Lenovo
ThinkCentre

For small and medium businesses to operate more efficiently, they must adapt and scale effectively in response to evolving technological requirements. This necessitates having technology that aligns with the pace of business operations and meets the workforce's needs. As one of the most adaptable types of computers, tower desktops offer a perfect balance of performance and expandability, catering to everything from multitasking to demanding computational tasks.

For teams requiring a reliable device to handle diverse workloads, the ThinkCentre neo 50t Gen 5 stands ready. This device is designed with enterprise-level performance, connectivity, security, and sustainability, supporting your core activities and whatever the day may bring. The ThinkCentre neo 50t excels in manufacturing and product design, serving as a robust desktop for simulations and renderings. This allows for rapid iterations and precise visualizations before prototyping.

Featuring advanced processing power, connectivity features, and quick responsiveness, the ThinkCentre neo 50t Gen 5 equips you to tackle even the most complicated projects efficiently. Its terrazzo exterior enhances its aesthetic appeal, while its environmentally friendly design efficiently advances your sustainability objectives.

ThinkCentre neo 50t Gen 5

intel CORE i7

Up to Intel® Core™ i7 processor

ThinkCentre neo 50t Gen 5

Highly efficient, yet quiet

Efficiently handle resource-intensive and graphics-heavy engineering and analysis tasks with the exceptional performance of the ThinkCentre neo 50t Gen 5. It features **up to Intel® Core™ i7 processor (14th Gen)** and up to 64GB of DDR5 memory. The **Intel® Arc™ A310 graphics[1]** card supports intensive visual operations. Large projects require ample storage, and this system offers up to 1TB SSD storage. The device operates quietly and is ideal for users in compact spaces or environments sensitive to heat or noise, thanks to TÜV Ultra-Low Noise certification. Experience better wireless performance on the device with Wi-Fi 6 connectivity.
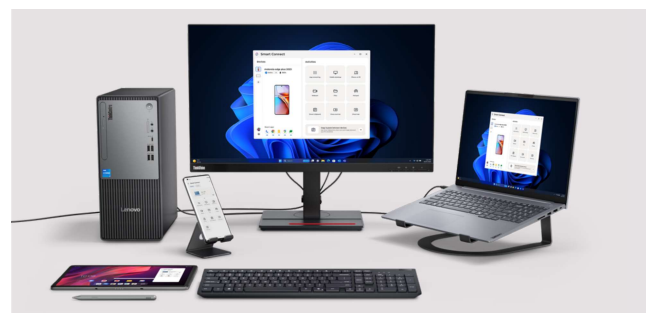
Expand your productivity

Accessing data and sharing files on ThinkCentre neo 50t Gen 5 has become more convenient. **Smart Cable[1]** 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. **Lenovo Smart Storage** allows users to access their data easily at any time. PCIe Gen4 slots boost device usability. DP and HDMI 2.1 help connect to auxiliary devices like monitors or projectors, and USB Type-C connects accessories and transfers files quickly.

Sustainable and secure

ThinkCentre neo 50t Gen 5 is designed responsibly. The **EPEAT™ Gold** and TCO 9.0 certifications ensure that the device meets ecological standards from production to recycling. **ENERGY STAR® 8.0** guarantees reduced power usage. The front bezel of this **13.6L** device comprises 85% post-consumer recycled content, while the packaging uses Ocean-Bound plastic. This device is built secure with a Padlock Loop and the Kensington™ lock for foolproof physical security. **Smart USB Protection** prevents unauthorized data transfer from USB ports by blocking the ports for enhanced data safety.

Keeps it cool

The **Intelligent Cooling Engine 7.0** ensures your ThinkCentre neo 50t Gen 5 can do just that by maintaining temperatures at an optimal level for high-performance computing while carefully controlling power consumption. It has a multimode control based on user scenarios.

Multi-device collaboration

Smart Connect on the ThinkCentre neo 50t Gen 5 enhances productivity by seamlessly linking phones, tablets, and PCs for smooth task transitions and continuous workflow. This feature enables cross-device control, notification synchronization, file sharing, hotspot connectivity, and more.

Up to Intel® Core™ i7 processor

[1]Optional

ThinkCentre neo 50t Gen 5

Sustainable, user-friendly design

Lenovo takes its social and environmental responsibility seriously, as reflected in the ThinkCentre neo 50t Gen 5. This tower desktop is made with responsibly sourced materials and manufactured to reduce emissions and industrial waste.

