

# ThinkCentre neo 50a 27 Gen 5

This all-in-one device is a powerhouse for desk-based professionals, providing the performance, versatility, and security required to excel in diverse work environments. With up to 13th Gen Intel Core i7 processor and up to 32GB DDR5 memory, experience seamless multitasking and fast response times. It can tackle resource-intensive tasks effortlessly, which makes it ideal for content creators, software developers, and data analysts. Support for up to 2 independent monitors is ideal for financial analysts, researchers, and anyone requiring an extended desktop for enhanced efficiency.



## Rugged compact performance primed for business

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

The 27" display provides a visually immersive experience. Opt for the optional multi-touch display with low blue light technology for enhanced comfort during prolonged usage. Perfect for graphic designers and architects who carry out visually demanding tasks.

Experience HD audio through Realtek stereo speakers and a dual-microphone array. Users can communicate clearly during virtual meetings, making it an excellent choice for consultants, sales professionals, and customer support teams.

Experience HD audio through Realtek stereo speakers and a dual-microphone array. Communicate clearly during virtual meetings, making it an excellent choice for consultants, sales professionals, and customer support teams. Enhance your virtual meetings with the optional 5.0 MP IR camera. Perfect for professionals who frequently engage in video conferencing, ensuring you're seen clearly in every interaction.

# 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..



## On-site Service

- On-site support if needed
- Normally next business day service
- Agreed appointment times

# Accessories

## ThinkPad TrackPoint Keyboard II

- Compact familiar ThinkPad keys with integrated ThinkPad trackpoint
- Dual mode connection with Bluetooth 5.0 and 2.4G Wireless via Nano USB dongle
- Supports 6-point key typing for visually impaired



PN: 4Y40X49493

## ThinkPad Bluetooth Silent Mouse

- Left/Right hand, easy-to-carry low profile mouse
- Switch between 2 devices with dual-host Bluetooth 5.0 connectivity
- 2-way scrolling with on-the-fly DPI adjustment (2400, 1600, 800)



PN: With Battery : 4Y50X88822 Without Battery : 4Y50X88823

# ThinkCentre neo 50a 27 Gen 5

## Performance

### Processor

13th Gen Intel Core i3/i5/i7

### Operating System\*

Windows 11 Home  
Windows 11 Pro

### Graphics

Intel UHD Graphics (integrated)

### Chipset

Intel SoC (System on Chip) platform

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

Up to 32GB DDR5-5200, two SO-DIMM slots

<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

27" FHD (1920x1080) IPS display, Anti-glare 16:9  
- 300nits, 99% sRGB, low blue light, flicker free, optional touch

### Form factor

AIO (27 inches)

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

611.72 x 192 x 473.16 mm (24.08 x 7.56 x 18.62 inches)

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

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

Around 7.1 kg (15.65 lbs)

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

### 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 or 5.3  
Up to Realtek Wi-Fi 6 RTL8852BE, Bluetooth 5.3

<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 USB-C (USB 10Gbps / USB 3.2 Gen 2), data transfer only  
1x headphone / microphone combo jack (3.5mm)

## Security & Privacy

### Security

Firmware TPM 2.0 integrated in SoC

## Lenovo services

### Base Warranty

Up to 1-year limited onsite service

## Certifications

### Green Certifications<sup>7 8</sup>

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

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

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

### Other Certifications

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

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. © 2024 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.