

# ThinkCentre neo 50a 24 Gen 5

## PSREF

Product Specifications  
Reference

### PERFORMANCE

**Processor**  
Intel® Core™ i7-13620H, 10C (6P + 4E) / 16T, P-core 2.4 / 4.9GHz, E-core 1.8 / 3.6GHz, 24MB

**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**<sup>[1]</sup>  
Up to 32GB DDR5-5200

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

**Storage Support**<sup>[2]</sup>  
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 + IR

**Microphone**  
2x, Array

**Power Supply**  
135W 90% Adapter

### DESIGN

**Display**<sup>[3]</sup>  
23.8" FHD (1920x1080) IPS Anti-glare 250nits, 99% sRGB, touch

**Touchscreen**  
10-point Multi-touch

**Keyboard**  
EOS Wireless Keyboard, Black, English (EU)

**Mouse**  
Wireless EOS 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**  
Wireless Charger

**Form Factor**  
AIO (23.8 inches)

**Dimensions (WxDxH)**<sup>[4]</sup>  
540 x 192 x 431 mm (21.25 x 7.56 x 16.97 inches)

**Weight**<sup>[5]</sup>  
Around 6.0 kg (13.23 lbs)

### CONNECTIVITY

**Ethernet**  
Integrated 100/1000M

**WLAN + Bluetooth**<sup>[6]</sup>  
Intel® Wi-Fi® 6 AX201, 802.11ax 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**  
Kensington® Security Slot™, 3 x 7 mm

**Chassis Intrusion Switch**  
No chassis intrusion switch

### MANAGEABILITY

**System Management**  
None

### SERVICE

**Base Warranty**  
1-year, Courier or Carry-in

**Included Upgrade**  
3Y Onsite upgrade from 1Y Courier/Carry-in Promo(CPN)

### 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, Polish / English

**Bundled Software**  
None

### MODEL

<b>TopSeller</b>	: Yes	<b>Announce Date</b>	: 2024-02-20
<b>EAN / UPC / JAN</b>	: 0197531992277	<b>End of Support</b>	: 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/2428?M=12SD000WPB>

## 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 Essential USB Mouse

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

## Recommended Services

BETTER	3Y Premier Support Upgrade from 3Y Onsite (5WS0U26648)
GOOD	4Y Onsite upgrade from 3Y Onsite (5WS0D81224)

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

**PSREF**  
Product Specifications  
Reference