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

Rugged compact performance primed for business

ThinkCentre Neo series offers organizations 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.

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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..

Return To Depot Repair Warranty

- No-hassle repair process at a Lenovo service center
- Lenovo pays for all shipping between the customer and service facility
- Avoid unplanned operational expense with a simple annual fee

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

ThinkCentre neo 50a 24 Gen 5

Performance

Processor
Intel U-series or 13th Gen Intel Core i3 / i5 / i7

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

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

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 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.

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

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 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. © 2024 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.