

Lenovo ThinkCentre

With an extraordinary—and disruptive—innovative 34L design that elevates the typical tower, the all-new Lenovo ThinkCentre X Tower delivers proven solutions to unleash extreme AI-accelerated performance. Powered by Lenovo's AI Fusion Solution for post-training fine tuning on up to 70B LLM data, this exceptional desktop gives content creators, programmers, and AI researchers the X factor they need to excel. With top-tier power, industry-first AI capabilities, and impressive extension capacity, the Lenovo ThinkCentre X Tower is simply extraordinary.

Fueled by Intel® Core™ Ultra 9 processor powering Intel vPro®, delivering efficient performance to be more productive, more collaborative, more secure, and happier with your technology, the Lenovo ThinkCentre X Tower enables a premium level of computing power and amazing AI capability. The elevated UX includes the Lenovo Sensor Hub, a unique AI assistant with multimodal perception and autonomous task execution, an industry-first biomimetic fan for reduced noise, and seamless cable management for a tidy workspace. With hardy durability that comes standard with every Lenovo device, along with our end-to-end support and services, the new ThinkCentre X Tower also boasts a long lifecycle for a great ROI.

Lenovo ThinkCentre X Tower (Pre-release datasheet for CES 2026)

*Images and specifications are subject to change.



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Smarter
technology
for all

Lenovo



Lenovo ThinkCentre X Tower



EXCEPTIONAL PERFORMANCE

The Lenovo ThinkCentre X Tower accelerates processing power with the 1 TB AI Fusion card and up to two dedicated graphics cards. But what really sets this tower apart from the crowd is the AI Fusion Solution with 70B LLM split-training solution for post-training fine tuning that is tailored, trusted, and affordable for organizations. This impressive on-device capability increases local LLM reasoning and learning, aligning AI performance with user preferences, behaviors, and style for greater efficiency and reliable real-world applications—all with the confident security of IP protection.



INNOVATIVE EXPERIENCE

The groundbreaking features of Lenovo ThinkCentre X Tower provide premium innovative user experiences for desktop users. The Lenovo Sensor Hub provides users with distinctive AI-accelerated UX features that create a smarter, more secure, and more personalized experience. Through multimodal perception, the Lenovo Sensor Hub improves the PC-human experience with autonomous task execution. Plus, on-device processing is fully protected, with local model inferencing, sanitized sensitive data, and encryption, as well as the discarding of raw data post-analysis. Plus, the Perception Engine perceives and reacts to user behavior, including auto-logout, adaptive dimming, and wellness features.



EXTRAORDINARY DESIGN

Engineered to be easily portable for on-the-move movers and shakers, the Lenovo ThinkCentre X Tower reflects Lenovo innovation at every angle. In fact, the unique 34L design can even be doubled up to maximize performance without minimizing your workspace. Inspired by the fluid dynamics of an eagle's wings, the industry-first biomimetic fan increases efficiency and minimizes noise for quieter operation, plus the multi-zone guided air intake design further boosts ventilation. Further keeping this desktop cool and power-efficient, the Lenovo AI Turbo Engine optimizes performance according to tasks. Because modern aesthetics matter too, the ThinkCentre X Tower also boasts I/O ports on top for easy access, an invisible cable management system, and a four-sided cleaning design.

*Optional

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Accessories

Lenovo ThinkVision T27-40

Built for productive connectivity and featuring a dynamic refresh rate of 48-120Hz, this display boasts a vivid FHD IPS screen with 99% sRGB and 99% BT.709. A 5-star Eye Comfort certification from TÜV Rheinland and integrated Natural low Blue Light technology promote all-day comfort, while the latest energy certifications elevate sustainability.



PN: 64ASMAR6WW

Lenovo Professional Wireless Keyboard & Mouse Combo

This slim 3-zone keyboard with number pad has responsive quiet keys and a premium typing experience, as well as one-touch dedicated media keys, putting the controls you use most at your fingertips. The ergonomic full-size mouse provides comfort and support for all day use, with a precise 1600dpi laser sensor and 4-way scroll wheel.



PN: 4X30H56796

Lenovo Sensor Hub

Engineered exclusively for Lenovo ThinkCentre X Tower, the Lenovo Sensor Hub is an AI assistant that improves the PC-human experience with autonomous task execution. Private and secure, with 16 sensors, the Sensor Hub enhances the user experience with intuitive interface. Tap your phone to the device to transfer data, photos, and files. Plus, a single hand pat allows you to mute and unmute your mic or access the AI companion.

Lenovo Services



Protection & Support Services

Premier Support Plus

Direct access to advanced technicians for unscripted solutions, onsite support & a suite of smart services.

Premier Support

Advanced tech support 24/7/365 with single point of contact.

