# ThinkCentre neo 50a 27 Gen 5 12SB000FGE

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**
1x 16GB SO-DIMM DDR5-5200

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

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

**Storage**
512GB 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, German

**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

**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, 11ax 2x2 + BT5.2

**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, Courier or Carry-in

**Included Upgrade**
1Y Onsite from 1Y Depot WHB (CPN)

## CERTIFICATIONS

**Green Certifications**
- ENERGY STAR® 8.0
- EPEAT™ Silver Registered
- ErP Lot 3 and Lot 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, German

**Bundled Software**
None

## MODEL

| | | | |
|---|---|---|---|
| **TopSeller** | : Yes | **Announce Date** | : 2024-01-23 |
| **EAN / UPC / JAN** | : 0197531950703 | **End of Support** | : N/A |

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.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to
https://psref.lenovo.com/Detail/2429?M=12SB000FGE

## 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 Essential USB Mouse**

4Y50R20863

The Lenovo Essential USB Mouse is more than your basic mouse. It features an easy plug-and-play connection to PCs with a USB cable. The ergonomic full-size design provides comfortable grip for all day comfort. A high...

## Recommended Services

| | |
|---|---|
| BEST | 3Y Premier Support Plus upgrade from 1Y Onsite (5WS1L39351) |
| BETTER | 3Y Premier Support Upgrade from 1Y Onsite (5WS0T36111) |
| GOOD | 3Y Onsite upgrade from 1Y Onsite (5WS0D81118) |

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

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