

ThinkCentre M90s Gen 3

This small form factor PC saves space and energy and runs at a speed that modern professionals can only imagine. Powered by up to 12th Gen Intel Core i9 processors and up to 128GB DDR5 memory support, it delivers state-of-the-art computing experiences while handling demanding software and complex applications. With Intel UHD graphics integrated into the processor and discrete Intel Iris Xe as well as discrete AMD Radeon, users can choose the graphics card that supports industry-specific imaging equipment.



Though small, it's packed with a wallop of expandability features, such as up to 4 expansion slots and up to 4 storage drives that include ultra-fast M.2 SSD drives up to 2TB. Plus, it has plentiful onboard and optional ports to help expand its functions as the businesses expand.

Security features include a self-healing BIOS which can restore itself in the event of a BIOS update failure or if maliciously attacked. Smart USB protection helps prevent data breaches by restricting access to external storage drives.

Optimized to reduce power consumption with optional Energy Star 8.0 and optional EPEAT Gold & Silver energy efficiency certifications.

Mainstream computing for a variety of business uses

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.

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..



Warranty Extensions

Purchase additional warranty periods from 1 to 5 years
 Buy at any point with or after your device purchase
 Optional On-site Service

Accessories

ThinkPad X1 Active Noise Cancellation Headphones

Ambient & electronic noise cancellation,
 integrated boom-less mic for calls
 Bluetooth 5.0 connectivity with USB-C charging in
 under 3 hours
 Lightweight 214g (0.47lbs) design with memory
 foam ear cups



PN: 4XD0U47635

Lenovo Kensington MicroSaver Cable Lock

Cut-resistant cable lock to protect against device
 theft; 5ft/1.5m cable anchors to desk, table or any
 fixed structure
 Tamper-resistant, disk-style lock provides near-
 impenetrable theft protection, but still allows
 users to pivot and rotate devices
 Fits a wide range of devices and docking solutions
 based on the Kensington slot design. Dual head
 locks available to secure 2 devices to one cable



PN: 4XE0N80914

ThinkCentre M90s Gen 3

Performance

Processor

Intel Pentium, or 12th Generation Intel Core i3 / 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
 Windows 10 IoT Enterprise LTSC 2021
 Ubuntu Linux

Graphics

Intel UHD graphics 710 / 730 / 770 (Integrated)
 Intel Iris Xe MAX Graphics 2GB
 AMD Radeon RX 6400 4GB

Chipset

Intel Q670 Chipset

Memory ¹

Up to 128GB DDR5, four DIMM slots

¹The max memory is based on the test results with current Lenovo memory offerings. The system may support more memory as the technology develops.

Storage ²

Up to four drives, 1x 2.5"/3.5" HDD + 1x 2.5" HDD + 2x M.2 SSD
 2.5" HDD up to 1TB each
 3.5" HDD up to 2TB
 M.2 SSD up to 2TB
 RAID 0/1 support

²The max capacity of each disk type is based on the test results with current Lenovo storage offerings. The system may support larger storage as the technology develops.

Audio

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

Power Supply

380W 92%, 310W 92%, 260W 90% PSU

Design

Form factor

SFF (8.2L)

Dimensions ³

92.5 x 297.7 x 339.5 mm (3.6 x 11.7 x 13.4 inches)

³The system dimensions may vary depending on configurations.

Weight ⁴

Around 5.3 kg (11.7 lbs)

⁴The 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 4.0 x16, low-profile
 One PCIe 4.0 x16 (x4 signal), low-profile
 Two PCIe 3.0 x1, low-profile
 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), Bluetooth 5.1
 up to Intel Wi-Fi 6E AX211 11ax Bluetooth 5.1

Front ports

1x USB-C 3.2 Gen 2 (data and 15W charging)
 2x USB 3.2 Gen 1
 2x USB 3.2 Gen 2
 1x headphone / microphone combo (3.5mm)
 1x microphone (3.5mm)
 1x card reader*

Rear ports

4x USB 3.2 Gen 1
 1x HDMI 2.1 TMDS
 2x DisplayPort 1.4
 1x Ethernet (RJ-45)
 1x line-out (3.5mm)
 1x USB-C 3.2 Gen 1 with DisplayPort function and 5V@3A charging (Flex IO)*
 1x HDMI 2.1 TMDS (Flex IO)*
 1x VGA (Flex IO)*
 1x DP 1.2 (Flex IO)*
 1x USB-C 3.2 Gen 2x2 (via USB-C expansion card, PCIe x4)*
 2x USB 2.0 (via 2-port adapter)*
 2x USB 3.2 Gen 1 (via 2-port USB expansion card, PCIe x1)*
 2x USB-C 3.2 Gen 2 (via 2-port USB-C expansion card, PCIe x4)*
 1x serial*
 1x 2nd serial*
 4x serial (via 4-port serial expansion card, PCIe x1)*
 1x parallel*
 2x PS/2*

Security & Privacy

Discrete TPM 2.0
 Kensington Security Slot
 Padlock Loop
 E-lock*
 Smart Cable Clip*
 Chassis Intrusion Switch*
 Touch style fingerprint reader on mouse*

Manageability

Intel vPro Enterprise*

⁵Intel vPro offers a superset of DASH's defined capabilities.

Lenovo services

Up to 3-year limited onsite service

Certifications

Green Certifications ⁶

EPEAT Gold Registered*
 EPEAT Silver Registered*
 ENERGY STAR 8.0*
 ErP Lot 3
 TCO Certified 9.0
 RoHS compliant

⁶The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

Other Certifications

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