ThinkCentre neo 50a 24 Gen 5

Experience lightning-fast speeds and extreme multitasking with the device featuring Intel® U Series or 13th Gen Intel® Core™ i7 processors, allowing professionals to crunch through intense reports while streaming without closing a tab. Coupled with Intel® UHD Graphics, immerse yourself in stunning visuals, whether editing photos, watching videos, or gaming. With the desktop's adjustable monitor stand, customize the viewing angle with a tilt range from -5° to +15°, providing the perfect perspective for extended productivity

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 device features dual 3W HARMAN stereo speakers, delivering a rich and immersive audio experience. Simultaneously, the dual-microphone array minimizes background noise, ensuring seamless communication whether you're participating in virtual meetings, recording podcasts, or engaging in online gaming. Additionally, the optional 5MP IR camera with a camera latch, delivers sharp video quality while prioritizing user privacy.

Whether you're running resource-intensive applications, juggling multiple browser tabs, or engaging in creative endeavors, up to 32GB DDR5 memory and up to 1TB SSD storage enables smooth transitions and swift responsiveness, without any delays.

The device features dual 3W HARMAN stereo speakers and dual-microphone array delivering a rich and immersive audio experience whether you're participating in virtual meetings or presenting in online seminars. Additionally, the optional 5MP IR camera with a camera latch delivers sharp video quality while prioritizing user privacy.

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

Lenovo Go Wireless Split Keyboard

- Human-inspired true ergonomic split keyboard with tactile and responsive, scissor switch keys
- 13-degrees splay for straight typing, comfortable neck and shoulders
- 11-degrees vertical tenting for more natural typing posture

PN: 4Y41C33748~4Y41C33789

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Performance

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

Operating System*
Windows 11 Pro or Home
Windows 11 Home Single Language
Ubuntu Linux

Graphics
Intel UHD Graphics (integrated)

Chipset
Intel SoC (System on Chip) platform

Memory [1]
Up to 32GB DDR5-5200

[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
23.8" FHD (1920x1080) IPS display, Anti-glare 16:9
- 250nits, 99% sRGB, low blue light, flicker free, optional touch

Form factor
AIO (23.8 inches)

Dimensions [3]
540 x 192 x 431 mm (21.26 x 7.56 x 16.97 inches)

[3]The system dimensions may vary depending on configurations.

Weight [4]
Around 6.0 kg (13.23 lbs)

[4]The system weight is approximate and may vary depending on configurations

Color
Luna grey

Expansion Slots
One M.2 slot (for WLAN)
One M.2 slot (for SSD)

Connectivity

WLAN + Bluetooth* [5]
802.11ax (Wi-Fi 6), Bluetooth 5.2
Up to Realtek Wi-Fi 6 RTL8852BE, Bluetooth 5.2

[5]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 headphone / microphone combo jack (3.5mm)
1x USB-C (USB 10Gbps / USB 3.2 Gen 2), data transfer and 15W charging

Security & Privacy

Security [6]
Firmware TPM 2.0 integrated in SoC
Kensington Security Slot

[6]The Kensington security slot is standard on models manufactured on or after February 10, 2025. For models manufactured before this date, 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 [8] [9]
ENERGY STAR 8.0*
EPEAT Gold Registered*
GREENGUARD
RoHS / WEEE / REACH
ErP Lot 3 and Lot 7

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

[9]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