

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.



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.

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.

With 8.2L small form factor, this device has a 40% reduced footprint compared with a regular desktop PC, saving desk or floor space.

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

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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
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
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) <i>³The system dimensions may vary depending on configurations.</i>
Weight ⁴ Around 5.3 kg (11.7 lbs) <i>⁴The system weight is approximate and may vary depending on configurations</i>
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), up to Bluetooth 5.3 up to Intel Wi-Fi 6E AX211, 802.11ax, Bluetooth 5.3
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*
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Security & Privacy

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

System Management* ⁵ Intel vPro Enterprise*
<i>⁵Intel vPro offers a superset of DASH's defined capabilities.</i>

Lenovo services

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