ThinkPad X1 2-in-1 Gen 9

Supercharge your productivity and breeze through your workday with the AI-enabled 2-in-1 ThinkPad. Whether you're building complex spreadsheets, uploading hefty reports, or engaging in virtual team meetings, the Intel® Core™ Ultra processors that unlocks your AI experiences, and is optimized for seamless multitasking on the move. The dedicated AI engine works with Windows Studio Effects, contributing to an immersive multimedia experience with enhanced visuals and realistic audio that makes video streaming and content consumption more enriching. Additionally, this powerhouse optimizes system resources, ensuring optimal performance for both standard computing tasks and resource-intensive applications.

Redefining possibilities with powerful performance and groundbreaking on-device AI

ThinkPad X1 series laptops are chosen by professionals for their durability, portability, and powerful performance. With high-resolution displays, robust processors, and extensive connectivity options, they excel in productivity tasks.

Computer Vision technology with human presence detection serves as a robust safeguard, thwarting unauthorized access to sensitive information by automatically locking the screen. Moreover, this function establishes an intuitive framework for the system to learn and adapt to distinctive user preferences over time, creating a hyper-personalized and responsive computing environment.

The 2.8k OLED display upgrade from 90Hz to 120Hz with an impressive 87.8% screen-to-body ratio, provides stunning visuals, significantly enhancing the experience for professionals working on intricate datasets. The enhanced TrackPad with Haptic Touchpad supports multi-touch gestures, enabling seamless interaction and navigation through data applications.

Using the MoC security architecture, the new fingerprint reader integrated into the keyboard accelerates the authentication process, ensuring a secure login with a simple touch. Additionally, the 'lock on leave' feature automatically locks the laptop when the user steps away, safeguarding sensitive data from prying eyes.

Unlock next-gen AI experiences

The ThinkPad multimode comes with a dedicated AI engine as part of the new Intel® Core™ Ultra processor along with Intel® Graphics that deliver high-performance computing solutions for accelerated content creation and immersive gaming. And it's an Intel Evo™ Edition on the vPro® platform, engineered to deliver the ultimate laptop experience, below the OS security, and system manageability.

Enhanced Experience

The premium OLED display, boasting a 120Hz refresh rate, ensures a visually stunning and responsive computing experience. Additionally, the new magnetic Lenovo Slim Pen, attachable to the top or lower side wall, enhances convenient accessibility for spontaneous notetaking or designing marketing collateral.

Responsible Design

The redesigned keyboard, featuring tactile markings on the <Fn>, Volume, Insert, and Enter keys, enhances usability for users with visual impairments. It facilitates typing accuracy without the need for visual feedback, making the laptop much more accessible to a diverse user base.

Secure Encryption

The advanced built-in ThinkShield comprises hardware-assisted virtualization and encryption that helps secure boot processes, and prevents attacks against the OS, login credentials, installed applications, and essential files by leveraging technologies embedded in the silicon architecture.

Built to reduce environmental footprint

Lenovo is making the industry's portfolio of technology solutions sustainable to help organizations reduce their environmental impact. As a global tech powerhouse, Lenovo is committed to achieving net-zero greenhouse gas emissions by 2050 with targets validated by Science Based Targets Initiative.

Recycled or sustainable product materials

Lenovo embraces sustainability by assimilating recycled materials such as aluminum and post-consumer recycled content (PCC) in its manufacturing processes. Incorporating these materials makes the manufacturing process energy efficient, leading to a decreased carbon footprint and contributing to a circular economy.

- Extensive use of recycled materials (75% recycled aluminum C Cover & 55% recycled aluminum + 45% hydro aluminum D Cover)
- PCC in plastic parts

Recycled shipping/packaging content

Lenovo is innovating to increase energy efficiency and use of recycled content in our devices. By incorporating bio-based materials like bamboo and sugarcane, we've crafted our packaging to be sleek and lightweight, while also ensuring it is 100% rapidly renewable.

- Made from 100% recyclable and compostable bamboo and sugarcane
- FSC Certified Plastic Free Packaging

Product PCC

85% PCC Plastic Key Caps, 90% PCC Plastic in Speaker, Battery Pack Enclosure, & AC Adapter, 30% PCC Plastic Cable Holder

Asset Recovery Service (ARS)

Lenovo's Asset Recovery Services (ARS) enables secure destruction of data, with minimum impact on the environment and a fair financial return. The service also supports equipment from any manufacturer including PCs & tablets, monitors, servers, phones, printers, copiers and networking equipment.

Lenovo TruScale DaaS

TruScale Device as a Service is a fully managed subscription-based model that offers access to a complete portfolio of hardware (including workstations, laptops, tablets, and phones), software, and trusted services with a flexible payment approach with consistent solutions and a predictable, transparent fee.

Lenovo CO2 Offset Services

Lenovo's Co2 Offset Service makes offsetting carbon emissions simple and within the control of the customer. We offset the carbon emissions associated with each of our devices by providing the option at point of purchase, ensuring we do our part toward reducing the overall carbon footprint.

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..

