

# ThinkCentre neo 50a 24 Gen 5

Experience lightning-fast speeds and extreme multitasking with the device featuring Intel® U Series or 13th Gen Intel® Core™ i7 processors, allowing professionals to crunch through intense reports while streaming without closing a tab. Coupled with Intel® UHD Graphics, immerse yourself in stunning visuals, whether editing photos, watching videos, or gaming. With the desktop's adjustable monitor stand, customize the viewing angle with a tilt range from -5° to +15°, providing the perfect perspective for extended productivity



## 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.

The device features dual 3W HARMAN stereo speakers, delivering a rich and immersive audio experience. Simultaneously, the dual-microphone array minimizes background noise, ensuring seamless communication whether you're participating in virtual meetings, recording podcasts, or engaging in online gaming. Additionally, the optional 5MP IR camera with a camera latch, delivers sharp video quality while prioritizing user privacy.

Whether you're running resource-intensive applications, juggling multiple browser tabs, or engaging in creative endeavors, up to 32GB DDR5 memory and up to 1TB SSD storage enables smooth transitions and swift responsiveness, without any delays.

The device features dual 3W HARMAN stereo speakers and dual-microphone array delivering a rich and immersive audio experience whether you're participating in virtual meetings or presenting in online seminars. Additionally, the optional 5MP IR camera with a camera latch delivers sharp video quality while prioritizing user privacy.

## 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 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 5

## Performance

### Processor

Intel U-series, 13th Gen Intel Core i3 / i5 / i7 or Intel H Series Core 5 / 7 Processor (Series 2)

### Operating System\*

Windows 11 Pro or Home  
Windows 11 Home Single Language  
Ubuntu Linux

### Graphics

Intel UHD Graphics (integrated)

### Chipset

Intel SoC (System on Chip) platform

### Memory<sup>1</sup>

Up to 32GB DDR5-5200

<sup>1</sup>The max memory is based on the test results with current Lenovo memory offerings.

### Storage<sup>2</sup>

One drive, up to 1TB M.2 SSD

<sup>2</sup>The max capacity of each disk type is based on the test results with current Lenovo storage offerings.

### Audio\*

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

### Camera\*

5.0-megapixel\*  
5.0-megapixel IR camera\*

### Power Supply\*

135W 90% PSU  
90W 89% PSU

## Design

### Display

23.8" FHD (1920x1080) IPS display, Anti-glare 16:9  
- 250nits, 99% sRGB, low blue light, flicker free, optional touch

### Form factor

AIO (23.8 inches)

### Dimensions<sup>3</sup>

540 x 192 x 431 mm (21.26 x 7.56 x 16.97 inches)

<sup>3</sup>The system dimensions may vary depending on configurations.

### Weight<sup>4</sup>

Around 6.0 kg (13.23 lbs)

<sup>4</sup>The system weight is approximate and may vary depending on configurations

### Color

Luna grey

### Expansion Slots

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

## Connectivity

### WLAN + Bluetooth\*<sup>5</sup>

802.11ax (Wi-Fi 6), Bluetooth 5.2  
Up to Realtek Wi-Fi 6 RTL8852BE, Bluetooth 5.2

<sup>5</sup>Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.

### Rear ports

1x USB-A (USB 10Gbps / USB 3.2 Gen 2)  
2x USB-A (Hi-Speed USB / USB 2.0)  
1x HDMI-in 1.4  
1x HDMI-out 2.1 TMDS  
1x Ethernet (RJ-45)  
1x power connector

### Left ports

1x headphone / microphone combo jack (3.5mm)  
1x USB-C (USB 10Gbps / USB 3.2 Gen 2), data transfer and 15W charging

## Security & Privacy

### Security<sup>6</sup>

Firmware TPM 2.0 integrated in SoC  
Kensington Security Slot

<sup>6</sup>The Kensington security slot is standard on models manufactured on or after February 10, 2025. For models manufactured before this date, please refer to the actual product.

## Environmental

### Material

65% PCC ABS bezel  
95% PCC recycled plastic used in USB keyboard/mouse  
90% PIC recycled plastic EPE cushion  
30% OBP used in bag FSC certified paper in packaging

## Lenovo services

### Base Warranty

Up to 1-year limited onsite service

## Certifications

### Green Certifications<sup>8 9</sup>

ENERGY STAR 8.0\*  
EPEAT Gold Registered\*  
GREENGUARD  
RoHS / WEEE / REACH  
ErP Lot 3 and Lot 7

<sup>8</sup>The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

<sup>9</sup>EPEAT is registered where applicable, please see [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

TÜV Rheinland Ultra Low Noise\*  
TÜV Rheinland Flicker Free  
TÜV Rheinland Low Blue Light