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.

Minimal preloaded applications mean a more responsive device for users, and faster deployment for IT admins.

Rugged compact performance primed for business

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

- On-site support if needed
- 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

ThinkCentre M90a Pro Gen 3

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

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

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

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

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

[3]The system dimensions may vary depending on configurations.

Weight [4]
Full function monitor stand models: 8.235 kg (18.15 lbs)
UltraFlex V stand models: 8.742 kg (19.27 lbs)

[4]The system weight is approximate and may vary depending on configurations

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), up to Bluetooth 5.3
up to Intel Wi-Fi 6E AX211, 802.11ax, Bluetooth 5.3

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

Security
Discrete TPM 2.0
Kensington Security Slot
Chassis Intrusion Switch*
Fingerprint Reader*
ThinkShutter camera cover*

Manageability

System Management* [5]
Intel vPro Enterprise*

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

Lenovo services

Base Warranty
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