ThinkCentre neo 50a 27 Gen 5 12SB003JUS

Lenovo PSREF Product Specifications Reference

PERFORMANCE

Processor
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
2x 16GB SO-DIMM DDR5-5200

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

Max Memory[1]
Up to 32GB DDR5-5200

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

Storage Support[2]
One drive, up to 1TB M.2 2280 SSD

Card Reader
No card reader

Optical
None

Audio Chip
High Definition (HD) Audio, Realtek® ALC233-CG codec

Speakers
3Wx2

Camera
5.0MP

Microphone
2x, Array

Power Supply
90W 89% Adapter

DESIGN

Display[3]
27" FHD (1920x1080) IPS Anti-glare 300nits, 99% sRGB

Touchscreen
None

Keyboard
USB Calliope Keyboard, Black, English

Mouse
USB Calliope Mouse, Black

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

Case Color
Luna Grey

Stand
Monitor Stand

Mounting
None

Wireless Charger
None

Pen
Pen Not Supported

Form Factor
AIO (27 inches)

Dimensions (WxDxH)[4]
611.72 x 192 x 473.16 mm (24.08 x 7.55 x 18.62 inches)

Weight[5]
Around 7.1 kg (15.65 lbs)

CONNECTIVITY

Ethernet
Integrated 100/1000M

WLAN + Bluetooth®[6]
Intel® Wi-Fi® 6 AX201, 802.11ax 2x2 + BT5.2

WWAN
Non-WWAN

Rear Ports
- 1x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 2x USB-A (Hi-Speed USB / USB 2.0)
- 1x HDMI®-in 1.4
- 1x HDMI®-out 2.1 TMDS
- 1x Ethernet (RJ-45)
- 1x power connector

Left Ports
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), data transfer only
- 1x headphone / microphone combo jack (3.5mm)

SECURITY & PRIVACY

Security Chip
Firmware TPM 2.0 integrated in SoC

Physical Locks
No physical locks

Chassis Intrusion Switch
No chassis intrusion switch

MANAGEABILITY

System Management
None

SERVICE

Base Warranty
1-year, Onsite

Included Upgrade
None

CERTIFICATIONS

Green Certifications
- ENERGY STAR® 8.0
- EPEAT™ Silver Registered
- ErP Lot 3/7
- GREENGUARD®
- RoHS / WEEE / REACH

Other Certifications
- TÜV Rheinland® Flicker Free
- TÜV Rheinland® Low Blue Light
- TÜV Rheinland® Ultra Low Noise

SOFTWARE

Operating System
Windows® 11 Pro, English

Bundled Software
None

MODEL

TopSeller	: Yes	**Announce Date**	: 2024-09-03
EAN / UPC / JAN	: 198155185342	**End of Support**	: 2031-03-30

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

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] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.
[4] The system dimensions may vary depending on configurations.
[5] 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.
[6] Bluetooth 5.2 requires Windows 11.

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to
https://psref.lenovo.com/Detail/2429?M=12SB003JUS

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

Lenovo may not offer the products, services or features discussed in this document in all regions. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area. Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.

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.

Recommended Services

BEST	4Y Premier Support Plus upgrade from 1Y Onsite (5WS1L39466)
BETTER	3Y Premier Support Plus upgrade from 1Y Onsite (5WS1L39351)
GOOD	3Y Premier Support Upgrade from 1Y Onsite (5WS0T36111)

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

Lenovo **PSREF**
Product Specifications Reference