

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.

The device is energy-efficient, with Energy Star and EPEAT Gold certifications (both optional), ensuring businesses save money and reduce environmental impact.

Mainstream computing for a variety of business uses

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 100 Stereo USB Headset

On-Ear stereo USB headset. Plug and Play with USB-A connector.

Rotatable Boom Microphone with passive noise cancellation for clearer audio during VoIP calls
 Lightweight design with leather and memory-form earcups for all-day comfort.



PN: 4XD0X88524

Lenovo Professional Wireless Keyboard & Mouse

Wireless keyboard and mouse combo with reliable 2.4 GHz wireless connection
 Slim keyboard with number pad, noise-suppression design, dedicated media controls & adjustable tilt legs
 Contoured design of the mouse suits both left-handed & right-handed users



PN: 4X30H56796

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Performance

Processor
13th Gen Intel Core i5 / i7

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

Graphics ¹
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.

Memory ²
Up to 16GB DDR5-5200

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

Storage ³
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

Display ⁴
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)

Dimensions ⁵
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.

Weight ⁶
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*
Intel Wi-Fi 6 AX20111ax Bluetooth 5.1

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@S5)
1x HDMI 2.1 TMDS
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 <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

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.