

ThinkCentre neo 55q Gen 6

Built for professionals who demand seamless multitasking and AI-powered efficiency, this desktop with up to AMD Ryzen™ AI 5 300 Series Processor and optional Integrated AMD Ryzen™ AI delivers up to 50 TOPS of intelligent performance for accelerated workflows. From handling data-intensive reports to rendering design simulations, its up to 64GB DDR5 memory ensures swift responsiveness under pressure. Combined with up to Wi-Fi® 6, it keeps analysts, designers, and developers effortlessly connected, turning everyday tasks into streamlined, high-speed operations that redefine workplace 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.

Designed in a compact Tiny (1L) form factor, this desktop saves space while powering productivity across multiple setups. With support for up to 3 independent displays and a range of USB-A, USB-C, DisplayPort, and HDMI ports, it simplifies multitasking and enhances collaboration across diverse workflows.

Equipped with up to 2TB SSD storage, professionals can securely store and access critical assets instantly. Enhanced protection features like Discrete TPM 2.0, Kensington® Security Slot™, and a Chassis intrusion switch safeguard sensitive data and physical hardware from unauthorized access.

With its compact Tiny (1L) design measuring just 7.05 x 7.2 x 1.36 inches, it optimizes workspace efficiently, fitting seamlessly into crowded desks or offices while maintaining full performance and connectivity for professional tasks.

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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..



Accessories

Lenovo Go Wired Speakerphone



- Microsoft Teams certified, omni-directional far-field 2x microphones array
- Portable plug-and-play capabilities and effortless PC UC support
- Comes with intuitive control with volume wheel, tactile keys, and readable LEDs

PN: 4XD1C82055, GXD1C82051

Lenovo Essential Wireless Combo Keyboard & Mouse Gen 2



- Embrace the freedom of a clutter-free and cable-free work setup.
- Ergonomically sculpted cups and low-profile island keys for maximum comfort.
- A 2.4 MHz receiver for a seamless keyboard and mouse connection.

PN: 4X31N50708 – 4X31N50757

ThinkCentre neo 55q Gen 6

Performance

Processor
AMD Ryzen 3 / 5 / 7 200 Series, or AMD Ryzen AI 5 300 Series Processor

Operating System*
Windows 11 Pro or Home
Windows 11 Home Single Language
Ubuntu Linux
IGEL Linux
No preload operating system

NPU*
Integrated AMD Ryzen AI, up to 50 TOPS

Graphics
AMD Radeon 740M (Integrated)
AMD Radeon 780M (Integrated)
AMD Radeon 820M (Integrated)

Chipset
AMD SoC (System on Chip) platform

Memory
Up to 64GB DDR5-5600, two SODIMM slots

Storage
Up to two drives, 2x M.2 SSD
· M.2 SSD up to 1TB each

Audio*
High Definition (HD) Audio
Single speaker, 2W x1

Power Supply*
90W 90% adapter

Design

Form factor
Tiny (1L)

Dimensions
179 x 182.9 x 36.5 mm (7.05 x 7.2 x 1.44 inches)

Weight
Around 0.89 kg (1.96 lbs)

Color
Raven Black

Expansion Slots
Three M.2 slots (one for WLAN, two for SSD)

Connectivity

Ethernet*
Gigabit onboard Ethernet
2.5GbE Onboard Ethernet*

WLAN + Bluetooth*
802.11ax (Wi-Fi 6) or 802.11be (Wi-Fi 7), Bluetooth 5.2 or 5.4
up to Realtek Wi-Fi 7 RTL8922AE, 802.11be, Bluetooth 5.4

Front ports
1x USB-C (USB 10Gbps / USB 3.2 Gen 2), with data transfer and 5V@3A charging
1x USB-A (USB 10Gbps / USB 3.2 Gen 2), with Always On and 5V@2.1A charging
1x headphone / microphone combo jack (3.5mm)

Rear ports
1x USB-A (USB 10Gbps / USB 3.2 Gen 2)
3x USB-A (Hi-Speed USB / USB 2.0)
1x HDMI 2.1 TMDS
1x DisplayPort 1.4a
1x Ethernet (GbE RJ-45)
1x Power connector
Punch out port (one of VGA / DisplayPort 1.2 / HDMI 2.1 TMDS / serial / 2.5GbE RJ-45)*

Security & Privacy

Security
Discrete TPM 2.0
Kensington Security Slot
Kensington Cable Lock*
Chassis Intrusion Switch
Fingerprint Reader*

Manageability

System Management*
Non-vPro

Environmental

Material
90% PIC recycled plastic EPE cushion or 90% PCC recycled plastic thermal shell with
30% OBP material
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 9.0*
EPEAT 1.0 Gold Registered*
ErP Lot 3/7
GREENGUARD
RoHS / WEEE / REACH

Other Certifications
TÜV Rheinland Ultra Low Noise*

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.