

ThinkCentre M90a Gen 5

Maximize real-world performance in productivity and collaboration applications with this desktop, featuring 14th Generation Intel® Core™ i7 Processors that empower professionals to tackle resource-intensive tasks effortlessly. Integrated Intel® UHD 770 or 730 Graphics ensure a smooth, lag-free experience while streaming videos or editing high-resolution images. Moreover, run multiple applications simultaneously, switch between tasks, and experience high responsiveness with up to 64GB DDR5 RAM.



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.

Equipped with 3W dual Dolby Atmos stereo speakers, the desktop delivers an immersive sound experience when collaborating with worldwide teams. Additionally, the optional smart human presence detection, featuring a camera with radar sensor recognizes user presence and adjusts screen brightness and sleep settings offering an intuitive experience.

Experience a new level of adaptability with the optional UltraFlex V stand supporting -5° to +70° tilt and up to 70°±2° lift. The elevated position enhances productivity and reduces discomfort when working on detailed reports and contributes to a clutter-free workspace.

Optional EPEAT Gold and optional ENERGY STAR 8.0 green certifications demonstrate a commitment to sustainability and reduce the amount of electronic waste generated.

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

ThinkVision P32p-30 Monitor

Get a distortion-free view with an In-Plane Switching panel
Protect eye vision with Natural Low Blue Light technology
Supercharge multimedia experience with flexible ports



Lenovo Pro Stereo Wired VOIP Headset

USB or 3.5mm analog connection with integrated call controls
Skype for Business and Microsoft Teams certified
HD noise-cancelling microphone



PN: 4XD0592991



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Performance

Processor 13th/14th Gen Intel Core i3/i5/i7
Operating System Windows 11 Pro Windows 11 Home Windows 11 Home Single Language Windows 11 DG Windows 10 Pro 64
Graphics Intel UHD graphics 730 / 770 (Integrated) NVIDIA GeForce MX570A
Chipset Intel Q670 Chipset
Memory ¹ Models with Core i3/i5: Up to 64GB DDR5-4800 Models with Core i7: Up to 64GB DDR5-5200
Storage ² Models with NVIDIA GeForce MX570A: Up to one drives, 1x M.2 SSD • M.2 SSD up to 2TB each Models with Intel UHD graphics: Up to two drives, 2x M.2 SSD • M.2 SSD up to 2TB each • RAID 0/1 support for SSDs
Optical * DVD-ROM or DVD±RW*
Audio High Definition (HD) Audio Stereo speakers (3W x2), Dolby Atmos Dual-microphone array*

Camera * 5.0-megapixel RGB 5.0-megapixel RGB & IR hybrid 5.0-megapixel RGB & IR hybrid with Human Presence Detection
Power Supply * 230W 92%, 180W 90% PSU
Design
Display 23.8" FHD (1920x1080) IPS display, Anti-glare, 16:9 - 250nits, 99% sRGB, hardware low blue light, flicker free, eyesafe 2.0 - 250nits, 72% NTSC, software low blue light, flicker free, touch
Form factor AIO (23.8 inches)
Dimensions ^{3 4} Starting from 539.6 x 352 x 49.6 mm (21.24 x 13.86 x 1.95 inches) ³ The system dimensions may vary depending on configurations. ⁴ The dimension is for the models without stand and without camera
Weight ^{5 6} Starting from 5.53 kg (12.2 lbs) ⁵ The system weight is approximate and may vary depending on configurations ⁶ The weight is for the models without stand
Color Black
Bays 1x 2.5" disk bay (optional, only available via special bid)* 1x slim ODD bay

Expansion Slots Models with Intel UHD graphics: Three M.2 slots (one for WLAN, two for SSD) Models with NVIDIA GeForce MX570A: Two M.2 slots (one for WLAN, one for SSD)
Connectivity
Ethernet Gigabit onboard Ethernet
WLAN + Bluetooth * ⁷ 802.11ax (Wi-Fi 6 / Wi-Fi 6E), Bluetooth 5.1 up to Intel Wi-Fi 6E AX211 11ax Bluetooth 5.1 ⁷ Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.
Rear ports 3x USB-A (USB 5Gbps) 1x USB-C (USB 10Gbps), with 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-A (USB 10Gbps) 1x headphone / microphone combo jack (3.5mm) 1x card reader*
Security & Privacy
Security Discrete TPM 2.0, TCG certified, FIPS 140-2 certified Kensington Security Slot Chassis Intrusion Switch* Smart Human Presence Detection (Camera with Radar Sensor)* ThinkShutter camera cover*
Manageability
System Management * ⁸ Intel vPro Enterprise*
⁸ Intel vPro offers a superset of DASH's defined capabilities.

Lenovo services

Base Warranty Up to 3-year limited onsite service
Certifications
Green Certifications ^{9 10} EPEAT Gold Registered* ENERGY STAR 8.0* ErP Lot 3 TCO Certified 9.0 TCO edge RoHS compliant ⁹ The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration. ¹⁰ EPEAT is registered where applicable, please see https://www.epeat.net for registration status by country
Other Certifications Eyesafe Certified 2.0* TÜV Rheinland Flicker Free TÜV Rheinland Low Blue Light TÜV Rheinland Ultra Low Noise* MIL-STD-810H

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.