

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.

ThinkCentre M90s Gen 3

Smarter technology for all

Lenovo

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.



REASONS TO BUY

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.

ThinkCentre M90s Gen 3

KEY SPECIFICATIONS

Processor	Intel® Pentium®, or 12th Generation Intel Core™ i3 / i5 / i7 / i9 Processor
Operating System	Powered by up to Windows 11 Pro
Graphics	Intel UHD graphics 710/730/770 integrated in processor, Intel Iris® Xe MAX 100 (discrete), AMD Radeon™ RX 6400 (discrete)
Memory	Up to 128GB DDR5
Storage	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)
Optical	optional DVD-ROM or DVD burner
Additional Internal Bays	Optional 2.5" 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)
Power Supply	*One of the following* 260W 90% | 310W 92% | 380W 92%
Dimensions	92.5 x 297.7 x 339.5 mm (3.6 x 11.7 x 13.4 inches)
Weight	starting at 5.3 kg (11.7 lbs)

GREEN CERTIFICATIONS

(Optional) EPEAT™ Gold, (Optional) EPEAT Silver, (Optional) ENERGY STAR® 8.0

OTHER CERTIFICATIONS

(Optional) TÜV Rheinland® Ultra Low Noise, MIL-STD-810H military test passed

CONNECTIVITY

Front I/O	1x USB-C 3.2 Gen 2 (15W charging), 2x USB 3.2 Gen 1, 2x USB 3.2 Gen 2, 1x headphone / microphone combo jack (3.5mm), 1x microphone (3.5mm), 1x card reader (optional)
Rear I/O	4x USB 3.1 Gen 1, 1x HDMI 2.1 TMDS, 2x DisplayPort™ 1.4, 1x Ethernet (RJ-45), 1x line-out (3.5mm). Optional ports: 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 HDMI 2.1 TMDS (Flex IO), 1x DP 1.2 (Flex IO), 1x VGA (Flex IO), 1x USB-C 3.2 Gen 1 with DisplayPort function (Flex IO), 1x serial, 1x 2nd serial, 4x serial (via 4-port serial expansion card, PCIe x1), 1x parallel, 2x PS/2
Optional Rear Ports	*One of the following* 1x 2nd serial + 1x serial + 1x parallel + 2x PS/2 | 1x DP 1.2 (Flex IO) | 1x HDMI 2.0 (Flex IO) | 1x USB-C (Flex IO) | 1x VGA (Flex IO) | 1x serial | 1x serial + 1x 2nd serial + 1x HDMI 2.0 (Flex IO) | 1x serial + 1x 2nd serial + 2x USB 2.0 | 1x serial + 1x HDMI 2.0 (Flex IO) | 1x serial + 2x USB 2.0 + 1x HDMI 2.0 (Flex IO) | 2x PS/2 | 2x PS/2 + 2x USB 2.0 + 1x DP 1.2 (Flex IO) | 2x USB 2.0 | 2x USB 2.0 + 1x DP 1.2 (Flex IO) | 2x USB 2.0 + 1x HDMI 2.0 (Flex IO) | 4x USB 3.2 Gen1 + 1x DP 1.2 (Flex IO)
WLAN + Bluetooth	*One of the following* Intel AX201 11ax, 2x2 + BT5.1 | Intel AX211 Wi-Fi 6E, 11ax, 2x2 + BT5.1, vPro
Ethernet	*One of the following* BN8E88 + Integrated 100/1000M | Integrated 100/1000M

SECURITY & PRIVACY

Chassis Intrusion Switch
Discrete TPM 2.0, TCG certified, (Optional) E-lock, (Optional) Smart Cable Clip, Kensington® Security Slot, Padlock Loop

MANAGEABILITY

Non-vPro
vPro Enterprise

Recommended for this device



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



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



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

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