

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.



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 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..



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 Intel UHD Graphics (integrated)
Chipset Intel SoC (System on Chip) platform
Memory¹ Up to 32GB DDR5-5200, two SO-DIMM slots
¹ The max memory is based on the test results with current Lenovo memory offerings.
Storage² One drive, up to 1TB M.2 SSD
² 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)
Dimensions³ 611.72 x 192 x 473.16 mm (24.08 x 7.56 x 18.62 inches) ³ The system dimensions may vary depending on configurations.
Weight⁴ Around 7.1 kg (15.65 lbs) ⁴ 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*^{5 6} 802.11ax (Wi-Fi 6), Bluetooth 5.2 or 5.3 Up to Realtek Wi-Fi 6 RTL8852BE, Bluetooth 5.3 ⁵ Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10. ⁶ Wi-Fi 6 full features might be limited by country-level restrictions. Bluetooth 5.3 operation requires Windows 11. For more information please visit General Bluetooth Support Information on Microsoft .
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

Security⁷ Firmware TPM 2.0 integrated in SoC Kensington Security Slot ⁷ The Kensington security slot is standard configuration on products manufactured after 2025/2/10. 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^{9 10} ENERGY STAR 8.0* EPEAT Gold Registered* GREENGUARD RoHS / WEEE / REACH ErP Lot 3 and Lot 7 ⁹ The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration. ¹⁰ EPEAT is registered where applicable, please see 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. © 2025 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.