

ThinkCentre M90a Pro Gen 3

This all-in-one desktop is a powerhouse of modern features and fits seamlessly into any workspace. Watch videos, work on graphics, or play games with stunning images, thanks to the 23.8" QHD near-borderless display powered by high-performance Intel UHD graphics and optional NVIDIA GeForce. Powerful by up to 12th Intel processors with up to 16 cores, it handles advanced compute-intensive tasks effectively. Comes with customizable security solutions for comprehensive, end-to-end protection of critical data.



Users can choose the optional dual-array microphones and an optional 5 MP camera for immersive call or meeting experiences from anywhere. It also has the optional ThinkShutter camera cover to protect user privacy.

Security features include individual USB port disablement, and a self-healing BIOS which can restore itself in the event of a BIOS update failure or if maliciously attacked.

Optimized to reduce power consumption with Energy Star 8.0 and EPEAT Silver (both optional) energy efficiency certifications.

Mainstream computing for a variety of business uses

ThinkCentre M Series All-in-One devices offer powerful configurations, space-saving design and enterprise security and manageability features.

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

If a problem can't be fixed remotely, we will visit your location
Normally next business day service
Agreed appointment times

Accessories

Lenovo Adjustable Height Arm

Reduce neck & back pain by positioning a VESA-compatible monitor, ThinkCentre M AIO or Lenovo V Series AIO, to the most comfortable height and angle

Extends display out to a range of 64cm (25"), with height adjustment up to 33cm (13")

Can be fitted to desk via a clamp without drilling holes



PN: 4XF0H70603

Lenovo 500 FHD Webcam

1080p resolution web camera with 75° field-of-view and 4x digital zoom

Flexible mounting mechanism can easily clip onto a laptop, all-in-one or monitor

Integrated IR sensor supporting Windows Hello secure login



PN: 4XC0V13599

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Performance

Processor Intel Celeron, Pentium, or 12th Gen Core i3 / i5 / i7 / i9
Operating System Windows 11 Pro Windows 11 Home Windows 11 Home Single Language Windows 11 DG Windows 10 Pro 64
Graphics Intel UHD graphics 710 / 730 / 770 (Integrated) NVIDIA GeForce MX550
Chipset Intel Q670 Chipset
Memory ¹ Up to 64GB DDR5, two SO-DIMM slots
Storage ² Up to three drives, 2x 2.5" HDD + 1x M.2 SSD 2.5" HDD up to 2TB each M.2 SSD up to 1TB RAID 0/1 support for HDDs
Optical DVD-ROM or DVD±RW*
Audio High Definition (HD) Audio Stereo speakers (3W x2), Dolby Atmos Dual-microphone array*
Camera 5M RGB & IR hybrid / 5M RGB*
Power Supply 230W 92%,180W 90% PSU

Design

Display 23.8" QHD (2560x1440) IPS display, Anti-glare 16:9 - Borderless design, support low blue light (Hardware Solution), flicker free, Eye Safe
Form factor AIO (23.8 inches)
Dimensions ³ Full function monitor stand models: 539.6 x 217.31 x 394.65 mm to 503.66 mm 21.24 x 8.56 x 15.54 to 19.83 inches UltraFlex V moldes: 539.6 x 216.32 x 387.63 to 472 mm 21.24 x 8.52 x 15.26 to 18.58 inches
Weight ⁴ Full function monitor stand models: 8.235 kg (18.15 lbs) UltraFlex V stand models: 8.742 kg (19.27 lbs)
Color Black
Bays 2x 2.5" disk bay (2nd 2.5" HDD occupies ODD bay*) 1x slim ODD bay
Expansion Slots Two M.2 slots (one for WLAN, one for SSD)
Connectivity
Ethernet Gigabit onboard Ethernet
WLAN + Bluetooth 802.11ac (Wi-Fi 5) or 802.11ax (Wi-Fi 6 / Wi-Fi 6E), Bluetooth 5.1 up to Intel Wi-Fi 6E AX211 11ax Bluetooth 5.1

Rear ports 3x USB 3.2 Gen 1 1x USB-C 3.2 Gen 2 (support data transfer and 15W charging) 1x HDMI (HDMI in 1.4 / HDMI out 2.1 TMDS combo port) 1x DisplayPort 1.4 1x Ethernet (RJ-45) 1x serial*
Right ports 3x USB 3.2 Gen 2 1x headphone / microphone combo jack (3.5mm) 1x card reader*
Security & Privacy
Discrete TPM 2.0 Kensington Security Slot Chassis Intrusion Switch* Fingerprint Reader* ThinkShutter camera cover*
Manageability
Intel vPro Enterprise*
⁵ Intel 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* ENERGY STAR 8.0* ErP Lot 3 TCO Certified 9.0 TCO edge VOC Report RoHS compliant
⁶ The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

Other Certifications TÜV Rheinland Eyesafe TÜV Rheinland Flicker Free TÜV Rheinland Low Blue Light (Hardware Solution) TÜV Rheinland Ultra Low Noise* UL Anti-dust MIL-STD-810H
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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. © 2023 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.