

# ThinkCentre neo 50q Gen 4

## PSREF Product Specifications Reference

### PERFORMANCE

#### Processor<sup>[1]</sup>

Intel® Core™ i5-13420H, 8C (4P + 4E) / 12T, P-core 2.1 / 4.6GHz, E-core 1.5 / 3.4GHz, 12MB

#### Graphics

Integrated Intel® UHD Graphics

#### Chipset

Intel® SoC Platform

#### Memory

1x 16GB SO-DIMM DDR4-3200

#### Memory Slots

Two DDR4 SO-DIMM slots, dual-channel capable

#### Max Memory<sup>[2]</sup>

Up to 32GB DDR4-3200

#### Storage

512GB SSD M.2 2280 PCIe® 4.0x4 NVMe® Opal 2.0

#### Storage Support<sup>[3][4]</sup>

Up to two drives, 1x 2.5" HDD + 1x M.2 SSD

- 2.5" HDD up to 1TB
- M.2 SSD up to 1TB

#### Card Reader

No card reader

#### Optical

None

#### Audio Chip

High Definition (HD) Audio, Realtek® ALC256 codec

#### Speakers

2Wx1

#### Microphone

No microphone

#### Power Supply<sup>[5]</sup>

90W 89% Adapter

### DESIGN

#### Keyboard

USB Calliope Keyboard, Black, English (UK)

#### Mouse

USB Calliope Mouse, Black

#### Optional Bay

2.5" HDD Bracket

#### Expansion Slots

Two M.2 slots (one for WLAN, one for SSD)

#### Case Color

Black

#### System Fan

1x System Fan

#### Stand

None

#### Adapter Cage

None

#### Toolless Chassis Screw

Toolless Chassis Screw

#### Mounting

1x VESA Mount

#### Pen

Pen Not Supported

#### Form Factor

Tiny (1L)

#### Dimensions (WxDxH)<sup>[6]</sup>

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

#### Weight<sup>[7]</sup>

Around 1.11 kg (2.45 lbs)

### CONNECTIVITY

#### Ethernet

Integrated 100/1000M

#### WLAN + Bluetooth®

Intel® Wi-Fi® 6 AX201, 802.11ax 2x2 + BT5.2

#### WWAN

Non-WWAN

#### Front Ports

- 1x USB-C® 3.2 Gen 2 (support data transfer and 5V@0.9A charging)
- 1x USB 3.2 Gen 2 (Always On and 5V@2.1A charging)
- 1x headphone / microphone combo jack (3.5mm)

#### Optional Front Ports (configured)

None

#### Rear Ports

- 2x USB 2.0
- 2x USB 3.2 Gen 2
- 1x HDMI® 2.1 TMDS
- 1x DisplayPort™ 1.4
- 1x Ethernet (RJ-45)

#### Optional Rear Ports (configured)

None

#### Monitor Cable

None

### SECURITY & PRIVACY

#### Security Chip

Firmware TPM 2.0 integrated in SoC

#### Physical Locks

Kensington® Security Slot™, 3 x 7 mm

#### Chassis Intrusion Switch

Chassis Intrusion Switch

### MANAGEABILITY

#### System Management

Non-vPro®

### SERVICE

#### Base Warranty

1-year, Courier or Carry-in

#### Included Upgrade

None

### CERTIFICATIONS

#### Green Certifications

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- ErP Lot 3/7
- RoHS compliant
- TCO Certified 9.0

### SOFTWARE

#### Operating System

Windows® 11 Pro, English

#### Bundled Software

None

### MODEL

<b>Product</b>	: ThinkCentre neo 50q Gen 4	<b>Announce Date</b>	: 2023-10-03
<b>TopSeller</b>	: Yes	<b>End of Support</b>	: 2029-11-18
<b>EAN / UPC / JAN</b>	: 0197531037305		



Product image is a sample, it may not match the real color of this model

Note:

[1] Intel Max Turbo frequency will vary depending on application workload and the hardware and software configurations, see <http://www.intel.com/technology/turboboost/> for more information.

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

[3] The max capacity of each disk type is based on the test.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to

<https://psref.lenovo.com/Detail/2233?M=12LN0061GP>

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Advanced technical support, 24x7x365, in more than 100 markets

Technical Account Managers for proactive relationship and escalation management

Comprehensive hardware & OEM software support

Priority on service delivery and repair parts

Single point of contact for simplified end-to-end case management

Lenovo Service Connect Portal for customized reporting and product support

## Accidental Damage Protection - Protection of your PC from the unexpected.

Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo's Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device has maximum protection, avoid unplanned costs and get peace of mind.

## Base Warranty - Included with the systems you purchase, default 1- or 3-year coverage window.

## Warranty Extensions & Upgrades - Service and protection that's right for your circumstances.

- Pick Up & Return Courier
- Onsite Support
- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

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## Recommended Accessories

### ThinkCentre Tiny VESA Mount II

The ThinkCentre Tiny VESA Mount II is a unique design specific to house the Tiny PC while featuring the universal VESA mount configuration. The VESA standard enables this mount to attach to anything that is VESA comp...

## Recommended Services

BEST	3Y Premier Support Upgrade from 1Y Courier/Carry-in (5WS0T36200)
BETTER	3Y Onsite upgrade from 1Y Courier/Carry-in (5WS0D80935)
GOOD	3Y Courier/Carry-in upgrade from 1Y Courier/Carry-in (5WS0D81011)

For a full list of accessories and services, please visit:  
<https://smartfind.Lenovo.com>

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