ThinkCentre neo 50a 24 Gen 7 13RW0019GE



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

- Intel Core™ 5 320, 6C (2P + 4LPE) / 6T, Max Turbo up to 4.6Ghz, 6MB Intel® Smart Cache
- 16GB Soldered LPDDR5X-7467
- 512GB SSD M.2 2280 PCIe® 4.0x4 NVMe® Opal 2.0
- Integrated Intel® Graphics
- Windows® 11 Pro, German
- Case color - Luna Grey
- 1Y Onsite upgrade from 1Y Courier/Carry-in ESS (SHDW 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

Germany



Lenovo 900 Multi-Device Wireless Mouse

GY51V37443



Lenovo Headphone YOGA PC Edition (Seashell)

GXD1U36673



Lenovo USB 20Gbps USB-C to USB-C Cable 1.5m

4X91U92143

>> View More Accessories

Recommended Services

Best

4Y Premier Support for AIPC upgrade from 1Y Onsite (5WS1W19875)

Better

3Y Premier Support for AIPC upgrade from 1Y Onsite (5WS1W19874)

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.

ThinkCentre neo 50a 24 Gen 7 13RW0019GE

PERFORMANCE

Processor
Intel Core™ 5 320, 6C (2P + 4LPE) / 6T, Max Turbo up to 4.6Ghz, 6MB Intel® Smart Cache

AI PC Category
AI PC

Graphics
Integrated Intel® Graphics

Chipset
Intel® SoC Platform

Memory
16GB Soldered LPDDR5X-7467

Memory Slots
Memory soldered to systemboard, no slots

Max Memory[1]
32GB soldered LPDDR5X-7467, not upgradable

Storage
512GB SSD M.2 2280 PCIe® 4.0x4 NVMe® Opal 2.0[2]

Max Storage Support[3]
Up to two drives, 2x M.2 SSD • M.2 2280 SSD up to 1TB each • The second M.2 SSD slot is only for customer self-upgrade

Card Reader
No card reader

Optical
None

Audio Chip
High Definition (HD) Audio, Realtek® ALC3341 codec

Speakers
3Wx2, HARMAN

Camera
5.0MP

Microphone
Dual Microphone

Power Supply
90W 89% Adapter

DESIGN

Display[4]
23.8" FHD (1920x1080) IPS Anti-glare 350nits, 120Hz, 99% sRGB, hardware low blue light, non-touch

Touchscreen
None

Keyboard
USB, Calliope, Black, German

Mouse
USB Calliope Mouse, Black

Expansion Slots[5]
Three M.2 slots (one for WLAN, two for SSD up to PCIe® 4.0 x2)[2]

Case Color
Luna Grey

System Lighting
Adaptive Lighting

Stand
Monitor Stand

Mounting
None

Wireless Charger
No Wireless Charger

Form Factor
AIO (23.8 inches)

Dimensions (WxDxH)[6]
539.2 x 172 x 471.8 mm (21.2 x 6.8 x 18.57 inches)

Weight[7]
Around 4.23 kg (9.31 lbs)

CONNECTIVITY

WLAN + Bluetooth[8]
Realtek® Wi-Fi® 6 RTL8852BE, 802.11ax 2x2 + BT5.4

WWAN
WWAN Not Supported

Ethernet
Integrated 100/1000M

Rear Ports
- 1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), data transfer, power output 5V@3A and DisplayPort™ out 2.1 functions
- 3x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 1x HDMI® (HDMI® in / HDMI® out 2.1 TMDS combo port)
- 1x Ethernet (GbE RJ-45)

Left Ports
- 1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), data transfer, power output 5V@3A and DisplayPort™ out 2.1 functions
- 1x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 1x headphone / microphone combo jack (3.5mm)

SECURITY & PRIVACY

Security Chip
Firmware TPM 2.0 integrated in SoC

Physical Locks
Kensington Security Slot™

MANAGEABILITY

System Management
Non-vPro®

SERVICE

Base Warranty
1-year, Courier or Carry-in

Included Upgrade
1Y Onsite upgrade from 1Y Courier/Carry-in ESS (SHDW CPN)

CERTIFICATIONS

Green Certifications
- ENERGY STAR® 9.0
- EPEAT 1.0 Gold Registered
- EPEAT 2.0 Silver Registered
- ErP Lot 3/7
- Low Halogen
- RoHS / WEEE / REACH

Other Certifications
TÜV Rheinland® Ultra Low Noise

SOFTWARE

Operating System
Windows® 11 Pro, German

Bundled Software
None

MODEL

TopSeller	: Yes	**EAN / UPC / JAN**	: 0828132957913
Announce Date	: 2026-07-31	**End of Support**	: 2033-02-28

Note:
[1] The max memory is based on the test results with current Lenovo memory offerings.
[2] M.2 PCIe 4.0 x4 SSD in an M.2 PCIe x2 slot runs at PCIe 4.0 x2 performance.
[3] The max capacity of each disk type is based on the test results with current Lenovo storage offerings.
[4] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.
[5] The second M.2 SSD slot is only for customer self-upgrade purpose.
[6] The system dimensions may vary depending on configurations.
[7] 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.
[8] Wi-Fi operation (including Wi-Fi 6, Wi-Fi 6E, Wi-Fi 7, etc.) is subject to the regulatory requirements of each country. Bluetooth may operate at a lower version than hardware design depending on the factors such as operating system, driver, etc.

- 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.