

Lenovo ThinkCentre

Smarter technology for all

Lenovo

ThinkCentre neo 50t Gen 6 is designed to bring the power of AI to every aspect of small & medium businesses: software development, data analysis, image & video editing, marketing, and even retail stores. Armed with the power of the Intel® Core™ Ultra processor with an integrated NPU, Lenovo and Intel's first tower AI PC adds generative AI capabilities to everyday business uses.

As a business-focused device, it features robust security, excellent multitasking capabilities, and plenty of connectivity options with ample ports and next-gen Wi-Fi.



ThinkCentre neo 50t Gen 6



That's the power of Intel Inside®

ThinkCentre neo 50t Gen 6



AI performance, delivered

ThinkCentre neo 50t Gen 6 brings Intel® powered AI to bear for everyday business purposes. Powered by **up to Intel® Core™ Ultra 7 processors with integrated NPU**, and an optional dNPU that boosts AI performance, this device can easily handle much more than routine generative and editing tasks. **Lenovo AI Now** adds on-device AI capabilities without the drawbacks of Cloud platforms, keeping AI tasks local to your device or business. The **AI Turbo Engine** also adds an incredible boost to AI performance.



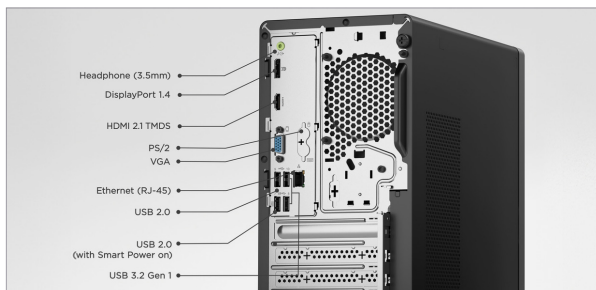
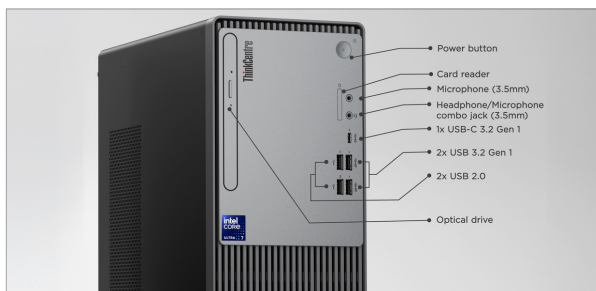
Responsive to any need

Powered by Intel processors and supported by **up to 64GB DDR5 memory**, **up to 2TB SSD storage**, and a **dGPU**,¹ this device is quick and responsive for faster application launches, quicker data management, and other everyday workflows. These desktops deliver powerful performance across the board for any and all business needs. Whether it's handling data, creative needs, or collaboration, it works fast, reducing downtime and eliminating frustration.



A match for any business

ThinkCentre neo 50t Gen 6 excels as a business-focused device. This **13.6L Tower AI PC** delivers exceptional power in a convenient form factor that fits any workspace. It handles tasks easily and leaves room for more productivity with its AI prowess. It helps coders and software developers work faster, speeds up data analysis and debriefings, spreadsheet analysis, and quick touch-ups to creative works. It's also incredibly secure with a **discrete Trusted Platform Module (dTPM 2.0)** and **ThinkShield Security**. **Smart Power On** also prevents unauthorized access to this device, while the **Intelligent Cooling Engine 7.0 (ICE)** keeps the device cool while optimizing for performance, based on usage.



A connectivity powerhouse

ThinkCentre neo 50t Gen 6 is perfect for multitasking with its robust connectivity options. It features **9 USB ports**, **3 display ports**, and **up to Wi-Fi 7** for excellent wireless connectivity. Smart connectivity makes it easy to pair multiple devices together, like your desktop, laptop, and smartphone, for easy cross-device work.

The DisplayPorts help connect multiple monitors together for a seamless experience. It features **USB-C and USB-A ports**, **HDMI 2.1 TMDS**, **DisplayPort 1.4b**, **Serial Ports**, **LAN**, and **audio** connections that cover every user's requirements.



That's the power of Intel Inside®

¹Optional

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ThinkCentre neo 50t Gen 6

Eminently sustainable

Sustainability is a core component at Lenovo. Each device is responsibly manufactured with recycled materials and fewer volatile compounds. The packaging is made of responsibly sourced materials. ThinkCentre neo 50t Gen 6 features **Energy Star® 9²**, **EPEAT™ Gold**, **TÜV Ultra Low Noise**, and **RoHS** certifications. It's part of **Lenovo's CO₂ Offset Service**, and also includes up to **85% post-consumer recycled content (PCC)** in its construction.

