

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 Professional Wireless Rechargeable Combo Keyboard and Mouse



- Transform your workspace into a clutter-free, cable-free zone for ultimate productivity.
- The mouse's Optical IR Sensor ensures precise tracking, with 4-way scrolling for smooth, versatile navigation.
- Keyboard layouts are tailored to vary by language, ensuring accessibility and usability for all users.

PN: 4X31K03931 - 4X31K03978

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* Ubuntu Linux Windows 11 Home Windows 11 Home Single Language Windows 11 Pro
Graphics Intel UHD Graphics (integrated)
Chipset Intel SoC (System on Chip) platform
Memory¹ Up to 32GB DDR5-5200
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 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)
Dimensions³ 540 x 192 x 431 mm (21.26 x 7.56 x 16.97 inches)
³ The system dimensions may vary depending on configurations.
Weight⁴ 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 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 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^{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.