

Lenovo ThinkPad X1 2-in-1 Gen 9 Intel Core Ultra 7 165U Hybrid (2-in-1) 35.6 cm (14") Touchscreen WUXGA 32 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Arabic Grey



Brand : Lenovo

Product family: ThinkPad

Product code: 21KE005SUS

Product name : ThinkPad X1 2-in-1 Gen 9

- Windows 11 Pro
- Intel Core Ultra 7 165U (12MB Cache)
- 35.6 cm (14") WUXGA 1920 x 1200 IPS Touch
- 32GB (6400MHz) LPDDR5x-SDRAM & 1000GB SSD
Intel Core Ultra 7 165U (12MB Cache), 32GB LPDDR5x-SDRAM, 1000GB SSD, 35.6 cm (14") WUXGA 1920 x 1200 IPS Touch, Intel Graphics, WLAN, Webcam, Windows 11 Pro
Lenovo ThinkPad X1 2-in-1 Gen 9. Product type: Hybrid (2-in-1), Form factor: Convertible (Folder). Processor family: Intel Core Ultra 7, Processor model: 165U. Display diagonal: 35.6 cm (14"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels, Touchscreen. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® Graphics. Operating system installed: Windows 11 Pro. Product colour: Grey



Design

Product type *	Hybrid (2-in-1)
Product colour *	Grey
Form factor *	Convertible (Folder)
Housing material	Aluminium

Display

Display diagonal *	35.6 cm (14")
Display resolution *	1920 x 1200 pixels
Touchscreen *	✓
HD type	WUXGA
Panel type	IPS
LED backlight	✓
Native aspect ratio	16:10
Anti-reflective coating	✓
Anti-smudge coating	✓
Display brightness	400 cd/m ²
RGB colour space	sRGB
Colour gamut	100%
Maximum refresh rate	60 Hz
Contrast ratio (typical)	1000:1

Processor

Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 7
Processor generation	Intel® Core™ Ultra (Series 1)
Processor model *	165U
Processor cores	12
Processor threads	14
Processor boost frequency	4.9 GHz

Camera

Front camera	✓
Front camera resolution	1920 x 1080 pixels
Front camera HD type	Full HD
Infrared (IR) camera	✓
Privacy camera	✓

Network

Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection *	✗
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 6E AX211
WLAN controller manufacturer	Intel
Ethernet LAN	✗
Bluetooth	✓
Bluetooth version	5.3
Near Field Communication (NFC)	✗
WWAN	Not installed

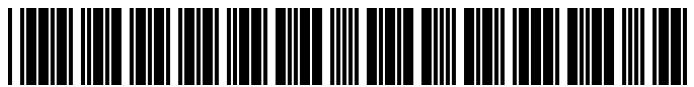
Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
HDMI ports quantity *	1
HDMI version	2.1
Thunderbolt 4 ports quantity	2
Intel® Thunderbolt 4	✓
Combo headphone/mic port	✓

Processor		Ports & interfaces	
Performance cores	2	USB Type-C DisplayPort Alternate Mode	✓
Efficient cores	8	USB Sleep-and-Charge	✓
Low Power Efficient-cores	2	USB Sleep-and-Charge ports	1
Performance-core Max Turbo Frequency	4.9 GHz	Performance	
Efficient-core Max Turbo Frequency	3.8 GHz	Motherboard chipset	Intel SoC
Low Power Efficient-core Max Turbo Frequency	2.1 GHz	Keyboard	
Performance-core base frequency	1.7 GHz	Pointing device	ThinkPad UltraNav
Efficient-core base frequency	1.2 GHz	Numeric keypad *	✗
Low Power Efficient-core Base Frequency	700 MHz	Keyboard backlit	✓
Processor cache	12 MB	Spill-resistant keyboard	✓
Processor cache type	Smart Cache	Keyboard language	Arabic
Processor base power	15 W	Software	
Maximum turbo power	57 W	Operating system language	Arabic, English
Neural processor unit (NPU)		Operating system installed *	Windows 11 Pro
Neural processor unit (NPU)	Intel AI Boost	Bundled software	Intel Connectivity Performance Suite
Sparsity support	✓	Battery	
Windows Studio effects support	✓	Battery technology	Lithium Polymer (LiPo)
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Battery capacity *	57 Wh
Memory		Fast charging	✓
Internal memory *	32 GB	Power	
Internal memory type	LPDDR5x-SDRAM	AC adapter power	65 W
Memory clock speed	6400 MHz	AC adapter frequency	50 - 60 Hz
Memory form factor	On-board	AC adapter input voltage	100 - 240 V
Maximum internal memory *	32 GB	USB Type-C charging port *	✓
Memory channels	Octa-channel	USB Power Delivery (USB PD)	✓
Storage		Security	
Total storage capacity *	1 TB	Cable lock slot	✓
Storage media *	SSD	Cable lock slot type	Kensington
Total SSDs capacity	1 TB	Fingerprint reader	✓
Number of SSDs installed	1	Smart card reader	✗
SSD capacity	1 TB	Windows Hello	✓
SSD interface	PCI Express 4.0	Trusted Platform Module (TPM)	✓
NVMe	✓	Trusted Platform Module (TPM) version	2.0
SSD form factor	M.2	Password protection	✓
M.2 SSD size	2280 (22 x 80 mm)	Password protection type	BIOS, Power on, SSD, Supervisor
Optical drive type *	✗	Operational conditions	
Card reader integrated	✗	Operating temperature (T-T)	5 - 35 °C
Graphics		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 *	✗	Certificates	
On-board graphics card family	Intel® Graphics	Compliance certificates	RoHS
On-board graphics card model *	Intel® Graphics	Certification	MIL-STD-810H military test passed
Audio		Sustainability	
Audio chip	Realtek ALC3306	Sustainability certificates	ENERGY STAR, EPEAT Gold, ErP, TCO
Audio system	Dolby Atmos	Weight & dimensions	
Number of built-in speakers	2	Width	312.8 mm
Speaker power	2 W	Depth	217.7 mm
Built-in microphone	✓	Height	15.5 mm
Number of microphones	2	Weight *	1.35 kg

Packaging content

AC adapter included *	✓
Stylus pen	✓



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