# 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 realitistic 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

# 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

**Graphics** [1]
Intel Iris Xe Graphics eligible (Integrated)

[1]*Intel 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

[2]*The 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

[3]*The 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

[4]*IPS (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)

[5]*The 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)

[6]*The 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 AX201 11ax 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*

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

[8]*EPEAT 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