

**Lenovo ThinkPad X1 2-in-1 Gen 10 - 14" - Intel Core Ultra 7 - 258V - Evo - 32 GB RAM - 1 TB SSD - 5G - UK(21NU0023UK)**

**Lenovo ThinkPad X1 2-in-1 Gen 10 21NU - Flip design - Intel Core Ultra 7 - 258V / up to 4.8 GHz - Evo - Win 11 Pro - Intel Arc Graphics 140V - 32 GB RAM - 1 TB SSD TCG Opal Encryption 2, NVMe, Performance - 14" OLED touchscreen 2880 x 1800 (2.8K) @ 120 Hz - Wi-Fi 7, Bluetooth - 5G - grey - kbd: UK - with 3 Years Lenovo Premier Support, CO2 Offset 0.5 ton (2nd Gen)**



The Lenovo ThinkPad X1 2-in-1 Gen 10 combines versatility and performance in a sleek design, suitable for both professional and personal use. With a 14-inch touchscreen display featuring a 16:10 aspect ratio and anti-smudge surface, this device offers clear visuals and a functional interface for productivity. Enjoy sound quality with Dolby Atmos and high definition audio delivered through stereo speakers, providing an immersive audio experience for videos and presentations. This laptop is equipped with security features, including a fingerprint reader and a discrete Trusted Platform Module (TPM 2.0) security chip, ensuring data protection and user privacy. The device is powered by an Intel Core Ultra 7 processor with 8 cores and 32 GB of LPDDR5X SDRAM, delivering efficient performance for multitasking. The MIL-STD-810H tested chassis and EPEAT Gold certification reflect a commitment to durability and environmental responsibility.

**Key Selling Points**

- Versatile 360° flip design for flexibility in use
- High brightness 14-inch touchscreen display
- Robust security features including a fingerprint reader
- Powerful Intel Core Ultra 7 processor
- Enhanced audio experience with Dolby Atmos

**Product Features**

- Vivid display**  
The 14-inch display features an impressive brightness of 500 cd/m2 and a 16:10 aspect ratio, enhancing visual clarity for tasks such as document editing and media consumption.
- Advanced security**  
Equipped with a fingerprint reader and a discrete TPM 2.0 security chip, this device ensures that sensitive information remains secure.
- Immersive audio**  
Experience high definition audio with stereo speakers compliant with Dolby Atmos, enriching audio for entertainment or virtual meetings.
- High-performance processor**  
The Intel Core Ultra 7 processor with 8 cores provides rapid processing power, making it suitable for demanding applications and extensive multitasking.
- Durable construction**  
The aluminum case meets MIL-STD-810H testing standards, showcasing resilience against environmental factors and ensuring long-lasting use.

**Main Specifications**

Product Description	Lenovo ThinkPad X1 2-in-1 Gen 10 - 14" - Intel Core Ultra 7 - 258V - Evo - 32 GB RAM - 1 TB SSD - 5G - UK
Product Type	Notebook - 2-in-1 - flip design
Operating System	Win 11 Pro - English
Platform Technology	Intel Evo
Processor	Intel Core Ultra 7 (Series 2) - 258V / 2.2 GHz, up to 4.8 GHz / 12 MB Cache
Neural Processor Unit (NPU)	Intel AI Boost - up to 47 TOPS
Memory	32 GB LPDDR5X (provided memory is soldered)
Storage	1 TB SSD - TCG Opal Encryption 2, NVMe, Performance

Display	14" OLED touchscreen 2880 x 1800 / 2.8K @ 120 Hz
Graphics	Intel Arc Graphics 140V - up to 64 TOPS
Input Device	Digitizer, TrackPoint, digital pen, UltraNav
Keyboard	UK
Keyboard Backlight	Yes
Integrated Webcam	Yes
Networking	802.11a/b/g/n/ac/ax/be, Bluetooth 5.4
Wireless Broadband (WWAN)	5G
Security	Discrete Trusted Platform Module (TPM 2.0) Security Chip, fingerprint reader
Colour	Grey
Dimensions (WxDxH)	31.28 cm x 21.765 cm x 1.549 cm
Weight	1.3 kg
Localisation	Language: English / region: United Kingdom
Manufacturer Selling Program	Lenovo TopSeller
Environmental Standards	TCO Certified, generation 10, for notebooks, ENERGY STAR Qualified EPEAT Gold
Manufacturer Warranty	Base warranty - 3 years - pick-up and return ¦ Base warranty - battery - 1 year ¦ Extended warranty - 3 years - on-site - response time: next business day
Bundled Services	3 Years Lenovo Premier Support, CO2 Offset 0.5 ton (2nd Gen)

## Extended Specification

### General

Product Type	Notebook - Yes - flip design
Operating System	Windows 11 Pro - English

### Memory

RAM	32 GB (provided memory is soldered)
Technology	LPDDR5X SDRAM
Speed	4267 MHz
Rated Speed	4267 MHz

