

ThinkCentre neo 50q Gen 5

This intuitive 1-liter tiny form factor, powered by Intel® U-series, 13th Generation Intel® Core™ i3 Processor or Intel® H Series Core 5 / 7 Processor, provides efficient multitasking and responsiveness, whether handling office productivity suites or intensive workloads like data analytics. Integrated Intel® UHD Graphics ensures sharp visuals and smooth rendering, contributing to cost-efficiency and energy savings. Additionally, support for up to three independent displays via onboard DisplayPort, HDMI®, and an optional VGA or second DisplayPort enables multi-monitor setups, enhancing workflow efficiency and allowing professionals to manage tasks, monitor dashboards, and participate in virtual meetings simultaneously.



**Empowering the modern
workforce with a streamlined
desktop experience**

The support for up to 64GB DDR5-5600 memory delivers seamless multitasking and rapid data processing, essential for handling demanding workloads and large datasets. Its compatibility with an optional 100mm VESA mount and Power Adapter Cage provides versatile installation options, allowing for a clutter-free, space-saving setup for office environments or digital signage.

The inclusion of a discrete TPM 2.0 chipset ensures robust hardware-based encryption for sensitive data, enhancing system integrity and compliance with enterprise security standards. Additionally, Kensington® Security Slot™ enables secure anchoring to prevent device theft.

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

Lenovo QHD Webcam

- Adaptive framing, smart focus, clarity
- AI noise-cancelling mic included
- Hassle-free setup and use



PN: 4XC1Q25245

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

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Performance

Processor
Intel U-series, 13th Generation Intel Core i3 Processor or Intel H Series Core 5/7 Processor (Series 2)

Operating System*
Windows 11 Pro
Windows 11 Home
Windows 11 Home Single Language
Ubuntu Linux

Graphics
Intel UHD Graphics (integrated)

Chipset
Intel SoC (System on Chip) platform

Memory^{1 2}
Up to 64GB DDR5-5600, two SO-DIMM slots

¹Installed memory is actually LPDDR5x-8533 but run as LPDDR5x-7467 due to platform limitation.

²The max memory is based on the test results with current Lenovo memory offerings.

²Installed memory is actually DDR5-5600 but may run as DDR5-5200 depending on the memory support capability of Intel Core i3

Storage^{2 3}
Up to two drives, 2x M.2 SSD
M.2 SSD up to 1TB each

²The storage capacity supported is based on the test results with current Lenovo storage offerings.

³The 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*⁴
65W 89% adapter*
90W 89% adapter*
135W 89% adapter*
135W 90% adapter*

⁴When work with TIO monitor, an appropriate power adapter is needed. Customer may need to: · Order a Tiny for TIO MT (I3C6, I3C7) models · Or for Intel Core 5/7 models order an additional 135W power adapter, for Intel Core i3 models order an additional 90W power adapter. If original power adapter is less than 135W (Core 5/7 models) or 90W (i3 models).

Design

Form factor
Tiny (1L)

Dimensions^{5 5}
Tiny only (without rubber feet): 179 x 182.9 x 34.5 mm (7.05 x 7.2 x 1.36 inches)
Tiny only (with rubber feet): 179 x 182.9 x 36.5 mm (7.05 x 7.2 x 1.44 inches)

⁵The system dimensions may vary depending on configurations.

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Weight^{6 6}
Around 1.13 kg (2.45 lbs)

⁶The system weight is approximate and may vary depending on configurations

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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*^{7 8}
802.11be (Wi-Fi 7) or 802.11ax (Wi-Fi 6 / Wi-Fi 6E), Bluetooth 5.2, 5.3 or 5.4
Up to Realtek Wi-Fi 7 RTL8922AE, Bluetooth 5.4

⁷Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.

⁸Wi-Fi 6/6E full features might be limited by country-level restrictions. 6GHz Wi-Fi 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi 6E, and the regional regulatory certifications & spectrum allocation. Bluetooth 5.3 operation requires Windows 11. For more information please visit General Bluetooth Support Information on Microsoft. The bandwidth of WiFi 7 adapter is 160 MHz. Wi-Fi 7 operation is subject to the regulation rules in each country.

Front ports
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)
1x USB-C (USB 10Gbps / USB 3.2 Gen 2), with data transfer and 5V@3A charging

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

Security & Privacy

Security
Discrete TPM 2.0
Kensington Security Slot

Manageability

System Management*^{7 9}
Non-vPro

⁷Intel vPro offers a superset of DASH's defined capabilities

⁹Intel vPro offers a superset of DASH's defined capabilities

Lenovo services

Base Warranty
Up to 1-year limited onsite service

Certifications

Green Certifications^{8 9 10 10 11}
ENERGY STAR 9.0*
EPEAT Gold Registered*
RoHS compliant
TCO Certified 10.0

⁸The items listed under the "Green Certifications" section may not only refer to certification but also registration (self-declaration).

⁹EPEAT registration and ENERGY STAR certification are optional and only available on the models with preload OS.

¹⁰EPEAT is registered where applicable, please see epeat.net for registration status by country.

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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. © 2025 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.