

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.



**Streamlined Efficiency with
Desktop AIOs for Modern
Workforce**

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

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Performance

Processor

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

Operating System

Windows 11 Home
Windows 11 Pro

Graphics ¹

Intel UHD Graphics (integrated)

¹Intel Arc graphics only available on select H-series Intel Core Ultra processor powered systems with at least 16GB of system memory in a dual-channel configurations, otherwise it will function as Intel Graphics.

Chipset

Intel SoC (System on Chip) platform

Memory ^{2 1}

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

²Maximum memory is only to test technical readiness of notebook. Available memory to sell would vary.

¹The max memory is based on the test results with current Lenovo memory offerings.

Storage ^{3 2}

One drive, up to 1TB M.2 SSD

³The system supports dual SSD via two M.2 slots, but Lenovo only offers one SSD configuration, another SSD slot for user self-extension. The max storage capacity is only technical readiness and may be different with current Lenovo storage offerings.

²The 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 ⁵

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

⁵IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

Form factor

AIO (27 inches)

Dimensions ^{6 3}

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

⁶The system dimensions may vary depending on configurations.

³The system dimensions may vary depending on configurations.

Weight ^{7 4}

Around 7.1 kg (15.65 lbs)

⁷The system weight is approximate and may vary depending on configurations

⁴The 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 ^{* 8 5}

802.11ax (Wi-Fi 6), Bluetooth 5.2 or 5.3
Up to Realtek Wi-Fi 6 RTL8852BE, Bluetooth 5.3

⁸Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.

⁵Wi-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
Kensington Security Slot

Lenovo services

Base Warranty

Up to 1-year limited onsite service

Certifications

Green Certifications ^{10 11 12 7 8}

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

¹⁰The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

¹¹EPEAT registration and ENERGY STAR certification are optional and only available on the models with preload OS.

¹²EPEAT is registered where applicable, please see epeat.net for registration status by country.

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

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Other Certifications

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