Prioritizes energy efficiency with ENERGY STAR® 8.0 certification

Made with 85% PCC for increased ozone-friendliness

Services

Lenovo Premier Support Plus
Reduce downtime and increase productivity with direct access to advanced technicians who provide better, faster solutions that work every time—anytime, anywhere.

Lenovo CO$_2$ Offset Services
Make carbon offsetting easy with a seamless, transparent process for Lenovo devices across current IT fleet or new purchases—with a sustainability dashboard to view the offset metrics.

Lenovo Asset Recovery Services
This solution manages IT assets at end-of-life, with a dedicated Lenovo team ensuring environmentally responsible disposal through certified recycling, reuse, and refurbishment.

Warranty Extension (1-year base warranty)
This fixed-term, fixed-cost service helps you accurately budget for desktop expenses, protect your valuable investment, and lower the cost of ownership over time.

Accessories

Lenovo Essential Wireless Combo Keyboard & Mouse Gen 2
The Lenovo Essential Wireless Combo Keyboard & Mouse Gen 2 combines professional aesthetics, masterful ergonomics, and sustainable design for a sophisticated and comfortable office setup. The ultra-slim keyboard features responsive keys, while the full-size mouse offers ambidextrous support, all connected via a reliable 2.4GHz receiver, with 65% post-consumer recycled plastic us ed in its construction.

(PN: 4X31N50708 / 4X31N50757)

Lenovo USB-A Wired Stereo Headset Gen 2
The Lenovo USB-A Wired Stereo Headset Gen 2 offers exceptional call quality, effortless controls for productivity, and supreme comfort with its lightweight design, making it an essential tool for professionals seeking clarity and comfort in their work environment.

(PN: 4XD1P83425)

Lenovo

ThinkCentre neo 50t Gen 5

Performance

Processor
Up to Intel® Core™ i7 processor

Operating System
Windows 11 (Pro, Home, DG)
Ubuntu 22.04

Memory
Up to 64GB DDR5 (5600MHz)
UDIMM

Storage
Up to 1TB M.2 PCIe SSD
Up to 2TB HDD

Graphics
Intel® Arc™ A310[1]
Integrated Intel® UMA

Power supply
180W (85%), 260W (90%)
310W (92%), 380W (92%)

Security

dTPM
Kensington™ Lock Slot
Cable lock[1]
Padlock Loop
Intrusion Switch Cable[1]
Smart USB protection in BIOS
Disable IO ports by BIOS:
USB, Audio
Smart Power On

Connectivity

LAN
10/100/1000M

WLAN
Wi-Fi 6
Bluetooth® 5.2

Rear I/O ports
4 x USB 2.0
1 x Audio out
1 x VGA
1 x HDMI 2.1 TMDS
1 x DP 1.4
1 x Parallel
1 x LAN(1G)
1 x LPT[1]
2 x PS/2[1]
2 x COM[1]

Front I/O ports
1 x USB3.2 Gen1 Type-C
4 x USB3.2 Gen1
1 x Audio Combo
1 x Audio Mic
1 x Card Reader[1]

Expansion Slot
1 x PCIe x 16 Gen3
1 x PCIe x 1

1 x M.2 2280 for SSD
1 x M.2 for Wi-Fi

Internal bay
1 x 3.5" HDD
1 x 2.5'' HDD

External bay
1 x Slim ODD

Design

Form factor
13.6L

Dimensions (D x H x W)
Size w/ package
395 x 530 x 240mm
15.55 x 20.86 x 9.44 inches
Size w/ chassis
294 x 340 x 145mm
11.57 x 13.39 x 5.70 inches

Weight
Weight w/ package: 7kg/15.43lbs.
Weight unpacked: 5.6kg/12.34lbs.

Colors
Chassis: Black

Sustainability

Material
85% PCC in front bezel
Ocean-Bound Plastic

Certifications/Registries
ENERGY STAR® 8.0
EPEAT™ GOLD
TCO 9.0
RoHS
Anti-resonance and Anti-shock
TÜV Ultra-Low Noise

User experience

Smart Power On
Quick Boot
Smart Cable[1]
Intelligent Cooling Engine (ICE 7.0)

Software

Lenovo Vantage
Lenovo Smart Storage
MS Office Trial
McAfee® Livesafe™

Up to Intel® Core™ i7 processor

[1]Optional