# ThinkCentre neo 50a 24 12B800DDGE

Lenovo PSREF Product Specifications Reference

## PERFORMANCE

**Processor**[1]
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**[2]
Up to 16GB DDR5-4800

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

**Storage Support**[3]
- Up to two drives, 1x 2.5" HDD + 1x M.2 SSD
  - 2.5" HDD up to 2TB
  - M.2 SSD up to 1TB
- For installing HDD storage, assembly kits are needed. The kits only come with HDD models.

**Card Reader**
No card reader

**Optical**
DVD±RW

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

**Speakers**
3Wx2

**Camera**
5.0MP

**Microphone**
2x, Array

**Power Supply**
180W 90%

## DESIGN

**Display**[4]
23.8" FHD (1920x1080) IPS 250nits Anti-glare, 72% NTSC

**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**
Raven Black

**Stand**
Liftable Monitor Stand

**Mounting**
Supports VESA mount 100mm

**Form Factor**
AIO (23.8 inches)

**Dimensions (WxDxH)**[5]
541 x 220 x 482 mm (21.3 x 8.7 x 19 inches)

**Weight**[6]
Around 7.65 kg (16.9 lbs)

## CONNECTIVITY

**Ethernet**
Integrated 100/1000M

**WLAN + Bluetooth®**[7]
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)

## CERTIFICATIONS

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

## SOFTWARE

**Operating System**
Windows® 11 DG Windows 10 Pro 64, German

**Bundled Software**
None

## ACCESSORIES

## MODEL

| | | | |
|---|---|---|---|
| **TopSeller** | : Yes | **Announce Date** | : 2023-02-28 |
| **EAN / UPC / JAN** | : 0196804740669 | **End of Support** | : N/A |



To see more note information, please link to https://psref.lenovo.com/Detail/ThinkCentre_neo_50a_24?M=12B800DDGE.

· 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

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## 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 | 3Y Premier Support Upgrade from 1Y Onsite (5WS0T36111) |
| BETTER | 3Y Onsite upgrade from 1Y Onsite (5WS0D81118) |
| GOOD | 2Y Onsite upgrade from 1Y Onsite (5WS0D81094) |

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

Lenovo **PSREF**
**Product Specifications Reference**