

ThinkCentre neo 50q Gen 4

This fast and intuitive 1-liter small form factor equipped with the processing power of up to 13th Gen Intel Core i5 processor delivers high performance to business professionals. Combined with integrated Intel UHD graphics, the desktop enables faster responsiveness for memory-intensive data applications. Additionally, the modern workforce can work efficiently and store heavy files with up to 32GB DDR4 memory and up to 1TB SSD storage.



Rugged compact performance primed for business

ThinkCentre Neo series offers organizations enhanced manageability and security features, along with additional configuration and expansion options.

For enhanced accessibility, the desktop allows professionals to access up to three independent displays via HDMI, DisplayPort, and VGA ports; plus plugging in USB drives, extra cables, or checking a connection is a lot less tedious.

Discreet TPM 2.0 chipset, chassis intrusion switch, Kensington security slot, and BIOS security prevent unauthorized access into the interior of the system.

The device is energy-efficient, with optional Energy Star 8.0 and optional EPEAT Gold certifications, ensuring businesses save money and reduce environmental impact.

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..



On-site Service

- On-site support if needed
- Normally next business day service
- Agreed appointment times

Accessories

ThinkCentre Tiny VESA Mount II

- Supports mounting of a ThinkCentre Tiny to the back of VESA-compatible displays
- Can be used separately or combined with other options for secure mounting
- Simple 4-screw design keeps the device securely attached to the mount



PN: 4XF0N03161

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Performance

Processor 12th Generation Intel Core i3, or 13th Generation Intel Core i5 Processor
Operating System Windows 11 Pro Windows 11 Home Windows 11 Home Single Language Windows 11 DG Windows 10 Pro 64 Ubuntu Linux
Graphics Intel UHD Graphics (integrated)
Chipset Intel SoC (System on Chip) platform
Memory ¹ Up to 32GB DDR4-3200, two SO-DIMM slots
¹ The max memory is based on the test results with current Lenovo memory offerings.
Storage ² Up to two drives, 1x 2.5" HDD + 1x M.2 SSD 2.5" HDD up to 1TB M.2 SSD up to 1TB
² The max capacity of each disk type is based on the test results with current Lenovo storage offerings.
Audio High Definition (HD) Audio, Realtek ALC256 codec
Power Supply * 65W 89% adapter* 90W 89% 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)
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³The system dimensions may vary depending on configurations.

Weight ⁴ Around 1.11 kg (2.45 lbs)

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

Expansion Slots One M.2 slot (for WLAN) One M.2 slot (for SSD)

Cooling system * 1x system fan
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Connectivity

WLAN + Bluetooth * 802.11ax (Wi-Fi 6), Bluetooth 5.2 or 5.3 Up to Realtek Wi-Fi 6 RTL8852BE, Bluetooth 5.3

Front ports 1x USB 3.2 Gen 2 (Always On and 5V@2.1A charging) 1x USB-C 3.2 Gen 2 (support data transfer and 5V@0.9A charging) 1x headphone / microphone combo jack (3.5mm)
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Rear ports 1x HDMI 2.1 TMDS 1x DisplayPort 1.4 2x USB 2.0 2x USB 3.2 Gen 2 1x Ethernet (RJ-45) 1x VGA (Punch out port)* 1x DisplayPort 1.4(Punch out port)* 1x Serial (Punch out port)*
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Security & Privacy

Security Firmware TPM 2.0 integrated in SoC Kensington Security Slot, 3 x 7 mm Chassis intrusion switch

Lenovo services

Base Warranty Up to 1-year limited onsite service

Certifications

Green Certifications ⁵ ⁶ EPEAT Gold Registered* ENERGY STAR 8.0* ErP Lot 3 and Lot 7 TCO Certified 9.0 RoHS compliant

⁵The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

⁶EPEAT is registered where applicable, please see [epeat.net](https://www.epeat.net) for registration status by country.

Other Certifications TÜV Rheinland 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. © 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.