ThinkCentre neo 50s

Fast and intuitive, this new desktop is designed for compact workspaces and crafted for higher performance. Equipped with the higher processing power of 12th Gen Intel Core processor and up to 64GB (3200MHz) memory, it is ideal for the modern workforce looking to boost productivity. Content developers can work seamlessly with its discrete Intel UHD graphics that enhances responsiveness. With up to 16 Gen4 PCIe slots, customize and upgrade the system as and when needed.

The optional Smart Cable enhances connectivity between two computers, to smoothly operate two devices within one device screen while the Intelligent Cooling Engine (ICE 5.0) automatically adjusts the CPU activity with your work modes, enabling power savings and delivering a better work experience.

Equipped to enhance collaboration with high-speed USB ports like USB 3.2 Gen1 and USB 2.0. Additionally, VGA, DP, and HDMI 2.0 ports enable faster video and data transfers.

The device is energy-efficient, with Energy Star 8.0 and EPEAT Gold certifications, ensuring businesses save money and reduce environmental impact.

Rugged compact performance primed for business

ThinkCentre Neo series offers organizations enhanced manageability and security features, along with additional configuration and expansion options.

Lenovo Services

Lenovo delivers tailored sustainability services, devices, and infrastructure solutions from our broad portfolio, working closely with you to support your target outcomes across the IT lifecycle..

Premier Support

- Talk directly with advanced technical support agents
- Support for software & hardware
- Next business day onsite repairs

Accessories

Lenovo 100 Stereo USB Headset

- On-Ear stereo USB headset. Plug and Play with USB-A connector.
- Rotatable Boom Microphone with passive noise cancellation for clearer audio during VoIP calls
- Lightweight design with leather and memory-form earcups for all-day comfort.

PN: 4XD0X88524

ThinkVision T27q-20

- 27" QHD (2560x1440) near-borderless monitor with 99% sRGB colour gamut and anti-glare coating
- 1x HDMI, 1x DisplayPort 1.2, 4x USB3.1, 1x USB 3.1 Type-B upstream, audio out
- Lift, Tilt, Pivot, Swivel stand for viewing comfort. Integrated smartphone holder in base.

ThinkCentre neo 50s

Performance

Processor
Intel Celeron, Pentium, or 12th Gen Core i3 / i5 / i7 / i9

Operating System
Windows 11 Pro 64
Windows 11 Home 64
Windows 11 DG Windows 10 Pro 64
Ubuntu Linux

Graphics [1]
Intel UHD graphics (integrated)
Intel Iris Xe MAX Graphics

[1]*Intel Iris Xe Graphics capability requires system to be configured with dual-channel memory. On the system with single-channel memory, Intel Iris Xe Graphics will function as Intel UHD Graphics.*

Chipset
Intel B660 chipset

Memory [2] [1]
Up to 64GB DDR4-3200, two UDIMM slots

[2]*The max memory is based on the test results with current Lenovo memory offerings.*

[1]*The max memory is based on the test results with current Lenovo memory offerings.*

Storage [3] [2]
Up to two drives, 1x 2.5"/3.5" HDD + 1x M.2 SSD
2.5" HDD up to 1TB
3.5" HDD up to 2TB
M.2 SSD up to 1TB

[3]*The storage capacity supported is based on the test results with current Lenovo storage offerings.*

[2]*The max capacity of each disk type is based on the test results with current Lenovo storage offerings.*

Optical*
DVD-ROM or DVD±RW*

Audio
High Definition (HD) Audio with single speaker

Power Supply*
260W 90%,180W 85% PSU

Design

Form factor
SFF (7.4L)

Dimensions [6] [3]
100 x 308 x 274.8 mm (3.9 x 12.1 x 10.8 inches)

[6]*The system dimensions may vary depending on configurations.*

[3]*The system dimensions may vary depending on configurations.*

Weight [7] [4]
Around 4.5 kg (9.9 lbs)

[7]*The system weight is approximate and may vary depending on configurations*

[4]*The system weight is approximate and may vary depending on configurations*

Color
Black

Bays
1x 2.5"/3.5" disk bay
1x slim ODD bay

Expansion Slots
One PCIe 3.0 x1
One PCIe 4.0 x16
Two M.2 slots (one for WLAN, one for SSD)

Connectivity

Ethernet
Gigabit onboard Ethernet

WLAN + Bluetooth* [8] [9]
802.11ac (Wi-Fi 5) or 802.11ax (Wi-Fi 6), Bluetooth 5.0 or 5.1
Up to Intel Wi-Fi 6 AX201, Bluetooth 5.1

[8]*Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitations.*

[9]*Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.*

Front ports
2x USB 3.2 Gen 1
1x USB-C 3.2 Gen 1 (support data transfer and 5V@3A charging)
1x headphone / microphone combo jack (3.5mm)
1x microphone (3.5mm)
1x card reader*

Rear ports
2x USB 2.0
2x USB 3.2 Gen 1
1x VGA
1x HDMI 2.1 TMDS
1x DisplayPort 1.4
1x Ethernet (RJ-45)
1x line-out (3.5mm)
2x USB 2.0*
1x serial*
1x 2nd serial*
1x parallel*

Security & Privacy

Security
Discrete TPM 2.0
Smart Cable Clip*
Kensington Security Slot
Padlock Loop
Chassis Intrusion Switch*

Lenovo services

Base Warranty
Up to 1-year limited onsite service

Certifications

Green Certifications [10] [11] [12] [5] [6]
EPEAT Gold Registered*
EPEAT Silver Registered*
ENERGY STAR 8.0*
ErP Lot 3
TCO Certified 9.0
RoHS compliant

[10]*The items listed under the "Green Certifications" section may not only refer to certification but also registration self-declaration.*

[11]*EPEAT registration and ENERGY STAR certification are optional and only available on the models with preloaded OS.*

[12]*EPEAT is registered where applicable, please see epeat.net for registration status by country.*

[5]*The items listed under the "Green Certifications" section may not only refer to certification but also registration self-declaration.*

[6]*EPEAT is registered where applicable, please see epeat.net for registration status by country.*

Other Certifications
TÜV Rheinland Low Noise*
TÜV Rheinland Ultra Low Noise*