

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

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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 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

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. © 2026 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.