

# ThinkCentre M90s Gen 5

Step into the future of computing with ThinkCentre M90s Gen 5 where power meets productivity in a compact form factor. Powered by up to 14th Gen Intel® Core™ i9 processors, it delivers the performance needed to keep up with the most demanding creativity software. Additionally, Intel UHD 770 graphics, or the option for up to Intel A310 GPU with local graphics AI processing, deliver unparalleled graphics performance for tasks such as graphic design, video editing, and 3D rendering. The hybrid storage, achieved through the combination of Gen 4 SSD and 3.5" HDD, ensures lightning-fast access to large files and projects. Additionally, fan speed control enhances the ambient noise experience, making it ideal for maintaining focus during intense creative sessions.



## Rugged compact performance primed for business

The ThinkCentre M9 Series offers more expansion and performance capabilities than any other desktop in our portfolio; perfect for users who need higher computing performance than average.

Delivering a turbocharged experience, up to 128GB DDR5 memory and Virtual Thermal Sensor (VTS) based performance enhancement deliver the speed and responsiveness required to crunch numbers, analyze data, and easily run complex simulations. Beyond that, support for up to 4 independent displays offers ample screen real estate for multitasking and simultaneously analyzing vast amounts of information.

Reliable connectivity options including Wi-Fi 6E and Gigabit Ethernet allow you to seamlessly communicate and access cloud-based services and digital records. Additionally, Thunderbolt™ connection, with the fastest data transfer rate powered by 40 gigabits per second of bandwidth, empowers you to move large media files as blazingly fast as your internal SSD.

Immerse your workspace in sophistication with this sleek 8.2L small form factor workstation. Designed for seamless integration, it effortlessly enhances your workspace aesthetic while cleverly optimizing desk real estate, ensuring you experience peak performance without compromising style.

## Sustainable Technology Solutions

At Lenovo, we're focused on providing smarter technology that builds a brighter, more sustainable future. Partner with us to implement sustainable, cost-efficient practices spanning the device lifecycle and make a meaningful difference in how you use technology.



### Recycled or Sustainable Product Materials

Lenovo is innovating to increase energy efficiency and use of recycled content in our devices. Our partnership with like-minded technology like Intel supports our goal towards a brighter, more sustainable future. We strive to minimize our ecological footprint, making a positive impact on the planet without compromising on the quality and performance of our desktops.

- **85% PCC ABS in Chassis:** Reducing the demand for new plastic production and diverting waste from landfills.
- **95% PCC ABS in KB/mouse:** Further minimizing our environmental footprint.



### Recycled Shipping/Packaging Content

Lenovo is focused on integrating sustainable materials and reducing waste through innovative packaging design. Our commitment extends to packaging, featuring FSC-certified cartons that support responsible forestry practices. With Ocean Bound Plastic (OBP) bag and thermal shell, our packaging not only safeguards the product but also promotes a reduced carbon footprint.

- **FSC Carton:** Guaranteeing that it comes from responsibly managed forests.
- **30% OBP Bag & Thermal Shell:** Contributing to the cleanup and prevention of plastic pollution in our oceans.
- **60% PCC Plastic:** Providing an innovative and eco-friendly solution for packing our product.



### Product PCC

85% PCC ABS in chassis,  
95% PCC ABS in keyboard  
and mouse

### Asset Recovery Service

Disposal of devices and peripherals is an environmental concern that, if not done right, can also become a security challenge. Lenovo's Asset Recovery Service (ARS) helps keep resources circulating by reusing parts wherever possible, refurbishing devices, and recycling assets, helping customers with lowering their environmental impact.

### Lenovo TruScale DaaS

TruScale Device as a Service (DaaS) is a fully managed subscription-based model that offers access to a complete portfolio of hardware, software, and trusted services with a flexible payment approach—everything your business needs to support employees everywhere with consistent solutions and a predictable, transparent fee.

### Co2 Offset Service

Lenovo Co2 Offset Service estimates Co2 emissions across your device's average lifecycle and allows you to offset them by supporting verified climate action projects. We offset carbon emissions associated with our devices by providing the option at the point of purchase, ensuring we do our part in reducing overall carbon footprint.



## 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 ANC Headset

- It has noise-cancelling technology that can tune-in and tune-out your surroundings with the press of a button for maximum listening and calling quality.
- It comes with a universal fit (left and right-sided) and intuitive side-controls with LED indicators on the in-line control box.
- With Teams Certified tech (certified for Microsoft Teams at time of availability), users can make the most of their favorite UC platform.



PN: Commercial (Thunder Black Color) 4XD1C99223, Consumer (Storm Grey Color) GXD1C99243

### Lenovo Essential FHD Webcam

- This camera is powered by a Full HD 1080P 2.1 megapixel CMOS camera
- Plug and play setup, no drivers needed
- Full stereo dual-mics that are perfect for conferencing or long-distance video calls



PN: 4XC1B34802

# ThinkCentre M90s Gen 5

## Performance

**Processor**  
13th Gen Core i5 / i7 or 14th Gen Core i5 / i7 / i9

**Operating System**  
Windows 11 Pro 64  
Windows 11 Home 64  
Windows 11 Home 64 Single Language  
Windows 11 DG Windows 10 Pro 64  
Ubuntu Linux

**Graphics**  
Intel UHD graphics 730 / 770 (Integrated)  
Intel Arc A310 LP 4GB

**Chipset**  
Intel Q670 Chipset

**Memory**<sup>1</sup>  
Up to 128GB DDR5, four DIMM 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 four drives, 1x 3.5" HDD + 1x 2.5" HDD + 2x M.2 SSD  
2.5" HDD bay is only for customer self upgrade  
3.5" HDD up to 2TB  
M.2 SSD up to 2TB  
RAID 0/1 support (RAID preset only available via special bid models)

<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%, 260W 90% PSU

## Design

**Form factor**  
SFF (8.2L)

**Dimensions**<sup>4</sup>  
92.5 x 297.7 x 339.5 mm (3.6 x 11.7 x 13.4 inches)

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

**Weight**<sup>5</sup>  
Around 5.3 kg (11.7 lbs)

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

**Color**  
Black

**Bays**  
1x 2.5" disk bay (optional)  
1x 3.5" disk bay  
1x slim ODD bay

**Expansion Slots**  
One PCIe 4.0 x16, low-profile  
One PCIe 4.0 x16 (x4 signal), low-profile  
One PCIe 3.0 x1, low-profile  
Three M.2 slots (one for WLAN, two for SSD)

## Connectivity

**Ethernet**  
Gigabit onboard Ethernet

**WLAN + Bluetooth**\*<sup>6</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>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 10Gbps / USB 3.2 Gen 2), with data transfer and 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 microphone (3.5mm)  
1x card reader\*

**Rear ports**  
4x USB-A (USB 5Gbps / USB 3.2 Gen 1)  
1x HDMI 2.1 TMDS  
2x DisplayPort 1.4a (HBR2, 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 1.2 (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 PCIe x1 card\*  
1x parallel\*  
1x serial\*  
1x 2nd serial\*

## 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.

## Lenovo services

**Base Warranty**  
Up to 3-year limited onsite service

## Certifications

**Green Certifications**<sup>8 9 10</sup>  
EPEAT Gold Registered\*  
ENERGY STAR 8.0\*  
ErP Lot 3  
GREENGUARD  
TCO Certified 9.0  
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 for registration status by country.

<sup>10</sup>EPEAT is registered where applicable, please see 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. © 2024 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.