÜV Rheinland Flicker Free  
TÜV Rheinland Low Blue Light (Hardware Solution)  
TÜV Rheinland Ultra Low Noise\*  
UL Anti-dust  
MIL-STD-810H