ThinkCentre NEO

Engineered to Enhance Business Efficiency

ThinkCentre neo 50t
Tower Desktop

The all-new ThinkCentre neo 50t quenches the need for faster processing, quicker response time, easy collaboration, and high sustainability in a growing business. Equipped with 12th Gen Intel® Core™ i9 Processor, DDR4 memory, and Gen4 SSD storage, the ThinkCentre neo 50t combines massive computing power with robust security features. A wealth of PCIe slots enable expandability when you need to upgrade device performance, and ports, such as USB Type-C, HDMI, and DP, facilitate seamless connectivity across peripherals.

Preloaded with Windows 11 Pro, neo 50t helps you reap the advantages of the latest OS. ThinkShield[1] promises you high-end security, and an eco-friendly design with low carbon emissions ensures energy efficiency. The modern and powerful neo 50t desktop caters to the demands of the new workforce with speed, reliability, and cost-effectiveness, helping you excel in all aspects of the business.

*Monitor, keyboard, and mouse sold separately.

intel®
CORE™
i9

Up to 12th Gen Intel® Core™ i9 processor

[1]Partial compliance

www.lenovo.com

ThinkCentre neo 50t
Tower Desktop

Power-Packed, Highly Efficient, and Quiet

POWERFUL PROCESSING: the latest in-built technology—12th Gen Intel® Core™ processor, DDR4 3200MHz memory—on ThinkCentre neo 50t makes even the most arduous tasks look easy. Up to Gen4 PCIe x16 slot lets you enhance system performance when needed. Gen4 SSD and HDD offer dual drive performance with speed to access applications faster and capacity to store ample data.

SEAMLESS PERFORMANCE: preloaded with Windows 11 Pro, the ThinkCentre neo 50t enhances your computing experience, multi-tasking through sustained computing sessions, or your day-to-day operations. Equipped with Smart Switch ICE 5.0 cooling, it optimizes system performance based on your activity and workload, saving power. Additionally, the Ultra-Low Noise certification ensures that your system emits minimum noise, improving user experience.

ROBUST SECURITY: protect your business data with ThinkShield[1] security solution. Discrete TPM and Smart USB protection safeguard your system from unauthorized data access and threats. Smart Cable Clip,[2] Padlock Loop, and Kensington™ lock slot ensure physical security. Lenovo Vantage lets you run device diagnostics, update drivers, remove unnecessary files, and much more from a single app. Lenovo Fast Boot reduces the boot time by speeding up the Power On process.

CONVENIENT COLLABORATION: accessing data and sharing files is now easier with Smart Cable.[2] It enables the smooth operation of two devices within one device screen and enhances data exchange between screens, keyboards, mouse, files, and storage. In addition, Smart Storage solution provides a convenient way to access, share and automatically backup data while maintaining utmost security and ease of use across multiple devices.

STYLISH YET SUSTAINABLE: new Terrazzo painting-free design gives ThinkCentre neo 50t a modern and stylish look. It comes with 85% PCC in the front bezel that adds to environmental benefits. Additionally, the EPEAT™ Gold and TCO 9.0 certification satisfy sustainable objectives, making it an ideal choice for ecopreneurs.

Up to 12th Gen Intel® Core™ i9 processor

Why you should buy the ThinkCentre neo 50t

UNRESTRAINED PERFORMANCE: with the latest Intel® Core™ processor, up to 64GB memory, and dual drive storage of up to 2TB HDD and 1TB SSD, ThinkCentre neo 50t is all equipped to enhance productivity. Additionally, the ample connectivity options through the multiple ports enable fast and reliable data transmission. Extensive storage and expandability options save cost and facilitate higher performance, helping profitability.

ENHANCED SECURITY AND MANAGEABILITY: get foolproof physical security and prevent component theft with Smart Cable Clip,[2] Padlock Loop, and the Kensington™ lock slot. Encryption of confidential data with ThinkShield[1] and its secure cryptoprocessor assure protection against security breaches. An improved BIOS interface with an Intelligent Cooling Engine (ICE 5.0) which automatically adjusts cooling of the system based on activity, ensures longer life and reliability.

GREEN CERTIFIED FOR A SUSTAINABLE FUTURE: ThinkCentre neo 50t is designed responsibly. EPEAT™ Gold certified, it ensures minimal environmental impact. Energy Star® 8.0 establishes the system's efficiency in power management. TCO 9.0 certification guarantees easy repairability and recycle readiness.

[1]Partial compliance
[2]Optional

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Solutions for a cohesive experience

SMART CABLE[1]
(PN: SC11D96395 / SC11D96396)

This portable plug-and-play smart cable enhances desktop computing and storage sharing capability to work seamlessly between any two computing devices. Smoothly operate two devices within one device screen and switch each device within the same screen with full right to access, copy, move, delete, change and run, edit, save, close applications. Simply transfer pictures, videos, and files with a simple drag-and-drop and switch screens between devices using one set of keyboard and mouse.

