

ThinkCentre X Ultra

Designed for business professionals who demand efficiency without compromise, the ThinkCentre X Ultra delivers a refined, productivity-first experience. Equipped with the latest AMD Ryzen™ AI Max PRO 400 Series processors, it ensures seamless multitasking and accelerated workflow, while integrated AMD Radeon™ 8065S/8050S Graphics provide sharp visuals for data analysis, presentations, and creative tasks. With up to 128GB LPDDR5X-8533 memory, users can locally employ massive AI models, run multiple apps simultaneously and handle complex 3D data sets with ease.



Empowering the modern workforce with a streamlined desktop experience

ThinkCentre X Series delivers compact, enterprise-grade performance for modern workplaces, combining powerful processors, reliable security, and space-saving design to support everyday multitasking, collaboration, and efficient operations across diverse professional environments.

The device elevates its agentic AI capability with an innovative cluster solution that connects up to four systems into a unified AI computing platform, enabling smoother compute scheduling, multi-AI-agent collaboration, and progressive infrastructure scaling. Engineered for intuitive interaction and flexibility, this user-centric device also lets you visualize real-time AI workload activity and monitor system and cluster status with the adaptive lighting language that dynamically conveys computing status.

By keeping business data off the cloud, the robust on-device AI capabilities of the device unlock secure, personalized efficiency with localized models. And for elevated protection from the supply chain to below the OS, Lenovo ThinkShield delivers end-to-end security that's comprehensive, modern, and resilient.

ThinkCentre X Ultra is engineered to sustain peak performance for demanding AI and business workloads with a patented biomimetic thermal architecture that optimizes airflow for quiet, efficient, and stable cooling. Its advanced design helps balance system acoustics and thermal efficiency, while an extendable computing cluster solution enables organizations to run larger AI models, improve reliability, and scale computing capacity as requirements evolve.

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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..



Premier Support Plus

- Helping IT predict and prevent device downtime
- Elite 24x7 expert support empowers IT and users alike
- AI insights help resolve issues before they impact business

Accessories

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

Lenovo ThinkVision P40WD-40 Monitor



- Adaptive refresh rates for seamless visuals and efficiency
- Immersive 2500R curve screen for immersive visual experience
- Streamlined multi-monitor synergy with ultra-thin bezels

PN: 4XF1R07369

ThinkCentre X Ultra

Performance

Processor
AMD Ryzen AI Max 300, Ryzen AI Max 400 and Ryzen AI Max PRO 400 Series Processor

Operating System*
Windows 11 Pro
AMD Ryzen AI Developer Platform

NPU*
Integrated AMD Ryzen AI, up to 55 TOPS

Graphics
AMD Radeon 8065S
AMD Radeon 8050S

Chipset
AMD SoC (System on Chip) platform

Memory
128GB Soldered LPDDR5X-8533
64GB Soldered LPDDR5X-8000

Storage
Dual SSD mode: up to two drives, 2x M.2 SSD
• M.2 2280 SSD up to 4TB

Audio*
High Definition (HD) Audio
Single speaker, 2W x1

Power Supply*
245W 90%

Design

Form factor
Tiny (1.6L)

Dimensions
183 x 183 x 51 mm (7.2 x 7.2 x 2 inches)

Weight
Around 2 kg (4.41 lbs)

Color
Thunder grey

Expansion Slots
Three M.2 slots (one for WLAN, two for SSD)

Connectivity

Ethernet*
10GbE onboard Ethernet
10GbE onboard Ethernet*

WLAN + Bluetooth*
802.11be (Wi-Fi 7), Bluetooth 5.4
Up to Realtek Wi-Fi 7 RTL8822AE, Bluetooth 5.4

Front ports
2x USB-C (USB 10Gbps / USB 3.2 Gen 2), with data transfer and 5V@3A charging
1x headphone / microphone combo jack (3.5mm)

Rear ports
2x USB-A (USB 10Gbps / USB 3.2 Gen 2), one supports Smart Power On
1x DisplayPort 2.1 UHBR10
1x HDMI 2.1 FRL
2x USB-C (Thunderbolt 4 / USB4 40Gbps), support data transfer, 5V@3A charging and DisplayPort 2.1
1x Ethernet (10GbE, RJ-45)
Flex I/O port (one of VGA / DisplayPort 2.1 UHBR10 / HDMI 2.1 FRL / Serial / 10GbE RJ-45)*

Security & Privacy

Security
Discrete TPM 2.0
Kensington Security Slot
Fingerprint Reader*

Manageability

System Management*
AMD PRO technology with DASH and AIM-T
DASH

Environmental

Material
Bamboo fiber bag
FSC carton
65% PCC PC/ABS in chassis
95% PCC ABS in KB/mouse
65% PCC ABS (Wireless EOS Mouse)

Lenovo services

Base Warranty
Up to 3-year limited onsite service

Certifications

Green Certifications
ENERGY STAR 9.0*
EPEAT 2.0 Gold Registered*
TCO Certified 10*
ErP Lot 3
RoHS compliant

Other Certifications
TÜV Rheinland Ultra Low Noise*
MIL-STD-810H military test passed

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.