

ThinkCentre neo 50a 24 Gen 7

Complex business workflows become more efficient with up to Intel Core 7 Processor (Series 3), enabling professionals to manage large datasets, financial models, presentations, and multitasking with ease. Up to 32GB LPDDR5X memory ensures smooth responsiveness, while Windows 11 Pro supports secure productivity across enterprise environments. Furthermore, a 23.8-inch FHD IPS anti-glare display with 99% sRGB delivers clear visuals for content review, reporting, and detailed analysis, helping teams remain productive during extended hours of desktop-based work.



Empowering the modern workforce with a streamlined desktop experience

ThinkCentre Neo series offers enhanced manageability and security features, along with additional configuration and expansion options.

Intel integrated graphics and up to 1TB M.2 SSD storage accelerate document creation, media playback, and everyday business applications. Dual 3W HARMAN speakers, a dual-microphone array, and an optional 5MP IR camera enable professional virtual meetings with clear audio and video communication.

Additionally, Wi-Fi 7, USB-C 20Gbps, Gigabit Ethernet, Firmware TPM 2.0, and TÜV Rheinland Ultra Low Noise certification support fast connectivity, secure operations, and quieter workspaces, making the desktop ideal for demanding office environments.

A compact 23.8-inch all-in-one design combines the display and system into one streamlined unit, minimizing desk clutter while maximizing usable workspace. Its clean setup helps create organized, productive environments for offices, home workstations, and shared spaces.

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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..



Accessories

Lenovo Go USB-C Wireless Mouse



- Ergonomically designed ambidextrous mouse with Villi painted grip and wireless connection via USB-C dongle
- Silent buttons with 2-way scroll wheel (up/down), programmable Utility Button on the side
- Default functions optimized for Teams calls, can be configured through Lenovo Go Central Software

PN: 4Y51C21216

Lenovo Go Wireless Split Keyboard



- Human-inspired true ergonomic split keyboard with tactile and responsive, scissor switch keys
- 13-degrees splay for straight typing, comfortable neck and shoulders
- 11-degrees vertical tenting for more natural typing posture

PN: 4Y41C33748~4Y41C33789

ThinkCentre neo 50a 24 Gen 7

Performance

Processor
Intel Core 3 / 5 / 7 Processor (Series 3)

Operating System*
Windows 11 Pro or Home

Graphics
Intel Graphics (integrated)

Chipset
Intel SoC (System on Chip) platform

Memory
Up to 32GB soldered LPDDR5X-7467, not upgradable

Storage
One drive, up to 1TB M.2 SSD

Audio*
High Definition (HD) Audio
Dual speaker, 3W x2, Audio by HARMAN
Dual-microphone array

Camera*
5.0-megapixel*
5.0-megapixel IR camera*

Power Supply*
135W 90% adapter
90W 89% adapter

Design

Display
23.8" FHD (1920x1080) IPS display, Anti-glare 16:9
- 350nits, 99% sRGB, non touch
- 350nits, 99% sRGB, touch

Form factor
AIO (23.8 inches)

Dimensions
539.2 x 172 x 471.8 mm (21.2 x 6.8 x 18.57 inches)

Weight
4.23 kg (9.31 lbs)

Color
Luna grey

Expansion Slots
Three M.2 slots (one for WLAN, two for SSD)

Connectivity

Ethernet*
Gigabit onboard Ethernet

WLAN + Bluetooth*
802.11ax (Wi-Fi 6) or 802.11be (Wi-Fi 7), Bluetooth 5.2 or 5.4
Up to Intel Wi-Fi 7 RTL8922AE, Bluetooth 5.4

Rear ports
1x USB-C (USB 20Gbps / USB 3.2 Gen 2x2)
3x USB-A (USB 10Gbps / USB 3.2 Gen 2)
1x HDMI (HDMI in / HDMI out 2.1 TMDS combo port)
1x Ethernet (GbE RJ-45)

Left ports
1x USB-C (USB 20Gbps / USB 3.2 Gen 2x2)
1x USB-A (USB 10Gbps / USB 3.2 Gen 2)
1x headphone / microphone combo jack (3.5mm)

Security & Privacy

Security
Firmware TPM 2.0 integrated in SoC
Kensington Security Slot

Lenovo services

Base Warranty
Up to 1-year limited onsite service

Certifications

Green Certifications
ENERGY STAR 9.0*
EPEAT Gold Registered*
ErP Lot 3/7
Low Halogen
RoHS / WEEE / REACH

Other Certifications
TÜV Rheinland Ultra Low Noise

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. © 2026 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.