THINKVISION T27q-20 MONITOR[2]
(PN: 61EDGAR2WW)

Boost your productivity with ThinkVision T27q-20, a 27-inch monitor equipped with a QHD, In-Plane Switching (IPS) panel for distortion-free images. The 3-sided Near-Edgeless bezel offers a wider screen real estate, while the versatile connection options, including HDMI, DP, and multiple USB 3.1 Gen1 ports, facilitate easy connectivity with peripherals for faster and smoother data transfer.

LENOVO PROFESSIONAL WIRELESS COMBO[2]
(PN: 4X30M39458 / 4X30M39507)

Connect both keyboard and mouse seamlessly using a wireless 2.4GHz dongle. The spill-resistant, wireless keyboard with low profile island-style keys and adjustable tilt leg is responsive and easy to use. The full-size wireless mouse accommodates left- and right-handed users with an ambidextrous design, and 1200 DPI resolution gives more precision and control. It comes with a 1-year warranty.

LENOVO 100 STEREO USB HEADSET[2]
(PN: 4XD0X88524)

Amply suited for business meetings and entertainment, this on-ear commercial stereo USB Headset is equipped with 30mm audio drivers with passive noise cancellation for a high-end audio experience, even for VoIP calls. The rotatable boom microphone and leather and memory-foam earcups deliver maximum ease during collaboration with the team members seamlessly, and its lightweight adds to its comfortability. Additionally, the 1.8m cable enables free motion without restriction during work.

ThinkCentre neo 50t Tower Desktop

PERFORMANCE

Processor
Up to 12th Generation Intel® Core™ i9 Processor

Operating System
Up to Windows 11 Pro

Memory
Up to 64GB DDR4 3200MHz (2 UDIMM)

Storage
Supports up to two drives
Up to 2TB 3.5" HDD
Up to 1TB M.2 PCIe Gen4 SSD

Graphics
Intel® XE DG1
Integrated Intel® UHD graphics

PSU
180W, 260W, 310W, 380W

DESIGN

Form Factor
13.6L

Dimensions (W x D x H)
145 x 294 x 340 mm
5.70 x 11.57 x 13.39 inches

Weight
5.5kg / 12.13lbs.

Color
Chassis: Black
Bezel: Silver

CONNECTIVITY

Front I/O Ports
1 x USB 3.2 Gen1 Type-C
2 x USB 3.2 Gen2
2 x USB 3.2 Gen1
1 x Combo
1 x Mic
Optional Card Reader

Rear I/O Ports
4 x USB 2.0
1 x VGA
1 x HDMI
1 x DP
1 x Audio Out
1 x Serial, Optional 2nd serial
1 x LAN
PS2[1]
Parallel[1]

Expansion Slot
1 x PCIe x 16 Gen4
2 x PCIe x 1

Internal Bay
1 x 3.5" HDD
Optional 1 x 2.5" HDD

External Bay
1 x Slim ODD

WLAN
2 x 2 AX Wi-Fi 6 with Bluetooth 5.2
2 x 2 AC Wi-Fi 5 with Bluetooth 5.0

SECURITY

HW TPM 2.0
Kensington™ lock slot
Padlock Loop
Smart Cable Clip[1]

USER EXPERIENCE

Intelligent Cooling Engine (ICE 5.0)
Smart Cable[1]
Smart Storage[2]

SOFTWARE

Lenovo Vantage

CERTIFICATION

Energy Star® 8.0
EPEAT™ Gold
TÜV Ultra-Low Noise Certification
TCO 9.0

RECOMMENDED SERVICES

Lenovo offers a comprehensive portfolio of services to support and protect your investment—so you can focus on your work, not your IT. Our portfolio of services supports the full lifecycle of your Lenovo IT assets. From initial strategic planning to customized configuration, deployment, support, protection, security, and asset recovery—Lenovo has solutions to help you embrace new workplace technologies.

Premier Support
No matter where you or your employees are located, you have direct, 24x7x365 access to elite Lenovo engineers, unscripted troubleshooting, comprehensive hardware, and OEM software support, priority on service delivery, repair parts, and more.

Lenovo Device-as-a-Service (DaaS)
Combine hardware, services, and software into a single, flexible solution to maintain predictable monthly costs. This innovative, fully managed model drives down capital IT expenses while ensuring your employees experience the latest technology to keep them secure and productive.

Warranty Extension (1-year base, up to 4 years)
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.

Lenovo CO_2 Offset Services
Make offsetting carbon emissions simple and within your control. You can use this service to compensate for environmental impact based on realistic emissions over an average product lifecycle. It is offered as an option at point of purchase, with tangible proof of CO_2 emission that offset.

Up to 12th Gen Intel® Core™ i9 processor