



Lenovo ThinkPad X9-15 Gen 1 Aura Edition Copilot+ PC Intel Core Ultra 5 228V Laptop 38.9 cm (15.3") 2.8K 32 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Grey Nordic

Brand : Lenovo

Product family: ThinkPad

Product code: 21Q6001VMX

Product name : ThinkPad
X9-15 Gen 1 Aura Edition
Copilot+ PC



- Intel Core Ultra 5 228V, 8C (4P + 4LPE)/8T, Max Turbo up to 4.5GHz, 8MB Intel Smart Cache
 - 15.3" 2.8K (2880x1800) OLED 500nits Anti-reflection / Anti-fingerprint 100% DCI-P3 30-120Hz VRR DisplayHDR True Black 600 Dolby Vision
 - 32GB LPDDR5X-8533, MoP Memory
 - 512GB SSD M.2 2242 PCIe 4.0x4 NVMe Opal 2.0
 - Intel Arc Graphics 130V
 - Windows 11 Pro
- Intel Core Ultra 5 228V, 8C (4P + 4LPE)/8T, Max Turbo up to 4.5GHz, 8MB Intel Smart Cache, 32GB LPDDR5X-8533, MoP Memory, 512GB SSD M.2 2242 PCIe 4.0x4 NVMe Opal 2.0, 15.3" 2.8K (2880x1800) OLED 500nits Anti-reflection / Anti-fingerprint 100% DCI-P3 30-120Hz VRR DisplayHDR True Black 600 Dolby Vision, Intel Arc Graphics 130V, Intel Wi-Fi 7 BE201 802.11be 2x2 + BT5.4, Windows 11 Pro

Design		Camera	
Product type *	Laptop	Front camera	✓
Product colour *	Grey	Front camera resolution (numeric)	8 MP
Form factor *	Clamshell	Front camera HD type	Ultra HD
Housing material	Aluminium	Infrared (IR) camera	✓
Display back cover material	Aluminium	Privacy camera	✓
Display		Privacy type	Privacy shutter
Display diagonal *	38.9 cm (15.3")	Network	
Display resolution *	2880 x 1800 pixels	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Touchscreen *	✗	Wi-Fi standards	Wi-Fi 7 (802.11be)
HD type	2.8K	Mobile network connection *	✗
Panel type	OLED	Antenna type	2x2
LED backlight	✓	WLAN controller model	Intel Wi-Fi 7 BE201
Native aspect ratio	16:10	WLAN controller manufacturer	Intel
Anti-reflective coating	✓	Ethernet LAN	✗
Display brightness	500 cd/m²	Bluetooth	✓
RGB colour space	DCI-P3	Bluetooth version	5.4
Colour gamut	100%	Near Field Communication (NFC)	✗
Maximum refresh rate	120 Hz	WWAN	Not installed
Contrast ratio (typical)	100000:1	Ports & interfaces	
High Dynamic Range (HDR) supported	✓	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
High Dynamic Range (HDR) technology	Dolby Vision, DisplayHDR True Black 600	HDMI ports quantity *	1
Processor		HDMI version	2.1
Processor manufacturer *	Intel	Thunderbolt 4 ports quantity	2
Processor family *	Intel Core Ultra 5	Intel® Thunderbolt 4	✓
Processor generation	Intel Core Ultra (Series 2)	Combo headphone/mic port	✓
Processor model *	228V		

Processor		Ports & interfaces	
Processor cores	8	USB Type-C DisplayPort Alternate Mode	✔
Processor threads	8	USB Sleep-and-Charge	✔
Processor boost frequency	4.5 GHz	USB Sleep-and-Charge ports	1
Performance cores	4	Performance	
Low Power Efficient-cores	4	Motherboard chipset	Intel SoC
Performance-core Max Turbo Frequency	4.5 GHz	Keyboard	
Low Power Efficient-core Max Turbo Frequency	3.5 GHz	Pointing device	Touchpad
Performance-core base frequency	2.1 GHz	Numeric keypad *	✗
Low Power Efficient-core Base Frequency	2100 MHz	Keyboard backlit	✔
Processor cache	8 MB	Spill-resistant keyboard	✔
Processor cache type	Smart Cache	Keyboard language	Nordic
Processor base power	17 W	Copilot key	✔
Maximum turbo power	37 W	Software	
Neural processor unit (NPU)		Operating system language	Danish, English, Finnish, Norwegian, Swedish
Copilot+ PC	✔	Microsoft Copilot	✔
Neural processor unit (NPU)	Intel AI Boost	Operating system installed *	Windows 11 Pro
Sparsity support	✔	Bundled software	Lenovo AI Now + Intel Connectivity Performance Suite
Windows Studio effects support	✔	Battery	
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Battery technology	Lithium-Ion (Li-Ion)
Total processor performance up to NPU performance up to GPU performance up to	97 TOPs 40 TOPs 53 TOPs	Battery capacity *	80 Wh
Memory		Power	
Internal memory *	32 GB	AC adapter power	65 W
Internal memory type	LPDDR5x-SDRAM	AC adapter frequency	50 - 60 Hz
Memory clock speed	8533 MHz	AC adapter input voltage	100 - 240 V
Memory form factor	On-board	USB Type-C charging port *	✔
Maximum internal memory *	32 GB	USB Type-C required charging power (min) *	15 W
Memory channels	Dual-channel	USB Type-C required charging power (max) *	65 W
Storage		USB Power Delivery (USB PD)	✔
Total storage capacity *	512 GB	Security	
Storage media *	SSD	Fingerprint reader	✔
Total SSDs capacity	512 GB	Smart card reader	✗
Number of SSDs installed	1	Windows Hello	✔
SSD capacity	512 GB	Trusted Platform Module (TPM)	✔
SSD interface	PCI Express 4.0	Trusted Platform Module (TPM) version	2.0
NVMe	✔	Password protection	✔
SSD form factor	M.2	Password protection type	BIOS, Power on, SSD, Supervisor
M.2 SSD size	2242 (22 x 42 mm)	Operational conditions	
Optical drive type *	✗	Operating temperature (T-T)	5 - 35 °C
Card reader integrated	✗	Storage temperature (T-T)	5 - 43 °C
Graphics		Operating relative humidity (H-H)	8 - 95%
Discrete graphics card model *	Not available	Storage relative humidity (H-H)	5 - 95%
On-board graphics card *	✔	Maximum shipping altitude	3048 m
On-board GPU manufacturer	Intel	Certificates	
Discrete graphics card *	✗	Compliance certificates	RoHS
On-board graphics card family	Intel Arc Graphics	ENERGY STAR 8.0 EPEAT Gold Registered ErP Lot 6/26 RoHS compliant TCO Certified 10.0 Intel Evo Platform Eyesafe Certified 2.0 TÜV Rheinland Eye Comfort Certification (5-star) MIL-STD-810H military test passed	
On-board graphics card model *	Intel Arc Graphics 130V	Certification	
Audio			
Audio chip	Cirrus Logic CS42L43		
Audio system	Dolby Atmos		
Number of built-in speakers	4		
Speaker power	2 W		
Built-in microphone	✔		

Audio		Sustainability	
Number of microphones	2	Sustainability certificates	ENERGY STAR, EPEAT Gold, ErP, TCO
		Weight & dimensions	
		Width	339.6 mm
		Depth	228.5 mm
		Height	12.9 mm
		Weight *	1.4 kg
		Packaging content	
		AC adapter included *	✓



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