### Manufacturer Warranty

Service & Support	Base warranty - 3 years - pick-up and return ¦ Base warranty - battery - 1 year ¦ Extended warranty - 3 years - on-site - response time: next business day
Bundled Services	3 Years Lenovo Premier Support, CO2 Offset 0.5 ton (2nd Gen)

### Storage

Main Storage	1 TB SSD M.2 2280 PCIe 5.0 x4 - TCG Opal Encryption 2, NVMe Express (NVMe), Performance
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### Miscellaneous

Colour	Grey
Case Material	Aluminium (top), aluminium (bottom)
Security	Discrete Trusted Platform Module (TPM 2.0) Security Chip, fingerprint reader
Features	Administrator password, system password, power-on password, RapidCharge, MIL-STD-810H tested, self-healing BIOS, NVMe password, certificate based BIOS authentication, FIDO (Fast Identity Online) authentication
Theft/Intrusion Protection	Security lock slot (cable lock sold separately)
Security Slot Type	Kensington nano security slot
Included Accessories	65W USB-C slim GaN power adapter, Lenovo Yoga Pen

Compliant Standards	RoHS, FIPS 140-2, Energy-Related Products (ErP) Lot 6, TCG Certified, Energy-Related Products (ErP) Lot 26, Eyesafe Certified 2.0
Localization	Language: English / region: United Kingdom
Manufacturer Selling Program	Lenovo TopSeller

Environmental Parameters

Min Operating Temperature	5 °C
Max Operating Temperature	35 °C
Humidity Range Operating	8 - 95%

Software

Software Included	Intel Connectivity Performance Suite, Lenovo AI Now
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Display

Type	14" OLED
Touchscreen	Yes (10-point multi-touch)
Resolution	2880 x 1800 (2.8K)
V-Sync Rate at Max Res.	120 Hz
Widescreen	Yes
Image Aspect Ratio	16:10
Image Brightness	500 cd/m²
Horizontal Viewing Angle	+85 / -85
Vertical Viewing Angle	+85 / -85
Colour Gamut	100% DCI-P3
Features	Anti-reflective, One Glass Solution, anti-smudge, Eyesafe technology, HDR 500 True Black, Dolby Vision, Variable refresh rate (VRR), 87.8% screen-to-body ratio

Battery

Technology	Lithium polymer
Capacity	57 Wh

Communications

Wireless	802.11a/b/g/n/ac/ax/be, Bluetooth 5.4
Wireless Controller	Intel WI-FI 7 BE201
Features	Dual stream (2x2)

Dimensions & Weight

Dimensions (WxDxH)	31.28 cm x 21.765 cm x 1.549 cm
Weight	1.3 kg

Processor / Chipset

CPU	Intel Core Ultra 7 (Series 2) 258V / 2.2 GHz
Max Turbo Speed	4.8 GHz
Number of Cores	8-core
Cache	12 MB
Platform Technology	Intel Evo
Features	Integrated memory controller

Audio & Video

Graphics Processor	Intel Arc Graphics 140V - up to 64 TOPS
Max Monitors Supported	2 external monitor(s)
Video System Features	DirectX 12.2

Camera	Yes
Resolution	8 Megapixel
Camera Features	Privacy shutter, Windows Hello, fixed focus, Temporal Noise Reduction, Discrete IR, MIPI, Computer Vision-based User Presence Sensing with lock on leave
Sound	Stereo speakers, dual array microphone
Codec	Realtek ALC713
Compliant Standards	High Definition Audio, Dolby Atmos
Audio Features	Input: Dolby Voice, 360° far-field

Input

Type	Keyboard, digitizer, TrackPoint, digital pen, UltraNav
Keyboard Backlight	Yes
Keyboard Layout	UK
Features	Spill-resistant, multi-touch touchpad, glass touchpad, air intake key design, haptic touchpad, Copilot key

AC Adapter

Input	AC 100-240 V (50/60 Hz)
Output	65 Watt

Connections & Expansion

Slots	1 x Nano-SIM card (1 free)
Interfaces Details	USB 3.2 Gen 1   USB 3.2 Gen 1 (Always On)   2 x USB4 (supports Thunderbolt 4, DisplayPort 2.1 Alt Mode) (Power Delivery 3.0)   HDMI (4K support)   Headphone/ microphone combo jack

Wireless Broadband (WWAN)

Generation	5G
Controller	Quectel RM520N-GL - M.2 Card

Sustainability Information

TCO Certified	- TCO Certified, generation 10, for notebooks
EPEAT Compliant	EPEAT Gold
ENERGY STAR Certified	Yes
Packaging Recycled Content	Plastic-free

Neural Processor Unit (NPU)

Neural Processor Unit (NPU)	Intel AI Boost
NPU Performance Up To (TOPS)	47 TOPS
Total Processor Performance Up To (TOPS)	115 TOPS
AI Datatype Support on NPU	INT8
Sparsity Support	Yes
AI Software Frameworks Supported by NPU	DirectML, OpenVINO, WebNN, WindowsML, ONNX RT
Windows Studio Effects Support	Yes

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