PN: 4Y51C21217

Accessories

Lenovo USB-C Dual Display Travel Dock

• Enhanced connectivity and visual experience in a portable hub

• Continuous power supply; efficient charging solution for mobile devices

• Eco-friendly dual display travel dock; style meets sustainability

PN: Dock without Adapter : 40B90000WW, Dock with Adapter : 40B90100xx

Lenovo Go Wireless Multi-Device Mouse

• Compact ambidextrous design, programmable Utility Button on the side, default functions optimized for Teams calls

• Connects to up to 3 devices via 1x USB-C dongle, 2x Bluetooth 5.0; quick switch button to jump control across devices

• Comes with a blue optical sensor that tracks on most surfaces and wireless Qi or wired USB-C fast-chargeable battery

PN: 4Y51C21217

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Performance

Processor
Intel U Series Core Ultra 5 / 7 Processor (Series 1)

AI PC Category*
AI PC

Operating System*
Windows 11 Pro or Home
Windows 11 DG Windows 10 Pro
Ubuntu Linux

NPU*
Integrated Intel AI Boost, up to 11 TOPS

Graphics
Intel Graphics (integrated)

Memory
16GB LPDDR5x-6400, soldered
32GB LPDDR5x-6400, soldered
64GB LPDDR5x-6400, soldered

Storage [1]
Up to 1x 2TB M.2 2280 PCIe NVMe SSD

[1]The storage capacity supported is based on the test results with current Lenovo storage offerings.

Audio*
High Definition (HD) Audio
Stereo speakers, 2W x2, Dolby Atmos
Dual-microphone array, far-field, Dolby Voice

Camera*
FHD 1080p + IR discrete, with privacy shutter, temporal noise reduction
UHD 8.0MP + IR discrete, with privacy shutter, MIPI, Computer Vision, temporal noise reduction

Battery [2] [3]
57Wh (up to 15.1 hr) battery, Rapid Charge

[2]Battery life claims are approximate maximum. Actual result will vary depending on many factors and the maximum battery capacity will decrease with time and use.

[3]Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode.

Power Adapter*
45W USB-C adapter, PD 3.0
65W USB-C adapter, PD 3.0
65W USB-C slim adapter, PD 3.0
65W USB-C slim GaN adapter, PD 3.0

Design

Display [4]
14" WUXGA (1920x1200) IPS AGAS 16:10
- 400nits, 100% sRGB, low power, OGS touch, Eyesafe
- 500nits, 100% sRGB, OGS touch, ThinkPad Privacy Guard, TÜV Low Blue Light (Hardware Solution)
14" WUXGA (1920x1200) IPS ARAS 16:10
- 400nits, 100% sRGB, low power, OGS touch, Eyesafe
14" 2.8K (2880x1800) OLED ARAS 16:10
- 400nits, 100% DCI-P3, 120Hz, DisplayHDR 400, Dolby Vision, OGS touch, Eyesafe

[4]IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

Screen-to-Body Ratio
87.8%

Multimode
Laptop, tent, stand, and tablet modes supported by 360° hinge

Pen*
Lenovo Slim Pen*

Keyboard
6-row, spill-resistant, air intake design, backlight

Touchpad
TrackPoint and glass surface Haptic Touchpad
70.5 x 120 mm (2.78 x 4.72 inches)
TrackPoint and glass surface 3-button Trackpad
56.2 x 120 mm (2.21 x 4.72 inches)

Dimensions [5]
312.80 x 217.65 x 15.49 mm (12.31 x 8.57 x 0.61 inches)

[5]The system dimensions may vary depending on configurations.

Weight [6]
Starting at 1.35 kg (2.97 lbs)

[6]The system weight is approximate and may vary depending on configurations

Color
Grey

Case material
Aluminium (top), aluminium (bottom)

Connectivity

WLAN + Bluetooth* [7]
802.11ax (Wi-Fi 6E) or 802.11be (Wi-Fi 7), Bluetooth 5.3
Up to Intel Wi-Fi 7 BE200, 802.11be, Bluetooth 5.3

[7]Wi-Fi 6E and Wi-Fi 7 are only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10. Bluetooth 5.3 operation requires Windows 11.

WWAN*
4G LTE CAT16 with embedded eSIM
5G Sub-6 GHz with embedded eSIM

NFC
Near Field Communication*

Ports
1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
2x USB-C (Thunderbolt 4 / USB4 40Gbps), with USB P 3.0 & DP 2.1
1x HDMI 2.1, up to 4K/60Hz
1x Headphone / microphone combo jack (3.5mm)
1x Nano-SIM card slot (WWAN support models)*

Docking
Docking support via Thunderbolt or USB-C

Security & Privacy

Security
ThinkShield
Discrete TPM 2.0
Kensington Nano Security Slot
Touch style MOC fingerprint reader
Camera privacy shutter
IR camera for Windows Hello (facial recognition)
Privacy Guard with Privacy Alert*
Computer Vision-based Human Presence Detection (UHD 8.0MP models)*
Ultrasonic Human Presence Detection (FHD 1080p models)*

Manageability

System Management* [8]
Intel vPro Enterprise*

[8]Intel vPro offers a superset of DASH's defined capabilities.