

Lenovo

## Lenovo ThinkPad X1 Carbon Gen 12 Intel Core Ultra 7 155U Computer portatile 35,6 cm (14") WUXGA 32 GB LPDDR5x-SDRAM 2 TB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Nero

**Marchio :** Lenovo

**Famiglia del prodotto:**  
ThinkPad

**Codice prodotto:** 21KC005SIX

**Nome del prodotto :** X1  
Carbon Gen 12



Intel Core Ultra 7 155U, 12C (2P + 8E + 2LPE)/14T, Max Turbo up to 4.8GHz, 12MB, 32GB LPDDR5x-6400, 2TB SSD M.2 2280 PCIe 4.0x4 NVMe Opal 2.0, 14" WUXGA (1920x1200) IPS 500nits 100% sRGB 60Hz ThinkPad Privacy Guard, Intel Graphics, Intel Wi-Fi 6E AX211 11ax 2x2 + BT5.3, UHD 8.0MP + IR Discrete with Privacy Shutter, MIPI, Computer Vision, Windows 11 Pro

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### Il tuo laptop preferito. Ora lo amerai ancora di più.

Un collega ultraportatile da 14" leader del settore, per lavorare in movimento

Il primo laptop al mondo con processori Intel® Core™ Ultra, con IA integrata

Durata della batteria per tutto il giorno, attivazione istantanea e Intel® Unison™ con Intel® Evo™ Edition

Suono eccellente: Dolby Voice®, Dolby Atmos® e certificazione Zoom

Contenuto riciclato post-industriale e post-consumo utilizzato in ogni parte del prodotto

Design		Audio	
Colour name	Black, Paint	Audio chip	Realtek ALC3306
Product type *	Laptop	Audio system	Dolby Atmos
Product colour *	Black	Number of built-in speakers	2
Form factor *	Clamshell	Speaker power	2 W
Housing material	Aluminium	Built-in microphone	✓
Display		Number of microphones	2
Display diagonal *	35.6 cm (14")	Camera	
Display resolution *	1920 x 1200 pixels	Front camera	✓
Touchscreen *	✗	Infrared (IR) camera	✓
HD type	WUXGA	Privacy camera	✓
Panel type	IPS	Privacy type	Privacy shutter
LED backlight	✓	Network	
Native aspect ratio	16:10	Mobile network generation	5G
Anti-glare screen	✓	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display brightness	500 cd/m <sup>2</sup>	Wi-Fi standards	Wi-Fi 6E (802.11ax)
RGB colour space	sRGB	Mobile network connection *	✓
Colour gamut	100%	Antenna type	2x2
Maximum refresh rate	60 Hz	WLAN controller model	Intel Wi-Fi 6E AX211
Processor		WLAN controller manufacturer	Intel
Processor manufacturer *	Intel	Bluetooth	✓
Processor family *	Intel Core Ultra 7	Bluetooth version	5.3
Processor generation	Intel® Core™ Ultra (Series 1)	Near Field Communication (NFC)	✗
Processor model *	155U	WWAN	Installed
Processor cores	12	WWAN controller	Quectel RM520N-GL, 5G Sub-6 GHz, with Embedded eSIM
Processor threads	14		
Processor boost frequency	4.8 GHz		
Performance cores	2		
Efficient cores	8		

<b>Processor</b>		<b>Ports &amp; interfaces</b>	
Low Power Efficient-cores	2	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Performance-core Max Turbo Frequency	4.8 GHz	HDMI ports quantity *	1
Efficient-core Max Turbo Frequency	3.8 GHz	HDMI version	2.1
Low Power Efficient-core Max Turbo Frequency	2.1 GHz	Thunderbolt 4 ports quantity	2
Performance-core base frequency	1.7 GHz	Intel® Thunderbolt 4	✓
Efficient-core base frequency	1.2 GHz	Combo headphone/mic port	✓
Low Power Efficient-core Base Frequency	700 MHz	USB Sleep-and-Charge	✓
Processor cache	12 MB	<b>Performance</b>	
Processor cache type	Smart Cache	Motherboard chipset	Intel SoC
Processor base power	15 W	<b>Keyboard</b>	
Maximum turbo power	57 W	Pointing device	ThinkPad UltraNav
<b>Neural processor unit (NPU)</b>		Keyboard language	Italian
Neural processor unit (NPU)	Intel AI Boost	Numeric keypad *	✗
Maximum frequency NPU	1.4 GHz	Keyboard backlit	✓
Sparsity support	✓	<b>Software</b>	
Windows Studio effects support	✓	Operating system architecture	64-bit
AI datatype support on NPU	FP16, FP32, Int8	Operating system installed *	Windows 11 Pro
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Bundled software	Intel Connectivity Performance Suite
<b>Memory</b>		<b>Battery</b>	
Internal memory *	32 GB	Battery technology	Lithium Polymer (LiPo)
Internal memory type	LPDDR5x-SDRAM	Battery capacity *	57 Wh
Memory clock speed	6400 MHz	<b>Power</b>	
Memory form factor	On-board	AC adapter power	65 W
Maximum internal memory *	32 GB	AC adapter frequency	50/60 Hz
<b>Storage</b>		AC adapter input voltage	100 - 240 V
Total storage capacity *	2 TB	<b>Security</b>	
Storage media *	SSD	Cable lock slot	✓
Total SSDs capacity	2 TB	Cable lock slot type	Kensington
Number of SSDs installed	1	Fingerprint reader	✓
SSD capacity	2 TB	Smart card reader	✗
SSD interface	PCI Express 4.0	Windows Hello	✓
NVMe	✓	Trusted Platform Module (TPM)	✓
SSD form factor	M.2	Trusted Platform Module (TPM) version	2.0
Optical drive type *	✗	<b>Operational conditions</b>	
Card reader integrated	✗	Operating temperature (T-T)	5 - 35 °C
<b>Graphics</b>		Storage temperature (T-T)	5 - 43 °C
Discrete graphics card model *	Not available	Operating relative humidity (H-H)	8 - 95%
On-board graphics card *	✓	Storage relative humidity (H-H)	5 - 95%
On-board GPU manufacturer	Intel	Maximum shipping altitude	3048 m
Discrete graphics card *	✗	<b>Certificates</b>	
On-board graphics card family	Intel Graphics	Compliance certificates	RoHS
On-board graphics card model *	Intel Graphics	<b>Sustainability</b>	
		Sustainability certificates	ENERGY STAR, TCO, EPEAT Gold
		<b>Weight &amp; dimensions</b>	
		Width	312.8 mm
		Depth	214.8 mm
		Height	15 mm
		Weight *	1.09 kg



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