

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
- 1x 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, English (EU)
- 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, Polish / English

- Bundled Software
- None

ACCESSORIES

- Bundled Accessories
- None

MODEL

Machine Type	: 12XF	TopSeller	: Yes
Announce Date	: 2025-02-02	EAN / UPC / JAN	: 0198157147058
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=12XF0028PB>

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

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...

Lenovo Professional Wireless Combo Keyboard & Mouse (US English)

This sleek and stylish full-size keyboard and mouse combo offers exceptional quality in a modern wireless solution. The slim 3-zone keyboard with number pad has responsive quiet keys and a premium typing experience. O...

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

PSREF
Product Specifications
Reference