ThinkCentre neo 50a 24 Gen 5 12SD0023PB



The product images are for illustration purposes only. Actual product appearance, ports, keyboard layout, and accessories may vary by model.

- Intel Core™ i5-13420H, 8C (4P + 4E) / 12T, P-core up to 4.6GHz, E-core up to 3.4GHz, 12MB Intel® Smart Cache
- 1x 16GB SODIMM DDR5-5200
- 512GB SSD M.2 2280 PCIe® 4.0x4 NVMe® Opal 2.0
- Integrated Intel® UHD Graphics
- Windows® 11 Pro, Polish / English
- Case color - Luna Grey
- 3Y Onsite upgrade from 1Y Courier/Carry-in Promo(CPN)

Premier Support - A direct 24x7x365 line to our most elite technicians.

- Advanced technical support, 24x7x365, in more than 100 markets
- Comprehensive hardware & OEM software support
- Single point of contact for simplified end-to-end case management
- Technical Account Managers for proactive relationship and escalation management
- Priority on service delivery and repair parts
- 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

Recommended Accessories

Poland



Lenovo Wireless VoIP Headset (USB-C, Teams)

4XD1W27286



Lenovo 900 Multi-Device Wireless Mouse

GY51V37443



Lenovo PS8S Portable SSD 4TB

4XB1T91892

>> View More Accessories

Recommended Services

Best

4Y Premier Support Upgrade from 3Y Onsite (5WS0T36184)

Better

3Y Premier Support Upgrade from 3Y Onsite (5WS0U26648)

Good

4Y Onsite upgrade from 3Y Onsite (5WS0D81224)

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PERFORMANCE

Processor
Intel Core™ i5-13420H, 8C (4P + 4E) / 12T, P-core up to 4.6GHz, E-core up to 3.4GHz, 12MB Intel® Smart Cache

Graphics
Integrated Intel® UHD Graphics

Chipset
Intel® SoC (System on Chip) platform

Memory
1x 16GB SODIMM DDR5-5200

Memory Slots
Two DDR5 SODIMM 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

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

Card Reader
No card reader

Optical
No optical drive

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

Speakers
3Wx2

Camera
5.0MP + IR

Microphone
Dual-microphone array

Power Supply
135W 90% Adapter

DESIGN

Display[3]
23.8" FHD (1920x1080) IPS Anti-glare 250nits, 99% sRGB

Touchscreen
Non-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)[4]
540 x 192 x 431 mm (21.25 x 7.56 x 16.97 inches)

Weight[5]
Around 6.0 kg (13.23 lbs)

CONNECTIVITY

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

WWAN
WWAN not supported

Ethernet
Integrated 100/1000M

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 and 15W charging
- 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[6]

Chassis Intrusion Switch
No chassis intrusion switch

MANAGEABILITY

System Management
Non-vPro

SERVICE

Base Warranty
1-year courier or carry-in service

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

CERTIFICATIONS

Green Certifications
- ENERGY STAR® 9.0
- EPEAT 1.0 Gold 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

TopSeller	: Yes	**EAN / UPC / JAN**	: 0197530794810
Announce Date	: 2024-02-20	**End of Support**	: 2031-03-30

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] The Kensington security slot is standard on models manufactured on or after February 10, 2025. For models manufactured before this date, the Kensington security slot may not be configured, please refer to the actual product.

- Please refer to the official Lenovo store website or contact a local Lenovo sales representative or authorized business partner for current inventory and purchase options.
- Lenovo reserves the right to change specifications without notice.