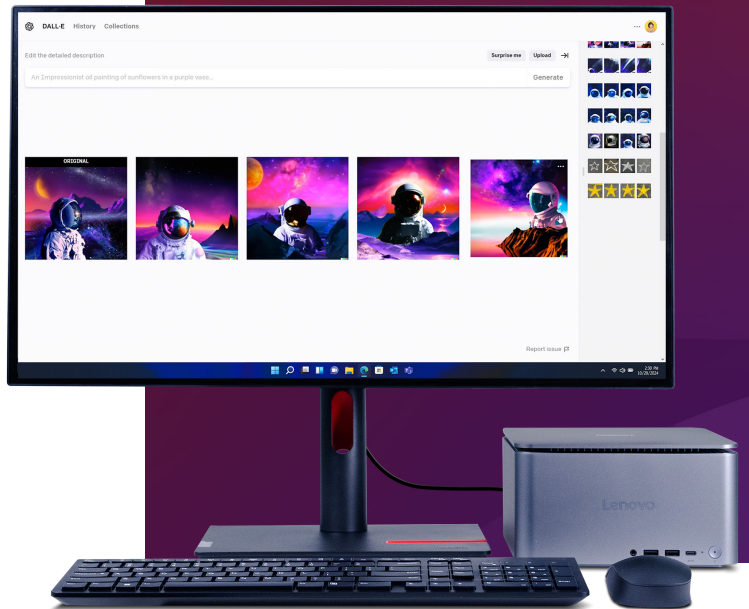# Lenovo
ThinkCentre

Enterprises are increasingly recognizing the potential of Generative AI, with nearly 46% of SMBs expressing a strong interest in experimenting with this transformative technology, according to an IDC report.[1] This powerful technology has made a splash this year, benefiting both enterprises and creative professionals. AI has proven to be a catalyst, supercharging business productivity and fostering creativity among the workforce.
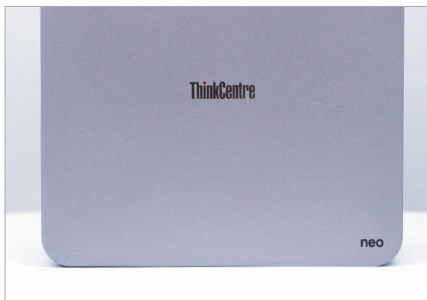
Introducing **Lenovo ThinkCentre neo Ultra** – a game-changing Ultra Small form factor desktop designed specifically for enterprises. It delivers a world-class business solution with Intel vPro® platform with up to Intel® Core™ i9 processor. Tailored for various business pursuits, this device gets an AI assist from the independent Neural Processing Unit (NPU) card, delivering smarter computing and greater productivity for your everyday tasks. ThinkCentre neo Ultra helps with multimedia production, workflow automation, coding, customer service, and more in a completely scalable and secure way.

ThinkCentre neo Ultra
(Pre-release datasheet for CES 2024)

*Keyboard and mouse sold separately

Top view

Front view

Rear view

intel.
vPRO
i9

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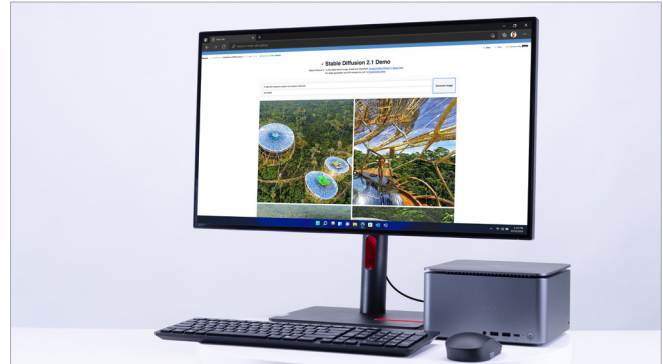
ThinkCentre neo Ultra

Exploring transformative use cases

ThinkCentre neo Ultra is crafted to elevate and streamline AI workflows. An independent NPU, along with a powerful CPU and GPU seamlessly work together to guarantee a scalable work experience.
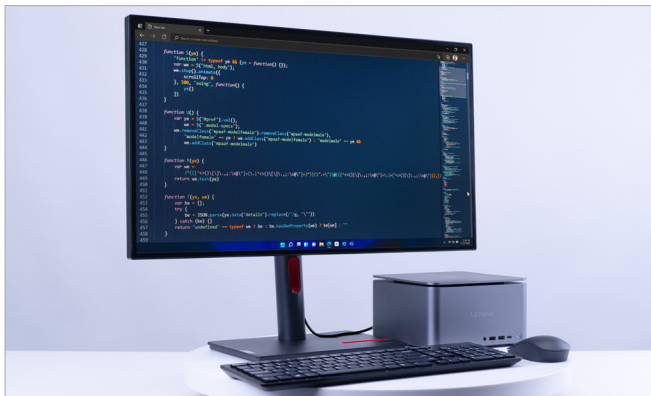

AI live-streaming

AI-based live-streaming benefits enterprises, enabling meetings, pitches, and product showcases through virtual interactions. With personalized avatars and immersive environments, this device optimizes the live-streaming experience, elevating quality and interactivity.

Multimedia AIGC production

The integrated AI applications on this device facilitate easy and secure content creation, editing, and publication. Designed to swiftly integrate with enterprise use cases, these tools accelerate tasks like audio creation and editing, video editing, image generation, and more.

Code generation

Utilizing its independent NPU card, this device streamlines the coding process. Enterprises can automate repetitive tasks, quickly implement code snippets, and optimize debugging for a significant efficiency boost, enabling increased focus on higher-level coding.

