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.

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.

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.

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..

On-site Service

- On-site support if needed
- Normally next business day service
- Agreed appointment times

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 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
AMD Radeon RX 6600 LE 8GB
NVIDIA GeForce RTX 3050 6GB
NVIDIA GeForce RTX 4060 8GB

Chipset
Intel Q670 Chipset

Memory [1]
Up to 128GB DDR5, four DIMM slots

[1]*The max memory is based on the test results with current Lenovo memory offerings.*

Storage [2] [3]
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)

[2]*The max capacity of each disk type is based on the test results with current Lenovo storage offerings.*

[3]*2.5" HDD bay and 2nd 3.5" bay are optional parts, and 2.5" HDD bay is 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, 2W x1

Design

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

Form factor
Tower (17L)

Dimensions [4]
170 x 298 x 376 mm (6.7 x 11.7 x 14.8 inches)

[4]*The system dimensions may vary depending on configurations.*

Weight [5]
Around 6.5 kg (14.3 lbs)

[5]*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 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* [6]
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

[6]*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* [7]
Intel vPro Enterprise

[7]*Intel vPro offers a superset of DASH's defined capabilities.*

Lenovo services

Base Warranty
Up to 3-year limited onsite service

Certifications

Green Certifications [8] [9] [10]
EPEAT Gold Registered*
ENERGY STAR 8.0*
ErP Lot 3
GREENGUARD
TCO Certified 9.0
RoHS compliant

[8]*The items listed under the "Green Certifications" section may not only refer to certification but also registration self-declaration.*

[9]*EPEAT is registered where applicable, please see epeat.net for registration status by country.*

[10]*EPEAT is registered where applicable, please see epeat.net for registration status by country.*

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