ThinkCentre M90a Pro Gen 3

The new ThinkCentre M90a Pro Gen 3 is the industry's most premium all-in-one desktop engineered for the modern workforce. A smarter, sleeker, and more secure design, powered by Intel vPro® with up to 12th Gen Intel® Core™ i9 processors, elevates this AIO to the must-have category.

Its phone-docking bar, keyboard-docking zone, and user-facing speaker bar deliver a clean aesthetic from the perspective of both the user and customer, while the sharper 2K panel display, tiltable camera, and conference call base* provide superior large-room Teams meetings. This intelligent all-in-one turns the work-from-anywhere norm into a corner-office experience.

*Optional or as accessory

Smarter technology for all

Lenovo

ThinkCentre M90a Pro Gen 3

🔒 INTELLIGENT SECURITY

ThinkCentre M90a Pro Gen 3 is built on the Intel vPro® platform, which brings together the best of Intel innovations and helps minimize security risks by leveraging technologies deep in the silicon. Equipped with the end-to-end security of ThinkShield, offering zero touch login with its IR camera and Windows Hello™, along with PrivacyGuard to prevent shoulder surfing, this AOI safeguards data and assets while delivering long-term stability. Plus, always-on human presence detection (HPD)* not only adds to data privacy, but the walk-away sleep mode enables a new level of energy efficiency.

☑ POWERFUL EXPERIENCE

The full-function stand with adaptable tilt, lift, pivot, and swivel, along with the industry-unique tiltable camera, help create a versatile ergonomic fit. Moreover, an Optional Ultra-Flex Stand adds agility to any user of modern workspace. An optional conference call base brings collaboration to life. Quad-array microphones with 360-degree far field pickup using AI noise suppression technology and four Harman developed speakers transform the M90a into a group conferencing PC. USB Type-C connectivity brings clarity and richness to virtual meetings—large or small. And with the industry's first Teams large-room certification, the M90a Pro Gen 3 is made for the modern workforce.

✏ PURPOSEFUL DESIGN

The innovative con-call base*, phone-docking bar, and built-in cord management base reveal the intentional detail of this premium AIO. Further elevating the user experience are the improved 2K QHD display panel, VoIP integration, and user-facing speaker bar. Plus, the large screen-to-body ratio and exceptional audio with Dolby Atmos® contribute to creating space-efficient, immersive, and productive workspace.

*Optional

Smarter amplifies virtual meetings.

Conference Call Base

4 DMIC array + AI algorithm

- 4.5m 360-degree far-field voice capture
- Echo cancellation & AI noise suppression

5W x 2 Harman speakers

- 7.5m long-distance playback
- Crystal-clear, clean audio, fine-tuned for the human voice

Physical button & LED indicator

- One-press button to invoke TEAMS app
- Meeting status indicator

Standard USB Type-C interface

Lenovo

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Services

Lenovo offers a comprehensive portfolio of end-to-end services to support and protect your investment—so you can focus on the job at hand, not IT.

PREMIER SUPPORT

As IT budgets contract, you need to reduce complexity, decrease operational costs, and find ways to increase efficiency from your in-house IT support teams. Lenovo™ Premier Support manages routine support tasks, freeing IT focus on strategic efforts that move the organization forward. Boost end-user productivity and limit downtime with direct access to elite Lenovo engineers who provide unscripted, advanced hardware and software support.

CO_2 OFFSET SERVICES

As the first in the industry, Lenovo offers this certification service to customers who wish to purchase their PC products CO_2-compensated over the device's lifecycle. Included in the hardware transaction, CO_2 compensation is based on realistic emission by product, covering production, shipment, and typical usage cycle (5 years). This service proactively supports reduction of CO_2 emitted in the atmosphere and compensates for environmental impact of business operations.

Accessories

Lenovo Professional Wireless Keyboard and Mouse Combo

The slim 3-zone keyboard with number pad features responsive, quiet keys for a premium typing experience. The one- touch dedicated media keys put the controls you use most at your fingertips. The ergonomic full-size mouse provides comfort and support for all-day use.

PN: 4X30H56796

Lenovo Fingerprint Biometric USB Mouse

The Lenovo Fingerprint Biometric USB Mouse offers enhanced input functionality with an integrated fingerprint sensor for password-free authentication. It features a 1600dpi resolution with an optical sensor for precise tracking and an ambidextrous design for more fluid control and ergonomics.

PN: 4Y50Q64661

Lenovo Professional Wired Stereo VOIP Headset

The Universal VOIP optimized headset provides premium sound quality, turning any room into a conference room with noise canceling and in-line control features.

PN: 4XD0S92991

ThinkCentre M90a Pro Gen 3

performance

PROCESSOR
Up to Intel vPro® with up to 12th Gen Intel® Core™ i9 processors

OS
Windows 10 Pro

MEMORY
Up to 64GB DDR5

STORAGE
Up to 1TB M.2 PCIe SSD

CPU
65W, Intel® Dynamic Tuning Technology Optimization

POWER
Up to 230W

GRAPHICS
NVIDIA GN18-S5 2GB GDDR6 (optional)

connectivity

SIDE IO
3 x USB-A 3.2 Gen 2
3-in-1 card reader (optional)
1 combo audio jack

REAR IO
1 x USB-C 3.2 Gen 2
3 x USB-A 3.2 Gen 1
DP out
1 x LAN
HDMI 2.0 out
HDMI in combo
Intel® Ethernet
Serial port (optional)

INTERNAL BAY
2 x 2.5" HDD (1 default, 1 optional from ODD bay)
1 x Slim ODD

M.2 SLOT
1 for Wi-Fi, 1 for PCIe Gen 4 SSD

WI-FI
Intel® Wi-Fi 6, Intel® Wireless Bluetooth®

design

DISPLAY PANEL
23.8" QHD, 250nits

DISPLAY STAND FUNCTIONALITY
Full-function Stand (Tilt: -5 and ~22 (±2) degrees; Lift: 110mm; Pivot: 90 degrees; Swivel: 90 (±1) degrees; 45 degrees left and right)
Ultra-Flex Stand (Tilt: -5 and ~70 (±2) degrees; Lift: 64mm; Pivot: 90 degrees; Swivel: 90 (±1) degrees; 45 degrees left and right)

MECHANICAL PERIPHERALS
VESA wall mount
Full-function monitor stand
Ultra-Flex Stand (Optional)
Non-Stand (Customer-to-order)

EOU
Stand / Rear cover / MB shielding / HDD / Memory

SPEAKER
3Wx2 with Dolby Atmos®
Optional con-call stand base

CAMERA/MIC
5M RGBIR & RGB/dual mic
Audio Neural Noise Cancellation (Intel® GNA)

security

HPD (optional)
PrivacyGuard
Intel® Context Sensing Technology (Intel® CST)
Intel vPro® security
TPM 2.0
Kensington™ slot
Intrusion Switch (optional)
Camera lock
Windows Hello™

certifications

Modern Standby
TÜV Rheinland Low Blue Light
TÜV Rheinland Flicker Free
Ultra-Low Noise
12 MIL-SPECS
TCO Edge 9.0
Anti-dust

ENVIRONMENT OTHERS
EPEAT GOLD
Energy Star 8.0
TCO 9.0
RoHS
65% PCC
ICE 4.0