

ThinkCentre Neo 50t Gen 5

Harnessing the power of the 13th or 14th generation Intel® Core™ i7 or Intel® 300 processors, it delivers exceptional performance with advanced multi-core technology, ensuring seamless multitasking, accelerated data processing, and effortless handling of demanding business applications. With Intel® UHD 710, 730, or 770 GPUs, you'll experience stunning visuals and smooth graphics performance, whether you're analyzing data, designing impressive presentations, or engaging in video conferences. Bolstered by up to 32GB DDR5-5600 memory, you can effortlessly handle multiple applications simultaneously without compromising on speed or responsiveness.



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.

Expand your workspace and boost productivity with support for up to three independent displays via HDMI, DisplayPort, and VGA ports, or take advantage of discrete graphics for even more display options. This capability enables professionals to seamlessly connect to a wide range of monitors and projectors, accommodating diverse office setups.

This 13.6L tower is ideal for space-constrained offices offering powerful performance while helping to maintain a clutter-free environment. The optional rear system fan ensures efficient heat dissipation, optimizing performance during intensive tasks and prolonging the lifespan of internal components.

The desktop's Smart Power On feature enhances convenience and efficiency by enabling remote startup which increases accessibility and productivity. It supports scheduled operations, energy-saving configurations, and proactive maintenance, ultimately optimizing workflow and resource utilization.

Updated 2026.11.09



The highest performance desktop

For teams requiring a reliable device to handle diverse workloads, the new-gen ThinkCentre stands ready. Engineered for enterprise-level performance, it efficiently supports your core tasks and manages even the most complex projects. Unleash your creativity and captivate audiences with rich digital content creation, powered by hyper advanced media engine augmented by AI and accelerated by Intel® Arc™ A310 graphics.

Powerhouse Performance

Unlock the potential of high-performance storage with support for up to 1TB M.2 SSD. This empowers professionals to seamlessly edit videos, render 3D graphics, or run virtual machines, all while contributing to efficient system cooling and quieter operation.

Streamlined Connectivity

Accessing data and sharing files on this system has become more convenient. The Smart Cable feature enables the smooth operation of two devices within one device screen, enhancing data exchange between screens and storage, and control through a common mouse and keyboard.

Enhanced Collaboration

Smart Connect optimizes workflow by seamlessly integrating phones, tablets, and PCs, offering cross-device control, synchronized notifications, efficient file sharing, hotspot capability, and more. This feature enhances productivity and simplifies task management.





Lenovo Product Portfolio

Built to reduce environmental footprint

Lenovo is making the industry's broadest portfolio of technology solutions more sustainable to help organizations reduce their environmental impact. As a global technology powerhouse, Lenovo is committed to achieving net-zero greenhouse gas emissions by 2050 with targets validated by SBTi.

Recycled or sustainable product materials

Lenovo embraces sustainability by assimilating recycled materials such as post-consumer recycled content (PCC) in its manufacturing processes. Incorporating these materials makes the manufacturing process energy efficient, leading to a decreased carbon footprint and contributing to a circular economy.

- 85% PCC ABS in chassis

Recycled shipping/packaging content

Lenovo is innovating to increase energy efficiency and the use of recycled content in our devices. By incorporating post-industrial recycled content and recycled ocean-bound plastic, our packaging provides exceptional protection to the device and significantly minimizes waste, while ensuring it undergoes rigorous testing to ensure low chemical emissions.

- Made with 85% PCC for increased ozone-friendliness



Product PCC

85% PCC ABS in chassis

Lenovo Premier Support Plus

Lenovo Premier Support Plus offers comprehensive assistance by freeing IT teams of break/fix responsibilities. Its AI-driven predictive issue detection anticipates problems ensuring uninterrupted productivity, while with 24x7 access to experts, remote fixes are seamless. Plus, Accidental Damage handles mishaps and Keep Your Drive ensures security.

Asset Recovery Service (ARS)

Lenovo's Asset Recovery Services (ARS) enable secure destruction of data, help reduce e-waste, and offer a fair market for your end-of-life IT assets. The service also supports equipment from any manufacturer including PCs & tablets, monitors, servers, phones, printers, copiers, and networking equipment.

