

# ThinkCentre M90t Gen 5

Engineered for high-velocity productivity across industries, this ThinkCentre built on Intel® vPro® Enterprise delivers unparalleled performance and reliability with Intel® Core™ i9 processors. Whether tackling intricate design projects or editing high-definition videos, the integration of Intel® UHD 770 and optional Nvidia® GeForce RTX™ 4060 Graphics guarantees seamless handling of demanding tasks, fostering improved workflow efficiency and faster project turnaround times. Furthermore, designed to endure the challenges of today's dynamic work environments, it adheres to MIL-STD-810H standards, guaranteeing resilience against environmental factors and ensuring prolonged durability.



## 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.

Experience a substantial boost in CPU speed and responsiveness with Virtual Thermal Sensor (VTS) based performance enhancement and Energy Performance Optimizer (EPO), ensuring uninterrupted workflows. Moreover, when integrated into Intel® DTT software, they intelligently adjust energy performance preferences, battery life, and thermals based on workload recognition.

Unleash high-performance storage with the 2 x Gen 4 SSD and 2 x 3.5” HDD support that results in lightning-fast read and write speeds, swift boot times, and accelerated application loading. Furthermore, connectivity is elevated with the dual USB 3.2 Gen 2, USB 3.2 Gen 2 Type-C, dual DisplayPort and HDMI 2.1 TMDS ports that enable seamless peripheral connectivity, swift data transfer, efficient device charging or display mirroring.

The desktop’s Smart Power On feature enhances convenience and efficiency by enabling remote startup which increases accessibility and productivity. It supports scheduled operations, energy-saving configurations, and proactive maintenance, ultimately optimizing workflow and resource utilization.

**Lenovo** Product Portfolio

# Built to reduce environmental footprint

Lenovo is making the industry's broadest portfolio of technology solutions more sustainable to help organizations reduce their environmental impact. As a global technology powerhouse, Lenovo is committed to achieving net-zero greenhouse gas emissions by 2050 with targets validated by SBTi.

## Recycled or sustainable product materials

Lenovo embraces sustainability by assimilating recycled materials such as post-consumer recycled content (PCC) in its manufacturing processes. Incorporating these materials makes the manufacturing process energy efficient, leading to a decreased carbon footprint and contributing to a circular economy.

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

## Recycled shipping/packaging content

Lenovo is innovating to increase energy efficiency and the use of recycled content in our devices. By incorporating post-industrial recycled content and recycled ocean-bound plastic, our packaging provides exceptional protection to the device and significantly minimizes waste, while ensuring it undergoes rigorous testing to ensure low chemical emissions.

- 90% PIC in EPE cushion, 30% OBP in system bag, 30% OBP Thermal Shell, FSC Carton
- Certified with GreenGuard



## Product PCC

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

**Lenovo Premier Support Plus**

Lenovo Premier Support Plus offers comprehensive assistance by freeing IT teams of break/fix responsibilities. Its AI-driven predictive issue detection anticipates problems ensuring uninterrupted productivity, while with 24x7 access to experts, remote fixes are seamless. Plus, Accidental Damage handles mishaps and Keep Your Drive ensures security.

**Asset Recovery Service (ARS)**

Lenovo's Asset Recovery Service (ARS) enables secure destruction of data, helps reduce e-waste, and offers a fair market value for your end-of-life IT assets. The service also supports equipment from any manufacturer including PCs & tablets, monitors, servers, phones, printers, copiers and networking equipment.

**Lenovo CO2 Offset Services**

Lenovo's Co2 Offset Service makes offsetting carbon emissions simple and within the control of the customer. We offset the carbon emissions across the average lifecycle associated with each of our devices by providing the option at the point of purchase, supporting the United Nations, Gold Standard®, and Climate Action Reserve.

# 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..




# Accessories

## Lenovo Performance FHD Webcam



- It has 1/2.9-inch RGB sensor, 95° lens, and 4x digital zoom. In addition, dual microphones can pick-up your voice from up to 2 meters away.
- Features a range of mounting options, from top-of-monitor to tripod, with wide-angle pan/tilt controls.
- Comes with facial recognition technology and Windows Hello 4.1.

PN: 4XC1D66055

## Lenovo Go Wireless Split Keyboard



- Human-inspired true ergonomic split keyboard with tactile and responsive, scissor switch keys
- 13-degrees splay for straight typing, comfortable neck and shoulders
- 11-degrees vertical tenting for more natural typing posture

PN: 4Y41C33748~4Y41C33789

# ThinkCentre M90t Gen 5

## Performance

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

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

**Graphics**
Intel UHD graphics 730 / 770 (Integrated)
Intel Arc A310 LP 4GB
AMD Radeon RX 6600 LE 8GB
NVIDIA GeForce RTX 3050 6GB
NVIDIA GeForce RTX 4060 8GB
NVIDIA GeForce RTX 5050 8GB
NVIDIA GeForce RTX 5060 8GB

**Chipset**
Intel Q670 Chipset

**Memory**
Up to 128GB DDR5, four DIMM slots

**Storage**
Support up to five drives, 2x 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)

**Optical***
DVD-ROM or DVD±RW

**Audio***
High Definition (HD) Audio
Single speaker, 2W x1

**Power Supply***
500W 92%, 300W 90% PSU, 260W 90% PSU

## Design

**Form factor**
Tower (17L)

**Dimensions**
170 x 298 x 376 mm (6.7 x 11.7 x 14.8 inches)

**Weight**
Around 6.5 kg (14.3 lbs)

**Color**
Black

**Bays**
1x 2.5" disk bay (optional)
1x 3.5" disk bay
1x 3.5" disk bay (optional, or bay comes with disk)
1x slim ODD bay

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

## Connectivity

**Ethernet***
Gigabit onboard Ethernet

**WLAN + Bluetooth***
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

**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 2.5GbE RJ-45, via additional PCIe adapter*
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***
Intel vPro Enterprise

## Environmental

**Material**
85% PCC ABS bezel
95% PCC ABS wired USB keyboard/mouse top/bottom cover
90% PIC recycled plastic EPE cushion
30% OBP used in bag
FSC certified paper in packaging

## Lenovo services

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

## Certifications

**Green Certifications**
EPEAT Gold Registered*
ENERGY STAR 8.0*
ErP Lot 3
GREENGUARD
TCO Certified 9.0
RoHS compliant

**Other Certifications**
TÜV Rheinland Low Noise*
TÜV Rheinland Ultra Low Noise*
MIL-STD-810H

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