Remote VR assistance

This versatile ultra small form factor desktop accelerates content creation for VR devices for remote maintenance, especially in automotive and manufacturing enterprises. It also enables seamless planning and execution of product demonstrations and live shoots.

intel vPRO i9

Intel vPro® with Intel® Core™ i9 processor for an unrivaled business-class PC solution

*Images and specifications are subject to change

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Lenovo

ThinkCentre neo Ultra

Power unleashed
Up to Intel® Core™ i9 processor delivers unmatched power for demanding tasks, ensuring swift multitasking and seamless content creation. Intel vPro® Enterprise enhances the device's functionality with robust below-the-OS hardware security and remote management, providing a professional computing experience. Paired with up to 64GB DDR5 memory and a spacious up to 4TB SSD, it handles heavy-duty tasks effortlessly. An NVIDIA® GeForce RTX™ 4060 graphics card supports creative uses to pair with its Generative AI potential. With Wi-Fi 7, this device delivers a wired-like networking experience, meeting diverse demands for Generative AI applications, data transfer, video calls, streaming, and more.
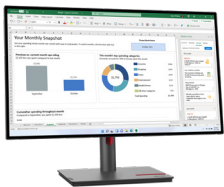
Accelerated for AI
ThinkCentre neo Ultra's independent dedicated NPU or AI accelerators play a pivotal role in meeting the essential scalability demands of AI applications. It contributes significantly to achieving the Trillion Operations Per Second (TOPS) required for an AI-powered PC. AI accelerator heightens AI inference on the PC, allowing enterprises to quickly implement, and securely run AI-based solutions at scale. This on-premise processing introduces new experiences and enhances data privacy and IP protection.

Blending style and functionality
ThinkCentre neo Ultra's compact 3.6L chassis packs a punch, offering user-centric features. Its Ultra-Small Form Factor houses a built-in Power Supply Unit (PSU), streamlining the setup with a single power cable. The triple cooling fan ensure efficient cooling. The Luna Grey body, made from recycled metal and plastic, reflects a commitment to sustainability. Boasting eight DisplayPort slots, users experience seamless multi-monitor support. The integrated RAID system ensures ongoing data backup, reducing the likelihood of data loss.

Accessories

(PN: 63A1GAR1WW, 63A1GAR1US)

ThinkVision P27h-30 Monitor
The ThinkVision P27h-30 is a brilliant, versatile performer tailored to your needs. The monitor boasts of 99% sRGB, and 95% DCI-P3, ensuring sharp images and wide-viewing angles. Its one-cable USB-C connectivity serves as an efficient docking station for multitasking with multiple devices.

(PN:4X30M39458)

Lenovo Professional Wireless Combo
With a slim keyboard and standard-size mouse it offers functionality and comfort. With a single nano receiver for Lenovo devices, connectivity is seamless. Crafted with 65% PCC, this combo is sustainable too.

(PN: 12DE0003US)

Lenovo ThinkReality VRX Headset
Powered by Qualcomm Snapdragon XR2+ Gen 1[2] chipset, it offers immersive experiences. It boasts 2280 x 2280 per eye resolution, and four front cameras enable 6DoF (six degrees of freedom) tracking.

intel.
vPRO
i9

www.lenovo.com/ces

Lenovo

ThinkCentre neo Ultra

Performance

Processor
Up to Intel® Core™ i9 processor
on Intel vPro® Enterprise platform

Operating System
Windows 11 Pro
Windows 11 Home

Memory
Up to 64GB DDR5 (5200MHz)
2 x SODIMM

Storage
Up to 4TB
2 x SSD slot

Graphics
NVIDIA® GeForce RTX™ 4060

Power supply
350W internal PSU

Audio
Normal speaker[1]
Premium 2W internal speaker[1]

Security

HW-TPM 2.0
Kensington™ Slot
Smart USB protection in BIOS
Disable IO ports by BIOS
Smart Power On
Intel vPro® Enterprise

Connectivity

LAN
1G LAN

WLAN
Up to Wi-Fi 7
Bluetooth® 5.2

Front I/O ports
1 x USB 3.2 Gen2 Type-C
2 x USB 3.2 Gen2 Type-A
1 x Audio Combo

Rear I/O ports
2 x USB 3.2 Gen2 Type-A
2 x USB 3.2 Gen1 Type-A
1 x HDMI 2.1 TMDS
1 x DP 1.4
1 x RJ45
1 x HDMI 2.1 (dGPU)
3 x DP 1.4 (dGPU)
Flex IO port #1 (VGA/DP/HDMI/
Type-C/Serial)
Flex IO port #2 (VGA/DP/HDMI/
Serial/LAN)

Design

Form factor
3.6L Ultra Small

Dimensions (W x D x H)
195 x 195 x 107mm
7.67 x 7.67 x 4.21 inches

Weight
3.25kg/7.16lbs.

Color
Luna Grey

Sustainability

Material
Top cover
Aluminum (50% Hydro
& 50% recycled)
Paint (waterborne)
Top inner
Plastic textured (biomass)
Middle body
Aluminum
Bottom cover
Plastic textured (biomass)

Certifications/Registries
ENERGY STAR® 8.0
EPEAT™ Gold
GreenMark
Product Carbon Footprint
85% PCC
Low Halogen
TÜV Low Noise
TCO 9.0

Software

McAfee LiveSafe
MS Office Trial (except Japan)
Lenovo AI

[1]Optional

Intel vPro® with Intel® Core™ i9 processor
for an unrivaled business-class PC solution

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