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 [1]
Up to 32GB DDR5-5200, two SO-DIMM slots

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

Storage [2]
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)

Dimensions [3]
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.

Weight [4]
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]
802.11ax (Wi-Fi 6), Bluetooth 5.1
Up to Intel Wi-Fi 6 AX201, Bluetooth 5.1

[5]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 [7] [8]
EPEAT Silver Registered*
ENERGY STAR 8.0*
GREENGUARD
RoHS / WEEE / REACH
ErP Lot 3 and Lot 7

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

[8]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

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. © 2023 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.