

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 USB-C Wireless Mouse

- Ergonomically designed ambidextrous mouse with Villi painted grip and wireless connection via USB-C dongle
- Silent buttons with 2-way scroll wheel (up/down), programmable Utility Button on the side
- Default functions optimized for Teams calls, can be configured through Lenovo Go Central Software



PN: 4Y51C21216

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

ThinkCentre neo 50a 24 Gen 5

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

Up to 32GB DDR5-5200

Storage

One drive, up to 1TB M.2 SSD

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

540 x 192 x 431 mm (21.26 x 7.56 x 16.97 inches)

Weight

Around 6.0 kg (13.23 lbs)

Color

Luna grey

Expansion Slots

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

Connectivity

WLAN + Bluetooth*

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

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

Firmware TPM 2.0 integrated in SoC
Kensington Security Slot

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

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

Other Certifications

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