

ThinkCentre neo 50a 24 Gen 4

Modern professionals will experience unparalleled work productivity in this redesigned ThinkCentre. Powered by up to 13th Gen Intel core processors and up to 16GB DDR5-5200 memory, it can run complex applications in real time and load multiple applications at the same time. Up to 2 storage drives, 1x2.5" HDD and 1xM.2 SSD, ensure optimum storage capacity. Plus, the Intel Iris Xe Graphics ensures crystal-clear videos and animation.



Experience realistic visuals on a borderless panel with 23.8" FHD and an optional multitouch screen. Bask in the goodness of clear visuals and sounds with the built-in 5-megapixel camera, dual array microphone, and 3Wx2 stereo speakers.

Ensure maximum security for business data and device with its smart security features, including Firmware TPM 2.0 security chip, Kensington security slot, and Intel BIOS guard.

This device enables everyday productivity with adaptive power management, space-saving design, and minimal environmental impact while being easy on the pocket

Rugged compact performance primed for business

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

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..



Return To Depot Repair Warranty

- No-hassle repair process at a Lenovo service center
- Lenovo pays for all shipping between the customer and service facility
- Avoid unplanned operational expense with a simple annual fee

Accessories

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

Lenovo Go Wireless Vertical Mouse

- 6-button mouse including 2 programmable side buttons and an IR sensor
- True Ergonomic vertical design with a 45-degree vertical grip made from treated cork material
- 800, 1600, 2400 adjustable DPI and 2.4 GHz wireless dongle connection



PN: 4Y51C33792



ThinkCentre neo 50a 24 Gen 4

Performance

Processor
13th Gen Intel Core i5 / i7

Operating System*
Windows 11 Pro
Windows 11 Home
Windows 11 Home Single Language

Graphics¹
Intel Iris Xe Graphics eligible (Integrated)

¹Intel Iris Xe Graphics capability requires system to be configured with dual-channel memory. On the system with single-channel memory, Intel Iris Xe Graphics will function as Intel UHD Graphics.

Memory²
Up to 16GB DDR5-5200

²The max memory is based on the test results with current Lenovo memory offerings.

Storage³
Up to two drives, 1x 2.5" HDD + 1x M.2 SSD
• 2.5" HDD up to 2TB
• M.2 SSD up to 1TB

³The max capacity of each disk type is based on the test results with current Lenovo storage offerings.

Optical*
DVD-ROM or DVD±RW*

Audio
High Definition (HD) Audio
Stereo speakers (3W x2)
Dual-microphone array

Camera*
5.0-megapixel, fixed focus*
5.0-megapixel IR camera, fixed focus*
5.0-megapixel IR camera, fixed focus, with AI chip*

Power Supply*
180W 90% PSU

Design

Display⁴
23.8" FHD (1920x1080) IPS display, Anti-glare 16:9
- 250nits, 72% NTSC, non touch
- 250nits, 72% NTSC, touch

⁴IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

Form factor
AIO (23.8 inches)

Dimensions⁵
Modelss with liftable monitor stand:
541 x 220 x 482 mm (21.3 x 8.7 x 19 inches)
Modelss with monitor stand:
541 x 209.9 x 433.7 mm (21.3 x 8.3 x 17.1 inches)

⁵The system dimensions may vary depending on configurations.

Weight⁶
Modelss with liftable monitor stand:
Around 7.64 kg (16.84 lbs)
Modelss with monitor stand:
Around 7.42 kg (16.36 lbs)

⁶The system weight is approximate and may vary depending on configurations

Color
Black

Bays
1x 2.5" disk bay
1x slim ODD bay

Expansion Slots
One M.2 slot (for WLAN)
One M.2 slot (for SSD)

Connectivity

Ethernet
Gigabit onboard Ethernet

WLAN + Bluetooth*
802.11ax (Wi-Fi 6), Bluetooth 5.2 or 5.3
Up to Realtek Wi-Fi 6 RTL8852BE, Bluetooth 5.3

Rear ports
1x USB 2.0
1x USB 3.2 Gen 2 (Supports smart power-on)
2x USB-C 3.2 Gen 2
1x USB-C 2.0 (Supports data transfer, PD up to 100W@5S)
1x HDMI 2.1TMDS
1x HDMI-out
1x Ethernet (RJ-45)
1x headphone / microphone combo jack (3.5mm)

Left ports
1x USB 3.2 Gen 1

Security & Privacy

Security
Firmware TPM 2.0 integrated in SoC
Kensington Security Slot, 3 x 7 mm

Lenovo services

Base Warranty
Up to 1-year limited onsite service

Certifications

Green Certifications^{7 8}
EPEAT Silver Registered*
ENERGY STAR 8.0*

⁷The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

⁸EPEAT is registered where applicable, please see [epeat.net](https://www.epeat.net) for registration status by country.

Other Certifications
TÜV Rheinland Flicker Free
TÜV Rheinland Low Blue Light
TÜV Rheinland Ultra Low Noise

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