

# ThinkCentre M90s Gen 6

Built for the evolving demands of desk-based professionals, this desktop is powered by up to Intel® Core™ Ultra 9 Processor, merging raw performance with seamless multitasking. Integrated Intel® AI Boost accelerates creative and analytical workflows, enhancing tasks like 3D rendering, video editing, and data modeling with intelligent responsiveness. For professionals in design, engineering, or simulation, the optional NVIDIA® GeForce RTX™ 3050 unlocks precision graphics and fast frame rendering. And with up to 128GB DDR5 memory, multitasking across complex applications becomes second nature, ensuring smoother transitions from ideation to execution.



## Empowering the modern workforce with a streamlined desktop experience

ThinkCentre M9 Series desktops offer powerful performance with efficient processors, ample memory, and SSD storage, making them ideal for modern professionals requiring reliable computing for multitasking, creative work, and collaboration.

Whether managing financial dashboards or reviewing CAD blueprints, the system supports up to four independent displays, allowing professionals to organize their workspace without compromise. With high-speed Intel® Wi-Fi® 7 and versatile USB-A, USB-C, DisplayPort, and HDMI ports, staying connected and sharing data is effortless.

Engineered for long-term reliability, it supports up to five drives, HDD and SSD combinations, for both high capacity and fast access. Discrete TPM 2.0 and an optional chassis intrusion switch help safeguard sensitive work. 4o

Its compact SFF (8.2L) form factor ensures space optimization without compromising performance. Its sleek design fits easily into any workspace, providing powerful capabilities while maintaining a clutter-free and organized desk.

# 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..



## Return To Depot Repair Warranty

- No-hassle repair process at a Lenovo service center
- Lenovo pays for all shipping between the customer and service facility
- Avoid unplanned operational expense with a simple annual fee

# Accessories

## ThinkBook Bluetooth Silent Mouse

- Bluetooth mouse with silent buttons for noise-free operation
- Low-profile design suitable for both right-handed and left-handed users
- 4 buttons, 2-way scrolling with easy DPI adjustment: 2400, 1600, 800



PN: 4Y50X88824

## ThinkVision P24h-30

- The 23.8" QHD resolution In-plane switching display offers exceptional viewing angles and picture quality.
- 3-side NearEdgeless bezels mean fewer distractions and a greater degree of audio and visual immersion.
- Built-in Natural Low Blue Light technology reduces eye fatigue and optimises comfort during long working hours.





# ThinkCentre M90s Gen 6

## Performance

### Processor

Intel Core Ultra 5/7/9 Processor (Series 2)

### Operating System\*

Windows 11 Pro or Home  
Windows 11 IoT Enterprise LTSC 2024  
Ubuntu Linux

### NPU\*

Integrated Intel AI Boost, up to 13 TOPS

### Graphics

Intel graphics (Integrated)  
Intel Arc A310 LP 4GB  
NVIDIA GeForce RTX 3050 6GB

### Chipset

Intel Q870 chipset

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

Up to 128GB DDR5, four UDIMM slots

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

### Storage<sup>2 3</sup>

Support up to five drives, 1x 3.5" HDD + 1x 2.5" HDD + 3x M.2 SSD  
3.5" HDD up to 2TB  
2.5" HDD bay is only for customer self upgrade\*  
M.2 SSD up to 2TB each  
RAID 0/1/5 support

<sup>2</sup>The max capacity of each disk type is based on the test results with current Lenovo storage offerings.

<sup>3</sup>2.5" HDD bay is optional part, only for customer self upgrade purpose and the hard drive is sold separately.

### Optical\*

DVD-ROM or DVD±RW

### Audio\*

High Definition (HD) Audio  
Single speaker, 1W x1

### Power Supply\*

310W 92% or 260W 90% PSU

## Design

### Form factor

SFF (8.2L)

### Dimensions<sup>4</sup>

92.5 x 299.7 x 339.5 mm (3.6 x 11.8 x 13.4 inches)

<sup>4</sup>The system dimensions may vary depending on configurations.

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

5.3 kg (11.7 lbs, maximum configuration)

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

### Color

Black

### Bays

1x 2.5" disk bay\*  
1x 3.5" disk bay  
1x slim ODD bay

### Expansion Slots

One PCIe 5.0 x16  
One PCIe 4.0 x16 (x4 signal)  
Two PCIe 3.0 x1  
Four M.2 slots (one for WLAN, three for SSD)

## Connectivity

### Ethernet\*

Gigabit onboard Ethernet

### WLAN + Bluetooth\*<sup>6</sup>

802.11ax (Wi-Fi 6E) or 802.11be (Wi-Fi 7), Bluetooth 5.3 or 5.4  
Up to Intel Wi-Fi 7 BE200, Bluetooth 5.4

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

### Front ports

1x USB-C (USB 20Gbps / USB 3.2 Gen 2x2), with 15W charging  
2x USB-A (USB 5Gbps / USB 3.2 Gen 1)  
2x USB-A (USB 10Gbps / USB 3.2 Gen 2)  
1x headphone / microphone combo jack (3.5mm)  
1x card reader\*

### Rear ports

2x USB-A (Hi-Speed USB / USB 2.0)  
2x USB-A (USB 5Gbps / USB 3.2 Gen 1)  
1x HDMI 2.1 TMDS  
2x DisplayPort 1.4a (HBR3, DSC)  
1x Ethernet (RJ-45)  
1x line-out (3.5mm)  
1x USB-C (USB 5Gbps / USB 3.2 Gen 1), with DisplayPort function and 5V@3A charging (Flex IO)\*  
1x HDMI 2.1 TMDS (Flex IO)\*  
1x DP 1.4 HBR2 (Flex IO)\*  
1x VGA (Flex IO)\*  
2x USB-A (Hi-Speed USB / USB 2.0), via 2-port adapter\*  
2x USB-A (USB 5Gbps / USB 3.2 Gen 1), via 2-port USB expansion card, PCIe x1\*  
1x 2.5GbE RJ-45, via additional PCIe adapter\*  
1x parallel\*  
1x serial\*  
1x 2nd serial\*  
2x PS/2\*

## Security & Privacy

### Security

Discrete TPM 2.0  
Kensington Security Slot  
Padlock Loop  
E-lock\*  
Smart Cable Clip\*  
Chassis Intrusion Switch\*

## Manageability

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

Intel vPro Enterprise

<sup>7</sup>Intel vPro offers a superset of DASH's defined capabilities.

## Environmental

### Material<sup>8</sup>

60% PIC + 30% OBP Cushion and 30% OBP bag FSC carton in packaging  
85% PCC ABS in chassis  
95% PCC ABS in KB/mouse  
65% PCC ABS (EOS 2.4G wireless)

<sup>8</sup>PCC: Post Consumer Content, recycled materials from customers. PIC: Post Industry Content, recycled materic from internal factories. EPE: Expanded Polyethylene. OE: Ocean Bound Plastic, reducing plastic spill into the sea. FSC: Forest Stewardship Council.

## Lenovo services

### Base Warranty

Up to 3-year limited onsite service

## Certifications

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

ENERGY STAR 9.0\*  
EPEAT Gold Registered\*  
TCO Certified, generation 10\*  
ErP Lot 3  
GREENGUARD  
RoHS compliant

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

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

### Other Certifications

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. © 2025 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.