ThinkCentre M90a Pro Gen 3

Smarter technology for all

Lenovo

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.



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.



REASONS TO BUY

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.

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KEY SPECIFICATIONS

Processor	Intel® Celeron®, Intel Pentium®, or 12th Generation Intel Core™ i3 / i5 / i7 / i9 Processor
Operating System	Powered by up to Windows 11 Pro
Display	23.8" QHD(2560x1440), IPS, 300 nits, anti-glare, 1000:1 contrast ratio, 99% sRGB colour gamut, Borderless design, low blue light, flicker free
Graphics	Intel UHD Graphics 710/730/770 in processor, optional NVIDIA® GeForce® MX550 graphics
Memory	Up to 64GB DDR5
Storage	Up to three drives, 2x 2.5" HDD + 1x M.2 SSD
Optical	Optional DVD-ROM or DVD burner
Camera	*One of the following* 5.0MP 5.0MP RGBIR
Audio	Stereo speakers, 3W x2, Dolby® Atmos®
Power Supply	*One of the following* 180W 90% 230W 92%
Dimensions	539.6 x 217.31 x 394.65 mm (21.24 x 8.56 x 15.54 inches)
Weight	Starting from 8.235 kg (18.15 lbs)

GREEN CERTIFICATIONS

(Optional) EPEAT™ Gold, (Optional) ENERGY STAR®, ErP Lot 3, TCO Certified 9.0, TCO edge, RoHS compliant

OTHER CERTIFICATIONS

MIL-STD-810H military test passed, TÜV Rheinland® Flicker Free, TÜV Rheinland Low Blue Light, (Optional) TÜV Rheinland Ultra Low Noise, Anti-dust

CONNECTIVITY

Side/Front I/O	3x USB 3.2 Gen 2, 1x headphone / microphone combo jack (3.5mm), Optional Right Ports 1x card reader
Rear I/O	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)
Optional Rear Ports	1x serial
WLAN + Bluetooth	*One of the following* Intel AX201 11ax, 2x2 + BT5.1 Intel AX211 Wi-Fi 6E, 11ax, 2x2 + BT5.1, vPro RTL8852AE 11ax, 2x2 + BT5.1
Ethernet	Integrated 100/1000M

SECURITY & PRIVACY

Chassis Intrusion Switch
IR Camera with Windows Hello

Discrete TPM 2.0, TCG certified, Kensington® Security Slot, (Optional) ThinkShutter camera cover, Smart USB protection (allows keyboard / mouse only, blocks all storage devices), Individual USB port disablement

MANAGEABILITY

Non-vPro
vPro Enterprise

OPTIONAL MECHANICAL PERIPHERALS

UltraFlex V stand on select models

Recommended for this device



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



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

On-site Service

If a problem can’t be fixed remotely, we will visit your location

Normally next business day service

Agreed appointment times

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