

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
- 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, French
- 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)^[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

- Ethernet

Integrated 100/1000M
- WLAN + Bluetooth®

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

Non-WWAN
- 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
- 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, Courier or Carry-in
- Included Upgrade

3Y Onsite upgrade from 1Y Courier/Carry-in

CERTIFICATIONS

- Green Certifications

TCO Certified 9.0

SOFTWARE

- Operating System

Windows® 11 Pro, French
- Bundled Software

None

ACCESSORIES

- Bundled Accessories

None

MODEL

Machine Type	: 12XF	TopSeller	: Yes
Announce Date	: 2025-02-02	EAN / UPC / JAN	: 0198157145832
End of Support	: 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=12XF002CFR>

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.

Kensington MicroSaver 2.0 Cable Lock from Lenovo

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...

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

PSREF
Product Specifications
Reference