

# ThinkCentre neo 50s Gen 5

## PERFORMANCE

**Processor**  
Intel® Core™ i7-13700, 16C (8P + 8E) / 24T, Max Turbo up to 5.2GHz, P-core 2.1 / 5.1GHz, E-core 1.5 / 4.1GHz, 30MB

**Graphics**  
Integrated Intel® UHD Graphics 770

**Chipset**  
Intel® B760 Chipset

**Memory**  
1x 16GB UDIMM DDR5-5600

**Memory Slots**  
Two DDR5 UDIMM slots, dual-channel capable

**Max Memory**<sup>[1]</sup>  
Up to 64GB DDR5-5600

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

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

- Up to two drives, 1x 3.5" HDD + 1x M.2 SSD
- 3.5" HDD up to 2TB
- M.2 SSD up to 1TB
- For installing HDD storage, 3.5" HDD screw and grommet kit is needed.

**Card Reader**  
None

**Optical**  
9.0mm DVD±RW

**Audio Chip**  
High Definition (HD) Audio, Realtek® ALC623-CG codec

**Speakers**  
1Wx1

**Power Supply**  
260W 90%

## DESIGN

**Keyboard**  
USB Calliope Keyboard, Black, Spanish (LA)

**Mouse**  
USB Calliope Mouse, Black

**Expansion Slots**

- One PCIe® 3.0 x16, low-profile, length ≤ 155mm, height ≤ 70mm
- One PCIe® 3.0 x1, low-profile, length ≤ 155mm, height ≤ 70mm
- Two M.2 slots (one for WLAN, one for SSD)

**Case Color**  
Chassis: Black, Bezel: Grey

**Stand**  
None

**Pen**  
Pen Not Supported

**Form Factor**  
SFF (8.2L)

**Dimensions (WxDxH)**<sup>[3]</sup>  
92.5 x 291.4 x 339.5 mm (3.6 x 11.5 x 13.4 inches)

**Weight**<sup>[4]</sup>  
Around 4.2 kg (9.3 lbs)

## CONNECTIVITY

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

**WWAN**  
Non-WWAN

**Ethernet**  
Integrated 100/1000M

**Front Ports**

- 1x USB-C® (USB 5Gbps / USB 3.2 Gen 1), with 15W charging
- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x headphone / microphone combo jack (3.5mm)
- 1x microphone (3.5mm)

**Rear Ports**<sup>[5]</sup>

- 4x USB-A (Hi-Speed USB / USB 2.0), one supports Smart Power On
- 1x HDMI® 2.1 TMDS
- 1x DisplayPort™ 1.4
- 1x VGA
- 1x Ethernet (RJ-45)
- 1x line-out (3.5mm)

**Monitor Cable**  
None

## SECURITY & PRIVACY

**Security Chip**  
Discrete TPM 2.0, TCG certified

**Fingerprint Reader**  
No fingerprint reader

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

**Smart Cable Clip**  
None

**Chassis Intrusion Switch**  
None

**Additional Security**  
None

## SERVICE

**Base Warranty**  
1-year, Onsite

**Included Upgrade**  
3Y Onsite upgrade from 1Y Onsite

## CERTIFICATIONS

**Green Certifications**  
TCO Certified 9.0

## SOFTWARE

**Operating System**  
Windows® 11 Pro, Spanish

**Bundled Software**  
None

## ACCESSORIES

**Bundled Accessories**  
None

## MODEL

<b>Machine Type</b>	: 12XG	<b>TopSeller</b>	: No
<b>Announce Date</b>	: 2024-12-29	<b>EAN / UPC / JAN</b>	: 198156794659
<b>End of Support</b>	: 2031-04-30		



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] The system dimensions may vary depending on configurations.

[4] 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.

[5] For video ports on discrete graphics, please see graphics section.

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to <https://psref.lenovo.com/Detail/2497?M=12XG001YCS>

## 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

### Lenovo USB-C to Ethernet Adapter

The Lenovo USB-C to Ethernet Adapter is quick and easy way to connect your USB-C enabled notebook to Ethernet connections. It's ideal for imaging of systems or transferring large files quickly.

### ThinkPad USB3.0 to Ethernet Adapter

The ThinkPad USB3.0 to Ethernet Adapter is quick and easy way to connect your notebook and desktop to Ethernet connections. It's ideal for imaging of systems or transferring large files quickly.

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

**PSREF**  
Product Specifications  
Reference