Lenovo CO2 Offset Services

Lenovo's Co2 Offset Service makes offsetting carbon emissions simple and within the control of the customer. We offset the carbon emissions across the average lifecycle associated with each of our devices by providing the option at the point of purchase, supporting the United Nations, Gold Standard®, and Climate Action Reserve.

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..



Warranty Extensions

- Purchase additional warranty periods from 1 to 5 years
- Buy at any point with or after your device purchase
- Optional On-site Service

Accessories

Lenovo Wired ANC Headset Gen 2



- Active Noise Cancellation
- Certified for Zoom and Microsoft Teams
- Inline Control Box with LED Indication

PN: Teams : 4XD1M45627, UC : 4XD1M39029

Lenovo Essential Wireless Combo Keyboard & Mouse Gen 2



- Embrace the freedom of a clutter-free and cable-free work setup.
- Ergonomically sculpted cups and low-profile island keys for maximum comfort.
- A 2.4 MHz receiver for a seamless keyboard and mouse connection.

PN: 4X31N50708 – 4X31N50757

ThinkCentre Neo 50t Gen 5

Performance

Processor
13th / 14th Generation Intel Core i3 / i5 / i7 Processor, or Intel 300 Processor

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

Graphics
Intel UHD graphics 710 (Integrated)
Intel UHD graphics 730 (Integrated)
Intel UHD graphics 770 (Integrated)
Intel Arc A310 LP

Chipset
Intel B760 chipset

Memory
Up to 64GB DDR5-5600, two UDIMM slots, dual-channel

Storage
Up to three drives, 1x 3.5"HDD + 1x 2.5"HDD + 1x M.2 SSD
2.5" HDD bay is only for customer self upgrade
3.5" HDD up to 2TB
M.2 SSD up to 1TB

Optical*
DVD-ROM or DVD±RW

Audio*
High Definition (HD) Audio with single speaker

Power Supply*
380W 92% PSU, 310W 92% PSU, 260W 90% PSU, 180W 85% PSU

Design

Form factor
Tower (13.6L)

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

Weight
Around 5.6 kg (12.35 lbs)

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

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

Cooling system*
1x rear system fan

Connectivity

Ethernet*
One Gigabit onboard Ethernet, 1x RJ-45

WLAN + Bluetooth*
802.11ax (Wi-Fi 6), up to Bluetooth 5.2
up to Realtek Wi-Fi 6 RTL8852BE 11ax Bluetooth 5.2

Front ports
1x USB-C (USB 5Gbps / USB 3.2 Gen 1), with 15W charging
4x USB-A (USB 5Gbps / USB 3.2 Gen 1)
1x headphone / microphone combo jack (3.5mm)
1x microphone (3.5mm)

Rear ports
4x USB-A (Hi-Speed USB / USB 2.0)
1x HDMI 2.1 TMDS
1x VGA
1x Ethernet (RJ-45)
1x line-out (3.5mm)
1x DisplayPort 1.4a (HBR2)
1x parallel*
2x PS/2*
2x serial*

Security & Privacy

Security
Discrete TPM 2.0
Kensington Security Slot
Chassis Intrusion Switch*
Smart Cable Clip*
Secure Wipe
Power-on password
Hard disk password (for HDD)
Smart USB protection (allows keyboard / mouse only, blocks all storage devices)
Individual USB port disablement

Environmental

Material
85% PCC ABS used in the chassis
90% PIC recycled plastic EPE cushion
30% OBP used in the device bag
FSC certified carton

Lenovo services

Base Warranty
Up to 1-year limited onsite service

Certifications

Green Certifications
ENERGY STAR 9.0*
EPEAT 1.0 Silver Registered*
EPEAT 1.0 Gold Registered*
RoHS / WEEE / REACH
TCO Certified 9.0

Other Certifications
TÜV Rheinland Ultra Low Noise*

Items with * are optional and only available on selected models. 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.