



LG Gram Pro Copilot+ PC Intel Core Ultra 7 255H Laptop 40.6 cm (16") 2.8K 16 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Black

Brand : LG

Product family: Gram Pro

Product code: 16Z90TP-K.APB3U1

Product name : gram Pro

- AI-enabled 16:10 OLED display
 - Windows 11 Pro with AI assistant Copilot, tools for productivity, creativity, and accessibility
 - 1 TB storage & 16 GB memory to meet your evolving needs
 - Intel®¹ Core™ Ultra 7 for cutting-edge AI power and next-gen efficiency
 - An ultra-portable 16" IPS laptop that's just 3 lbs and only 0.6" thin
 - Built-in webcam and MIC, along with Dolby ATMOS speakers make video conferencing easy
- gram Pro 16 Inch, Windows 11 Pro, Thin and Lightweight Laptop, Intel® Arrow Lake H Processor - Intel® Core™ Ultra 7, 16GB RAM, 1TB SSD

LG Gram Pro . Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 255H. Display diagonal: 40.6 cm (16"), HD type: 2.8K, Display resolution: 2880 x 1800 pixels. Internal memory: 16 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Arc 140T. Operating system installed: Windows 11 Pro. Product colour: Black. Weight: 1.39 kg



Design		Storage	
Product type *	Laptop	Total storage capacity *	512 GB
Product colour *	Black	Storage media *	SSD
Form factor *	Clamshell	Total SSDs capacity	512 GB
Country of origin	China	Number of SSDs installed	1
Display		SSD capacity	512 GB
Display diagonal *	40.6 cm (16")	SSD interface	PCI Express 4.0
Display resolution *	2880 x 1800 pixels	NVMe	✓
Touchscreen *	✗	SSD form factor	M.2
HD type	2.8K	Optical drive type *	✗
Panel type	OLED	Graphics	
Display brightness	400 cd/m ²	Discrete graphics card model *	Not available
RGB colour space	DCI-P3	On-board graphics card *	✓
Colour gamut	100%	On-board GPU manufacturer	Intel
Display response rise/fall	0.2 ms	Discrete graphics card *	✗
Maximum refresh rate	120 Hz	On-board graphics card family	Intel Arc Graphics
Processor		On-board graphics card model *	Intel Arc 140T
Processor manufacturer *	Intel	Audio	
Processor family *	Intel Core Ultra 7	Audio system	Dolby Atmos
Processor generation	Intel Core Ultra (Series 2)	Number of built-in speakers	2
Processor model *	255H	Speaker power	10 W
Processor cores	16	Built-in microphone	✓
Processor threads	16	Number of microphones	2
Processor boost frequency	5.1 GHz	Camera	
Performance cores	6	Front camera	✓
Efficient cores	8	Front camera HD type	Full HD
Low Power Efficient-cores	2	Infrared (IR) camera	✓
Performance-core Max Turbo Frequency	5.1 GHz	Network	
Efficient-core Max Turbo Frequency	4.4 GHz	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), Wi-Fi 7 (802.11be), 802.11b, Wi-Fi 6 (802.11ax), 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)
Performance-core base frequency	2 GHz		
Efficient-core base frequency	1.5 GHz	Mobile network connection *	✗
Low Power Efficient-core Base Frequency	700 MHz		

Processor		Network	
Processor cache	24 MB	Antenna type	2x2
Processor cache type	Smart Cache	WLAN controller manufacturer	Intel
Processor socket	BGA 2049	Bluetooth	✓
Processor base power	28 W	Bluetooth version	5.4
Maximum turbo power	115 W	Ports & interfaces	
Neural processor unit (NPU)		USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Copilot+ PC	✓	USB4 Gen 3x2 ports quantity	2
Neural processor unit (NPU)	Intel AI Boost	HDMI ports quantity *	1
Sparsity support	✓	HDMI version	2.1
Windows Studio effects support	✓	Intel® Thunderbolt 4	✓
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Combo headphone/mic port	✓
Total processor performance up to	96 TOPs	Keyboard	
NPU performance up to	13 TOPs	Numeric keypad *	✓
GPU performance up to	74 TOPs	Keyboard backlit	✓
Memory		Full-size keyboard	✓
Internal memory *	16 GB	Software	
Internal memory type	LPDDR5x-SDRAM	Operating system installed *	Windows 11 Pro
Memory clock speed	8400 MHz	Battery	
Memory form factor	On-board	Battery technology	Lithium-Ion (Li-Ion)
Maximum internal memory *	16 GB	Battery capacity *	77 Wh
		Power	
		AC adapter power	65 W
		USB Type-C charging port *	✓
		USB Power Delivery (USB PD)	✓
		Weight & dimensions	
		Width	357.3 mm
		Depth	253.8 mm
		Height	12.4 mm
		Weight *	1.39 kg
		Packaging content	
		AC adapter included *	✓



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