

ThinkCentre neo 50s Gen 5

PERFORMANCE

Processor
Intel® Core™ i7-14700, 20C (8P + 12E) / 28T, Max Turbo up to 5.4GHz, P-core 2.1 / 5.3GHz, E-core 1.5 / 4.2GHz, 33MB

Graphics
Integrated Intel® UHD Graphics 770

Chipset
Intel® B760 Chipset

Memory
2x 16GB UDIMM DDR5-5600

Memory Slots
Two DDR5 UDIMM slots, dual-channel capable

Max Memory^[1]
Up to 64GB DDR5-5600

Storage
1TB SSD M.2 2280 PCIe® 4.0x4 NVMe® Opal 2.0

Max Storage Support^[2]

- 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
3-in-1 Card Reader

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
Vertical Stand

Pen
Pen Not Supported

Form Factor
SFF (8.2L)

Dimensions (WxDxH)^[3]
92.5 x 291.4 x 339.5 mm (3.6 x 11.5 x 13.4 inches)

Weight^[4]
Around 4.2 kg (9.3 lbs)

CONNECTIVITY

WLAN + Bluetooth®
Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 + BT5.3

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^[5]

- 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, FIPS 140-2 certified

Fingerprint Reader
No fingerprint reader

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

Smart Cable Clip
None

Chassis Intrusion Switch
Chassis Intrusion Switch

Additional Security
None

SERVICE

Base Warranty
1-year, Onsite

Included Upgrade
None

CERTIFICATIONS

Green Certifications

- RoHS / WEEE / REACH
- TCO Certified 9.0

SOFTWARE

Operating System
Windows® 11 Pro, Spanish

Bundled Software
None

ACCESSORIES

Bundled Accessories
None

MODEL

Machine Type	: 12XG	TopSeller	: No
Announce Date	: 2024-12-06	EAN / UPC / JAN	: 198156503541
End of Support	: 2031-04-30		



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

4X90S91831

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

4X90S91830

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.

Please click [here](#) to view the full list of accessories.

Lenovo

PSREF
Product Specifications
Reference