

Empowering the modern workforce with a streamlined desktop experience

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

ThinkCentre Neo 50t



This new Thinkcentre is designed for growing businesses that demand quicker response times and faster collaboration. Equipped with the higher processing power of 12th Gen Intel Core processor and up to 64GB (3200MHz) memory, it helps to do just that, and more. Discrete Intel UHD graphics enables faster responsiveness for an enhanced content creation and editing experience. 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, while the Intelligent Cooling Engine (ICE 5.0) automatically adjusts the CPU activity with your work modes, maintaining optimum performance even during long computing hours.

Equipped to enhance collaboration with high-speed USB ports like USB 3.2 Gen1 and USB 2.0. Additionally, VGA, DP, and HDMI 1.4 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.

Updated 2026.11.23

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..



Accessories

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 50t

Performance

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

Operating System*
Windows 11 Pro 64

Memory
Up to 64GB DDR4-3200

Storage
3.5" HDD up to 2TB, M.2 SSD up to 1TB

Design

Dimensions
145 x 294 x 340 mm (5.71 x 11.57 x 13.39 inches)

Weight
5.5 kg (12.1 lbs)

Connectivity

Front I/O
2x USB 3.2 Gen 1, 2x USB 3.2 Gen 2, 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)

Rear I/O
4x USB 2.0, 1x VGA, 1x HDMI 1.4, 1x DisplayPort 1.4, 1x serial (9-pin), 1x Ethernet (RJ-45), 1x headphone (3.5mm)

Security & Privacy

Security
Discrete TPM 2.0, TCG certified, Kensington Security Slot, Padlock Loop, Smart Cable Clip

Certifications

Green Certifications
Optional ENERGY STAR®,TCO Certified 9.0, RoHS compliant, REACH, WEEE

Other Certifications
TÜV Rheinland Ultra Low Noise

Information presented here may represent the maximum possible configurations for this product, but it does not necessarily reflect what is available in your region. Please ask your rep or check the specifications for specific Part Numbers in your region. © 2026 Lenovo. Products are available while supplies last. Lenovo is not responsible for photographic or typographic errors. Lenovo, the Lenovo logo, ThinkPad, ThinkCentre, ThinkBook, ThinkStation and ThinkVision are trademarks or registered trademarks of Lenovo. 3rd party product and service names may be trademarks of others. Depending on factors such as the processing capability of peripheral devices, file attributes, system configuration and operating environments, the actual data transfer rate of USB connectors will vary and is typically slower than published standards.