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.

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

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

NPU*
Integrated AMD Ryzen AI, up to 50 TOPS

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

Chipset
AMD SoC (System on Chip) platform

Memory [1]
Up to 64GB DDR5-5600, two SODIMM slots

[1]*The max memory is based on the test results with current Lenovo memory offerings.*

Storage [2]
Up to two drives, 2x M.2 SSD
• M.2 SSD up to 1TB each

[2]*The max capacity of each disk type is based on the test results with current Lenovo storage offerings.*

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

Power Supply*
90W 90% adapter

Design

Form factor
Tiny (1L)

Dimensions [3]
179 x 182.9 x 36.5 mm (7.05 x 7.2 x 1.44 inches)

[3]*The system dimensions may vary depending on configurations.*

Weight [4]
Around 0.89 kg (1.96 lbs)

[4]*The system weight is approximate and may vary depending on configurations*

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* [5]
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

[5]*Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.*

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
Chassis Intrusion Switch
Fingerprint Reader*

Manageability

System Management* [6]
Non-vPro

[6]*Intel vPro offers a superset of DASH's defined capabilities.*

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 [7] [8]
ENERGY STAR 9.0*
EPEAT Gold Registered*
ErP Lot 3/7
GREENGUARD
RoHS / WEEE / REACH

[7]*The items listed under the "Green Certifications" sectio may not only refer to certification but also registration c self-declaration.*

[8]*EPEAT is registered where applicable, please see epeat.net for registration status by country.*

Other Certifications
TÜV Rheinland Ultra Low Noise*