

# 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

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

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..



## 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

# ThinkCentre neo 50q Gen 5

## 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 or Home  
Ubuntu Linux

### Graphics

Intel UHD Graphics (integrated)

### Chipset

Intel SoC (System on Chip) platform

### Memory<sup>1 2</sup>

Up to 64GB DDR5-5600, two SODIMM slots

<sup>1</sup>The max memory is based on the test results with current Lenovo memory offerings.

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

### Storage<sup>3</sup>

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

<sup>3</sup>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\*<sup>4</sup>

65W 89% adapter  
90W 89% adapter  
135W 89% adapter  
135W 90% adapter

<sup>4</sup>When work with TIO monitor, an appropriate power adapter is needed. Customer may need to: · Order a Tiny for TIO MT (13C6, 13C7) 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<sup>5</sup>

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)

<sup>5</sup>The system dimensions may vary depending on configurations.

### Weight<sup>6</sup>

Around 1.13 kg (2.45 lbs)

<sup>6</sup>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\*<sup>7 8</sup>

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

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

<sup>8</sup>Wi-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\*<sup>9</sup>

Non-vPro

<sup>9</sup>Intel vPro offers a superset of DASH's defined capabilities.

## Environmental

### Material

90% PIC recycled plastic EPE cushion  
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<sup>10 11</sup>

ENERGY STAR 9.0\*  
EPEAT Gold Registered\*  
RoHS compliant  
TCO Certified 10

<sup>10</sup>The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

<sup>11</sup>EPEAT is registered where applicable, please see [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

TÜV Rheinland Ultra Low Noise\*