

ThinkCentre neo 55a 24 Gen 6

Designed to meet the needs of dynamic business environments, the ThinkCentre, powered by the latest AMD Ryzen™ 5 / 7 200 Series or Ryzen™ AI 5 / 7 300 Series processors, delivers the advanced performance and intelligent efficiency that today's business professionals demand. These processors offer exceptional multi-core performance, ideal for multitasking across productivity apps, data-heavy spreadsheets, and collaboration platforms, ensuring users can stay responsive and efficient throughout the workday. Integrated AMD Radeon™ 860M, 740M, or 780M graphics bring superior visual fidelity and acceleration for graphically demanding tasks, seamless video conferencing, and content rendering. With support for up to 32GB DDR5-5600 high-speed memory and up to 1TB M.2 2280 SSD storage, professionals benefit from rapid data access, fast boot times, and a highly responsive experience across applications.



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.

Featuring a crisp 23.8" screen with an FHD display delivers stunning clarity and vibrant visuals, enhancing productivity and reducing eye strain during long workdays. With 250 nits of brightness, the screen ensures clear visibility even in brightly lit office environments, and optional multi-touch functionality offers intuitive, hands-on control for seamless navigation and collaboration.

Whether you're running resource-intensive applications, juggling multiple browser tabs, or engaging in creative endeavors, up to 32GB DDR5-5600 memory and up to 1TB M.2 2280 SSD storage enable smooth transitions and swift responsiveness, without any delays.

The device features 3W dual HARMAN stereo speakers and a 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

AMD Ryzen 5 / 7 200 Series, or AMD Ryzen AI 5 / 7 300 Series Processor

Operating System*

Windows 11 Pro or Home

NPU*

Integrated AMD Ryzen AI, up to 50 TOPS

Graphics

AMD Radeon 740M Graphics (Integrated)

AMD Radeon 780M Graphics (Integrated)

AMD Radeon 840M Graphics (Integrated)

AMD Radeon 860M Graphics (Integrated)

Chipset

AMD SoC (System on Chip) platform

Memory

Up to 32GB DDR5-5600

Storage

Up to two drives, 2x M.2 SSD

- M.2 2280 SSD up to 1TB

- The second M.2 SSD slot is only for customer self upgrade

To install a second SSD storage, additional thermal is needed.

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 89% adapter

90W 90% adapter

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

539.5 x 192.1 x 431.17 mm (21.24 x 7.56 x 16.98 inches)

Weight

Around 6.0 kg (13.23 lbs)

Color

Luna grey

Bays

No bays

Expansion Slots

One M.2 slot (for WLAN)

Two M.2 slots (for SSD)

Connectivity

Ethernet*

Gigabit onboard Ethernet

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 USB-C (USB 10Gbps / USB 3.2 Gen 2), data transfer only

1x headphone / microphone combo jack (3.5mm)

Security & Privacy

Security

Kensington Security Slot

Environmental

Material

65% PCC ABS plastic in chassis

95% PCC ABS with brand closed-loop material in wired keyboard/mouse 90% PIC EPE cushion

30% OBP in bag

FSC carton in packaging

Lenovo services

Base Warranty

Up to 1-year limited onsite service

Certifications

Green Certifications

ENERGY STAR 9.0*

EPEAT Gold Registered*

ErP Lot 3/7

GREENGUARD

RoHS / WEEE / REACH

Other Certifications

TÜV Rheinland Flicker Free

TÜV Rheinland Low Blue Light

TÜV Rheinland Ultra Low Noise