ThinkCentre neo 50s Gen 5 12XD0087EU

PSREF
Product Specifications Reference

PERFORMANCE

Processor
Intel® Core™ i7-14700, 20C (8P + 12E) / 28T, Max Turbo up to 5.4GHz, P-core 2.1 / 5.3GHz, E-core 1.5 / 4.2GHz, 33MB

Graphics[1]
Integrated Intel® UHD Graphics 770

Chipset
Intel® B760 Chipset

Memory[2]
2x 32GB UDIMM DDR5-5600

Memory Slots
Two DDR5 UDIMM slots, dual-channel capable

Max Memory[3]
Up to 64GB DDR5-5600

Storage
1TB SSD M.2 2280 PCIe® 4.0x4 NVMe® Opal 2.0

Storage Support[4]
- Up to two drives, 1x 3.5" HDD + 1x M.2 SSD
  - 3.5" HDD up to 2TB
  - M.2 SSD up to 1TB
- For installing HDD storage, 3.5" HDD screw and grommet kit is needed.

Card Reader
3-in-1 Card Reader

Optical
9.0mm DVD±RW

Audio Chip
High Definition (HD) Audio, Realtek® ALC623-CG codec

Speakers
1Wx1

Power Supply
260W 90%

DESIGN

Keyboard
USB Calliope Keyboard, Black, English (UK)

Mouse
USB Calliope Mouse, Black

Expansion Slots
- One PCIe® 3.0 x16, low-profile, length ≤ 155mm, height ≤ 70mm
- One PCIe® 3.0 x1, low-profile, length ≤ 155mm, height ≤ 70mm
- Two M.2 slots (one for WLAN, one for SSD)

Case Color
Chassis: Black, Bezel: Grey

Stand
None

Pen
Pen Not Supported

Form Factor
SFF (8.2L)

Dimensions (WxDxH)[5]
92.5 x 291.4 x 339.5 mm (3.6 x 11.5 x 13.4 inches)

Weight[6]
Around 4.2 kg (9.3 lbs)

CONNECTIVITY

Ethernet
Integrated 100/1000M

WLAN + Bluetooth®
None

WWAN
Non-WWAN

Front Ports
- 1x USB-C® (USB 5Gbps / USB 3.2 Gen 1), with 15W charging
- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x headphone / microphone combo jack (3.5mm)
- 1x microphone (3.5mm)

Rear Ports[7]
- 4x USB-A (Hi-Speed USB / USB 2.0), one supports Smart Power On
- 1x HDMI® 2.1 TMDS
- 1x DisplayPort™ 1.4
- 1x VGA
- 1x Ethernet (RJ-45)
- 1x line-out (3.5mm)

Optional Rear Ports (configured)
None

Monitor Cable
None

SECURITY & PRIVACY

Security Chip
Discrete TPM 2.0, TCG certified

Fingerprint Reader
No fingerprint reader

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

Smart Cable Clip
None

Chassis Intrusion Switch
Chassis Intrusion Switch

Additional Security
None

SERVICE

Base Warranty
1-year, Courier or Carry-in

Included Upgrade
3Y Onsite from 1Y Courier/Carry In SEE (CPN)

CERTIFICATIONS

Green Certifications
TCO Certified 9.0

SOFTWARE

Operating System
Windows® 11 Pro, English

Bundled Software
None

ACCESSORIES

Bundled Accessories
None

MODEL

TopSeller	: Yes	**Announce Date**	: 2024-09-30
EAN / UPC / JAN	: 0198155269974	**End of Support**	: 2031-04-30

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

Note:
[1] The information of integrated graphics are not applicable for the models with processor which has no integrated graphics inside (for the details, please refer to processor section).
[2] Installed memory is actually DDR5-5600 but may run as.....

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

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- 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.

Kensington MicroSaver 2.0 Cable Lock from Lenovo

4XE0N80914

Protect your device. Lenovo offers the latest standard in device security – the MicroSaver 2.0 Cable Lock From Lenovo. Engineered to be the smallest, strongest lock for laptops and other devices, the MicroSaver 2.0 re...

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