

ThinkCentre neo 50q Gen 4

PSREF Product Specifications Reference

PERFORMANCE

Processor^[1]

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 8GB SO-DIMM DDR4-3200

Memory Slots

Two DDR4 SO-DIMM slots, dual-channel capable

Max Memory^[2]

Up to 32GB DDR4-3200

Storage

256GB SSD M.2 2280 PCIe® 4.0x4 NVMe® Opal 2.0

Storage Support^{[3][4]}

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^[5]

65W 89% Adapter

DESIGN

Keyboard

USB Calliope Keyboard, Black, German

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

None

Pen

Pen Not Supported

Form Factor

Tiny (1L)

Dimensions (WxDxH)^[6]

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

Weight^[7]

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)

DP 1.4

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

1Y Onsite from 1Y Depot WHB (CPN)

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, German

Bundled Software

None

MODEL

Product	: ThinkCentre neo 50q Gen 4	Announce Date	: 2023-04-18
TopSeller	: Yes	End of Support	: 2029-11-18
EAN / UPC / JAN	: 0196804571744		



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.....

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To see more note information, please link to <https://psref.lenovo.com/Detail/2233?M=12LN000LGE>

Premier Support - A direct 24x7x365 line to our most elite technicians.

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 Plus (5WS1L39561)
BETTER	3Y Premier Support (5WS0T36147)
GOOD	3Y Onsite (5WS0D80967)

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

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Product Specifications
Reference