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.

ThinkCentre M90a Gen 3

Smarter technology for all

Lenovo

This compact all-in-one desktop is purposefully designed for the modern minimalist workspace. A 23.8" full HD near borderless display powered by high-performance Intel UHD graphics and optional NVIDIA GeForce renders stunning visuals while designing or editing different types of content and 3D images. Powerful by up to 12th Intel processors with up to 16 cores, it makes working on hardware-intensive tasks and multitasking a breeze. Comes with customizable security solutions for comprehensive, end-to-end protection of critical data.

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 (optional) energy efficiency certifications.

ThinkCentre M90a Gen 3

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" FHD(1920x1080) Multi-touch, IPS, 250 nits, anti-glare, 1000:1 contrast ratio, 72%NTSC colour gamut, Borderless design, low blue light, flicker free 23.8" FHD(1920x1080) IPS, 250 nits, anti-glare, 1000:1 contrast ratio, 72%NTSC colour gamut, Borderless design, low blue light, flicker free
Touchscreen	Optional touchscreen on regular Full HD display
Graphics	Intel UHD Graphics 710/730/770 in processor, optional NVIDIA® GeForce® MX550 graphics
Memory	Up to 64GB DDR4-3200
Storage	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)
Optical	Optional DVD-ROM or DVD burner
Camera	*One of the following* 5.0MP 5.0MP + IR Hybrid No Camera
Audio	Stereo speakers, 3W x2, High Definition (HD) Audio, Realtek®
Power Supply	*One of the following* 180W 90% 230W 92%
Dimensions	Starting from 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. Energy Star 8.0, 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 port: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 1x serial port
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 Mediatek MT7921 11ax, 2x2 + BT5.1 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 IV 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

Premier Support

Talk directly with advanced technical support agents

Support for software & hardware

Next business day onsite repairs

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