

PERFORMANCE**Processor**

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

Graphics

Integrated Intel® UHD Graphics

Chipset

Intel® SoC Platform

Memory

2x 8GB SODIMM DDR4-3200

Memory Slots

Two DDR4 SODIMM slots, dual-channel capable

Max Memory^[1]

Up to 32GB DDR4-3200

Storage

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

Max Storage Support^{[2][3]}

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^[4]

65W 89% Adapter

DESIGN**Keyboard**

USB Calliope Keyboard, Black, English

Mouse

USB Calliope Mouse, Black

Optional Bay

None

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

None

Mounting

None

Pen

Pen Not Supported

Form Factor

Tiny (1L)

Dimensions (WxDxH)^[5]

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

Weight^[6]

Around 1.11 kg (2.45 lbs)

CONNECTIVITY**WLAN + Bluetooth**

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

WWAN

WWAN Not Supported

Ethernet

Integrated 100/1000M

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, Onsite

Included Upgrade

3Y Onsite upgrade from 1Y Onsite

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

Product : ThinkCentre neo 50q Gen 4

TopSeller : Yes **EAN / UPC / JAN**: 198154296599

Announce Date: 2024-06-04 **End of Support** : 2029-11-18

Note:

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

[2] The max capacity of each disk type is based on the test results with current Lenovo storage offerings.

[3] 2.5" HDD bracket kit only comes with pre-configured HDD models.

[4] The optional 90w adapter may increase performance scores when i5-13420H CPUs are installed. When work with TIO monitor, an appropriate power adapter is needed. Customer may need to: ? Order a Tiny for TIO MT (12LQ, 12LR) models ? Or for Intel Core i5 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 (i5 models) or 90W (i3 models).

[5] The system dimensions may vary depending on configurations.

[6] The system weight is approximate and based on results in Lenovo lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.

- Please refer to the official [Lenovo store website](#) or contact a local Lenovo sales representative or authorized business partner for current inventory and purchase options.
- Lenovo reserves the right to change specifications without notice.

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



Lenovo Wireless VoIP Headset (Teams)
4XD1M80020



Lenovo Professional Bluetooth Rechargeable Mouse
4Y51J62544

Please click [here](#) to view the full list of accessories.

Recommended Services

BEST	3Y Premier Support Upgrade from 3Y Onsite (5WS0U26647)
BETTER	5Y Onsite upgrade from 3Y Onsite (5WS0D81042)
GOOD	4Y Onsite upgrade from 3Y Onsite (5WS0D81063)

Lenovo

PSREF
Product Specifications
Reference