Accidental Damage Protection

Covers inevitable drops, spills & other accidents with unlimited claims for total peace of mind.



Digital Workplace Solutions with xIQ Digital Workplace Platform

TruScale DaaS

Empower everyone with next-gen devices and maximize ROI with one flexible, subscription-based service for device lifecycle management, security, and sustainability.

TruScale DaaS for Sustainability

Modular DaaS solution with Sustainability services that help manage IT carbon footprint, reduce IT costs & boost ROI.

TruScale DaaS for AI PC

Bundles AI-powered devices, infrastructure, and services into a pay-as-you-go XaaS model.

Security Services

Build total cyber-resiliency from pocket to cloud. Strengthen your cybersecurity across every layer of your business with a comprehensive, AI-enabled one-stop solution.

Managed Services

Remote monitoring & management to enhance device health, security & reliability.



AI Services

AI Discover

Assessment of AI readiness across security, people, processes & technology for tailored roadmap to drive business value.

AI Adoption & Change Management

Helps integrate AI technologies, upskill employees, drive engagement to maximize ROI, addressing unique infrastructure & culture challenges.

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Lenovo

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performance

PROCESSOR

Intel® Core™ Ultra 9 processor powering
Intel vPro®

OPERATING SYSTEM

Windows 11 Pro
Windows 11 Home
Windows 11 Home Single Language
Ubuntu 24.04
No preload operation system

GRAPHICS

Integrated Intel® Graphics
NVIDIA® GeForce RTX™ 5090 32G
Dual NVIDIA® GeForce RTX™ 5060 Ti

STORAGE

Up to 14TB total storage (6TB with 3 x
M.2 SSD + 8TB with 2 x 3.5" HDD)

AI FUSION CARD

1 TB

MEMORY

Up to 256 GB DDR5-5600 MT/s CUDIMM

PSU

1200W, 850W, 500W

design

EOU

Toolless cover, memory, disk, extension
card assembly

DIMENSIONS

425 x 225 x 495 mm (with handle)
16.73 x 8.86 x 19.49 in (with handle)

WEIGHT

21 kg/46.3 lbs

EASE OF USE

Health indicator (includes accumulated
dust monitoring and fan status monitoring)

connectivity

TOP PORTS

1x USB-C (USB 20Gbps / USB 3.2 Gen 2x2)
2x USB-A (USB 10Gbps / USB 3.2 Gen 2)
2x USB-A (USB 5Gbps / USB 3.2 Gen 1)
1x Audio combo
Card Reader 3 in 1

REAR PORTS

1x Thunderbolt 4 (40G)
4x USB-A (USB 5Gbps / USB 3.2 Gen 1)
2x Ethernet (RJ-45)
1x DisplayPort™ 1.4a (HBR2, DSC)
1x Audio out
1x Audio in
1x Mic
1x PS/2 (Optional)
1x COM (Optional)

EXPANSION SLOT

3x M.2 for PCIe SSD Gen4x4 (1x Gen 5)
1x M.2 for Wi-Fi
1x PCIe 16x (Gen 5)
2x PCIe 4x

SATA

2x SATA 3.0

BAYS

1x 3.5" disk bay
1x 3.5" disk bay (Optional)

WI-FI

Intel® Wi-Fi® 7 BE200, 802.11be 2x2 Wi-Fi®
No WLAN

sustainability

MATERIAL

85% PCC ABS in chassis
65% PCC ABS (EOS 2.4G wireless)

PACKAGING

97% PIC EPE cushion
30% OBP bag
FSC carton

security

SECURITY CHIP

Discrete TPM 2.0, TCG certified, FIPS
140-2 certified

PHYSICAL LOCKS

Kensington® Security Slot™, 3x7mm
E-lock(optional)

BIOS SECURITY

Administrator password
Hard disk password
Power-on password
Boot sequence control
Boot without keyboard and mouse
Certificate-based BIOS authentication
Individual USB port disablement
Self-healing BIOS (Level 2)
Smart USB protection (allows keyboard/
mouse-only, blocks all storage devices)

MANAGEABILITY

Up to Intel® vPro® Enterprise

green certifications

ENERGY STAR® 9.0 (Optional)
EPEAT™ Gold Registered (Optional)
TCO Certified 10.0 (Optional)
ErP Lot 3
GREENGUARD®
RoHS compliant

other certifications

TÜV Rheinland® Low Noise (Optional)
TÜV Rheinland® Ultra Low Noise (Optional)
MIL-STD-810H military test passed

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*Acronyms:

FSC: Forest Stewardship Council

OBP: Ocean-Bound Plastic (reducing plastic spill into oceans/sea)

PCC: Post-Consumer Content (recycled materials from customers)

PIC: Post Industry Content (recycled materials from internal factories)

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