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 CO₂ 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 Professional Wireless Keyboard and Mouse Combo

The Lenovo Professional Wireless Keyboard and Mouse Combo is a full-size keyboard and mouse combination in a modern wireless solution. The slim 3-zone keyboard with number pad has responsive quiet keys and a premium typing experience. One touch dedicated media keys put the controls you use most at your fingertips. The ergonomic full-size mouse provides comfort and support for all day use. Complete tasks with ease using the precise 1600dpi laser sensor and 4-way scroll wheel. Connect compatible Lenovo laptops or desktops with just 1 nano receiver.



(PN: 4X30H56796)

Lenovo QHD Webcam

The Lenovo QHD Webcam redefines webcam technology with 2K resolution, superior image quality, innovative design and Microsoft Teams certification, it seamlessly integrates into collaborative work environments. Advanced AI features like auto-framing, face AE/AF and AI noise reduction enhance communication and productivity. It's not just a webcam; it's a comprehensive solution revolutionising video conferencing with its advanced technology and functionality.



(PN: 4XC1Q25245)

²Available with select configurations

ThinkCentre neo 50t Gen 6

Performance

Processor

Up to Intel® Core™ Ultra 7 processor

Operating System

Windows 11
Ubuntu

Memory

Up to 2 x 32GB DDR5 UDIMM

Storage

Up to 2TB Gen 4 SSD
2 x 2280 M.2 SSD PCIe Gen4x4

Graphics

NVIDIA® GeForce RTX 3050 6GB¹
Intel® Arc® A310 4GB¹

Neural Processing Unit

Integrated NPU
Kinara M.2 dNPU¹

Power supply

400W (92%)
310W (92%)
260W (90%)
200W (90%)

Connectivity

LAN

10/100/1000M

WLAN

Wi-Fi 7 160MHz (1 x 2230 M.2 Wi-Fi)
Wi-Fi 6 80MHz

Front I/O ports

3-in-1 Card reader¹
Microphone jack (3.5mm)
Headphone/microphone
combo jack (3.5mm)
1 x USB-C 3.2 Gen 1
2 x USB 3.2 Gen 1
2 x USB 2.0

Rear I/O ports

Headphone jack (3.5mm)
DisplayPort 1.4
HDMI 2.1 TMDS
PS/2¹
VGA
RJ45
USB 2.0
USB 2.0 (With Smart Power On)
USB 3.2 Gen 1

Bays

Internal

1 x 3.5" HDD Bay
1 x 2.5" HDD¹

External

1 x Slim ODD Bay¹

Expansion slot

1 x PCIe x16 (PCIe Gen4)
1 x PCIe

Design

Form factor

13.6L Tower

Dimensions

Without package (L x W x H)

294 x 145 x 340mm
11.6 x 5.7 x 13.4 inch

Weight

Without package (kg/lbs.)

5.6Kg/12.3lbs.

AI Features

Lenovo AI Now
AI Turbo Engine

Security

ThinkShield

Discrete Trusted Platform Module
(dTPM 2.0)
Smart Power On
Kensington™ lock slot

Software

Lenovo Vantage
Microsoft Office Trial
Lenovo Device Manager¹
McAfee LiveSafe Trial
Smart Storage
Smart Connect

Certification

EPEAT™ Gold
Energy Star® 9²
RoHS/GreenGuard
FSC Packaging
TÜV Ultra Low Noise



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¹Optional

²Available with select configurations

© 2025 Lenovo. All rights reserved. Depending on many factors such as the processing capability of peripheral devices, file attributes, and other factors related to system configuration and operating environments, the actual transfer rate using the various USB connectors on this device will vary and is typically slower than the data rates as defined by the respective USB specifications: - 5 Gbit/s for USB 3.1 Gen1; 10 Gbit/s for USB 3.1 Gen2 & 20 Gbit/s for USB 3.2. These products are available while supplies last. Prices shown are subject to change without notice. For any questions concerning price, please contact your Lenovo Account Executive. Lenovo is not responsible for photographic or typographic errors. Warranty: For a copy of applicable warranties, write to: Warranty Information, 500 Park Offices Drive, RTP, NC 27709, Attn: Dept. ZPYA/B600. Lenovo makes no representation or warranty regarding third-party products or services. Trademarks: Lenovo, the Lenovo logo, Rescue and Recovery, ThinkPad, ThinkCentre, ThinkStation, ThinkVantage, and ThinkVision are trademarks or registered trademarks of Lenovo. Microsoft, Windows, and Vista are registered trademarks of Microsoft Corporation. Intel, the Intel logo, Intel Inside, Intel Core, and Core Inside are trademarks of Intel Corporation in the U.S. and/or other countries. Other company, product and service names may be trademarks or service marks of others.

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