ThinkCentre neo 50a 24 12B800C0PG

PSREF
Product Specifications Reference

PERFORMANCE

Processor
Intel® Core™ i5-12450H, 8C (4P + 4E) / 12T, P-core 2.0 / 4.4GHz, E-core 1.5 / 3.3GHz, 12MB

Graphics
Integrated Intel UHD Graphics

Chipset
Intel SoC Platform

Memory
1x 16GB SO-DIMM DDR5-4800

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

Max Memory
Up to 16GB DDR5-4800

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

Storage Support
- For installing HDD storage, assembly kits are needed. The kits only come with HDD models.
- Up to two drives, 1x 2.5" HDD + 1x M.2 SSD
  - 2.5" HDD up to 2TB
  - M.2 SSD up to 1TB

Card Reader
No card reader

Optical
DVD±RW

Audio Chip
High Definition (HD) Audio, Realtek® ALC274-CG codec

Speakers
3Wx2

Camera
5.0MP + IR

Microphone
2x, Array

Power Supply
180W 90%

DESIGN

Display
23.8" FHD (1920x1080) IPS 250nits Anti-glare, 72% NTSC

Touchscreen
None

Keyboard
Calliope Wireless Keyboard, Black, Portuguese

Mouse
Calliope Wireless Mouse, Black

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

Case Color
Raven Black

Stand
Liftable Monitor Stand

Mounting
Supports VESA mount 100mm

Form Factor
AIO (23.8 inches)

Dimensions (WxDxH)
541 x 220 x 482 mm (21.3 x 8.7 x 19 inches)

Weight
Around 7.65 kg (16.9 lbs)

CONNECTIVITY

Ethernet
Integrated 100/1000M

WLAN + Bluetooth®
Intel AX201, 11ax 2x2 + BT5.1

Rear Ports
- 1x HDMI®-in 1.4
- 1x HDMI-out 2.1 TMDS
- 2x USB-C® 3.2 Gen 2
- 1x USB-C 2.0 (Supports data transfer, Power Delivery 3.0)
- 1x USB 2.0
- 1x USB 3.2 Gen 2 (Supports smart power-on)
- 1x Ethernet (RJ-45)
- 1x headphone / microphone combo jack (3.5mm)

Left Ports
1x USB 3.2 Gen 1

Monitor Cable
None

SECURITY & PRIVACY

Security Chip
Firmware TPM 2.0 integrated in SoC

Physical Locks
Kensington® Security Slot™, 3 x 7 mm

MANAGEABILITY

SERVICE

Base Warranty
1-year, Courier or Carry-in

Included Upgrade
1Y Onsite from 1Y Depot WHB (CPN) (5WS1H22630)

CERTIFICATIONS

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

SOFTWARE

Operating System
Windows® 11 Pro, Portuguese / English

Bundled Software
None

ACCESSORIES

MODEL

TopSeller	: Yes	Announce Date	: 2023-01-10
EAN / UPC / JAN	: 0196804204833	End of Support	: N/A



· Lenovo reserves the right to change specifications or other product information without notice.
· Product image on this page is a sample, it may not match the real color of this model

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



Kensington MicroSaver 2.0 Cable Lock from Lenovo

4XE0N80914

Protect your device. Lenovo offers the latest standard in device security – the MicroSaver 2.0 Cable Lock From Lenovo. Engineered to be the smallest, strongest lock for laptops and other devices, the MicroSaver 2.0 re...

Recommended Services

BEST	4Y Lenovo Protect (Premier Support + Keep Your Drive + Accidental Damage Protection + International Upg) (5PS0N73136)
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

Lenovo **PSREF**
Product Specifications Reference