

ThinkCentre neo 50q Gen 6

Built to anchor demanding office workflows, this desktop leverages Intel V Series Core Ultra 5 / 7 Processor with Copilot+ PC capabilities to accelerate analysis, content creation, and multitasking. Integrated Intel AI Boost and high overall TOPS enable on-device AI tasks such as data summarization, automation, and intelligent assistance, while Windows 11 Pro supports secure collaboration, virtualization, and modern management for diverse professional environments, ensuring consistent responsiveness during complex projects, parallel applications, and evolving AI-driven business processes at scale across organizations worldwide.



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.

Engineered for efficiency, the system pairs 16GB LPDDR5x memory with fast M.2 SSD storage to keep datasets, files, and applications readily accessible. Intel UHD integrated graphics further support everyday visualization, reporting, and multi-display productivity without adding complexity or unnecessary power draw in professional business settings.

Designed in a compact 1L Tiny form factor, the lightweight chassis integrates Wi-Fi 7 connectivity and discrete TPM 2.0 security, making the desktop easy to deploy, protect, and manage across fixed workspaces with minimal disruption.

Its compact 1L design optimizes workspace efficiency by fitting seamlessly into desks or behind displays, enabling clean setups, flexible placement, and easier deployment in space-constrained environments without compromising performance or connectivity.

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 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

ThinkVision E24q-30

- Calibrated color accuracy for an immersive visual experience
- Multitask effortlessly with the limitless capability of ports
- Exceptional ergonomic comfort and eco-friendly design



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Performance

Processor

Intel V Series Core Ultra 5 / 7 Processor (Series 2)

Operating System*

Windows 11 Pro or Home

NPU*

Integrated Intel AI Boost, up to 47 TOPS

Integrated Intel AI Boost, up to 40 TOPS

Graphics

Intel UHD graphics (integrated)

Chipset

Intel SoC (System on Chip) platform

Memory¹

16GB soldered LPDDR5x-8533 MoP

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

Storage²

One drive, up to 1TB M.2 SSD

²The 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*

135W 89% adapter

90W 89% adapter

65W 89% adapter

Design

Form factor

Tiny (1L)

Dimensions³

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

³The system dimensions may vary depending on configurations.

Weight⁴

Around 0.89 kg (1.96 lbs)

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

Color

Raven black

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 Intel Wi-Fi 7 RTL8922AE, Bluetooth 5.4

⁵Wi-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

2x USB-A (Hi-Speed USB / USB 2.0), one supports Smart Power On

2x USB-A (USB 10Gbps / USB 3.2 Gen 2)

1x HDMI 2.1 TMDS

1x DisplayPort 1.4b

1x Ethernet (GbE RJ-45)

1x Power connector

Security & Privacy

Security

Discrete TPM 2.0

Kensington Security Slot

Chassis Intrusion Switch*

Lenovo services

Base Warranty

Up to 1-year limited onsite service

Certifications

Green Certifications^{7 8}

ENERGY STAR 9.0*

EPEAT Gold Registered*

RoHS compliant

TCO Certified, generation 10

⁷The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

⁸EPEAT is registered where applicable, please see [epeat.net](https://www.epeat.net) for registration status by country.

Other Certifications

TÜV Rheinland Ultra Low Noise*