ThinkCentre neo 50q Gen 5 13B90048FK

Lenovo PSREF Product Specifications Reference

PERFORMANCE

Processor
Intel® Core™ 5 210H, 8C (4P + 4E) / 12T, P-core 2.2 / 4.8GHz, E-core 1.6 / 3.6GHz, 12MB

Graphics
Integrated Intel® Graphics

Chipset
Intel® SoC Platform

Memory[1]
1x 16GB SO-DIMM DDR5-5600

Memory Slots
Two DDR5 SO-DIMM slots, dual-channel capable

Max Memory[2]
Up to 64GB DDR5-5600

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

Max Storage Support[3]
Up to two drives, 2x M.2 SSD
• M.2 SSD up to 1TB each

RAID Preset
None

Card Reader
No card reader

Optical
None

Audio Chip
High Definition (HD) Audio, Realtek® ALC256 codec

Speakers
2Wx1

Camera
No camera

Microphone
No microphone

Power Supply[4]
90W 89% Adapter

DESIGN

Keyboard
USB, Calliope, Black, English (US)

Mouse
USB Calliope Mouse, Black

Optional Bay
None

Expansion Slots
Three M.2 slots (one for WLAN, two for SSD)

Case Color
Black

Stand
None

Adapter Cage
None

Toolless Chassis Screw
None

Mounting
VESA Mount

IO Box
No IO box

Pen
Pen Not Supported

Form Factor
Tiny (1L)

Dimensions (WxDxH)[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)

Weight[6]
Around 1.13 kg (2.49 lbs)

CONNECTIVITY

WLAN + Bluetooth®[7]
Realtek® Wi-Fi® 6E RTL8852CE, 802.11ax 2x2 + BT5.3

WWAN
Non-WWAN

Ethernet
Integrated 100/1000M

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

Rear Ports
- 2x USB-A (Hi-Speed USB / USB 2.0), one supports Smart Power On
- 2x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 1x HDMI® 2.1 TMDS
- 1x DisplayPort™ 1.4b
- 1x Ethernet (GbE RJ-45)
- 1x Power connector

Optional Rear Ports (configured)
None

Monitor Cable
None

SECURITY & PRIVACY

Security Chip
Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

Fingerprint Reader
No fingerprint reader

Physical Locks
Kensington® Security Slot™, 3 x 7 mm

Chassis Intrusion Switch[8]
Chassis Intrusion Switch

MANAGEABILITY

System Management
Non-vPro®

SERVICE

Base Warranty
1-year, Courier or Carry-in

Included Upgrade
3Y Premier Support Upgrade from 1Y Courier/Carry-in

CERTIFICATIONS

Green Certifications
- ENERGY STAR® 9.0
- EPEAT™ Gold Registered
- RoHS compliant
- TCO Certified 10.0

Other Certifications
TÜV Rheinland® Ultra Low Noise

SOFTWARE

Operating System
Windows® 11 Pro, English

Bundled Software
None

ACCESSORIES

Bundled Accessories
None

MODEL

TopSeller	: No	**Announce Date**	: 2025-07-20
EAN / UPC / JAN	: 199272303961	**End of Support**	: 2031-11-29

Note:
[1] Installed memory is actually DDR5-5600 but may run as DDR5-5200 depending on the memory support capability of Intel Core i3
[2] The max memory is based on the test results with current.....

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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 USB-C to Ethernet Adapter

4X90S91831

The Lenovo USB-C to Ethernet Adapter is quick and easy way to connect your USB-C enabled notebook to Ethernet connections. It's ideal for imaging of systems or transferring large files quickly.



Lenovo Professional Wireless Combo Keyboard & Mouse (US English)

4X30H56796

This sleek and stylish full-size keyboard and mouse combo offers exceptional quality in a modern wireless solution. The slim 3-zone keyboard with number pad has responsive quiet keys and a premium typing experience. O...

Please click here to view the full list of accessories.

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Product Specifications Reference