

# 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.



## 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.

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.

The desktop, equipped with ENERGY STAR® 8.0, optional EPEAT™ Silver registration, and GREENGUARD® certification, boasts exceptional energy efficiency, ensuring minimal power consumption while maintaining environmental sustainability.

## 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

- If a problem can't be fixed remotely, we will visit your location
- 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 X1 Presenter Mouse

- 2-in-1 mouse with gyro technology and intuitive buttons to control PowerPoint or PDF slides
- Pair with multiple devices using dual-mode 2.4Ghz wireless or Bluetooth 5.0
- Rechargeable internal battery provides up to 2 months of use with just 2 hours of charging



PN: 4Y50X88824

# 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 5.1  
Up to Intel Wi-Fi 6 AX201, Bluetooth 5.1

<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 3.2 Gen 2  
2x 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 3.2 Gen 2  
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 <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