



LG Gram Pro Copilot+ PC Intel Core Ultra 9 285H Laptop 40.6 cm (16") WQXGA 32 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA® GeForce RTX™ 5050 Windows 11 Pro Black

Brand : LG

Product family: Gram Pro

Product code: 16Z90TR-E.AZB8U1

Product name : gram Pro

- Windows 11 Pro
- Intel Core Ultra 9 285H (24MB Cache)
- 16" WQXGA 2560 x 1600 IPS, NVIDIA GeForce RTX 5050 (8GB GDDR7)
- 32GB LPDDR5x-SDRAM & 1000GB SSD

Intel Core Ultra 9 285H (24MB Cache), 32GB LPDDR5x-SDRAM, 1000GB SSD, 16" WQXGA 2560 x 1600 IPS, Intel Arc 140T, NVIDIA GeForce RTX 5050 (8GB GDDR7), Webcam, Windows 11 Pro

LG Gram Pro . Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 285H. Display diagonal: 40.6 cm (16"), HD type: WQXGA, Display resolution: 2560 x 1600 pixels. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Arc 140T, Discrete graphics card model: NVIDIA® GeForce RTX™ 5050. Operating system installed: Windows 11 Pro. Product colour: Black

Design		Memory	
Product type *	Laptop	Memory form factor	On-board
Product colour *	Black	Maximum internal memory *	32 GB
Form factor *	Clamshell	Storage	
Country of origin	China	Total storage capacity *	1 TB
Display		Storage media *	SSD
Display diagonal *	40.6 cm (16")	Total SSDs capacity	1 TB
Display resolution *	2560 x 1600 pixels	Number of SSDs installed	1
Touchscreen *	✗	SSD capacity	1 TB
HD type	WQXGA	NVMe	✓
Panel type	IPS	SSD form factor	M.2
Native aspect ratio	16:10	Optical drive type *	✗
Anti-glare screen	✓	Graphics	
RGB colour space	sRGB	Discrete GPU manufacturer	NVIDIA
Maximum refresh rate	144 Hz	Discrete graphics card model *	NVIDIA® GeForce RTX™ 5050
Processor		Discrete graphics card memory	8 GB
Processor manufacturer *	Intel	Discrete graphics memory type	GDDR7
Processor family *	Intel Core Ultra 9	On-board graphics card *	✓
Processor generation	Intel Core Ultra (Series 2)	On-board GPU manufacturer	Intel
Processor model *	285H	Discrete graphics card *	✓
Processor cores	16	On-board graphics card family	Intel Arc Graphics
Processor threads	16	On-board graphics card model *	Intel Arc 140T
Processor boost frequency	5.4 GHz	Audio	
Performance cores	6	Audio system	Dolby Atmos
Efficient cores	8	Built-in microphone	✓
Low Power Efficient-cores	2	Number of microphones	2
Performance-core Max Turbo Frequency	5.4 GHz	Camera	
Efficient-core Max Turbo Frequency	4.5 GHz	Front camera	✓
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Front camera HD type	Full HD
Performance-core base frequency	2.9 GHz	Infrared (IR) camera	✓
Efficient-core base frequency	2.7 GHz	Network	
Low Power Efficient-core Base Frequency	1000 MHz	Mobile network connection *	✗
Processor cache	24 MB		
Processor cache type	Smart Cache		

Processor		Ports & interfaces	
Processor socket	BGA 2049	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor base power	45 W	USB4 Gen 3x2 ports quantity	2
Maximum turbo power	115 W	HDMI ports quantity *	1
Neural processor unit (NPU)		HDMI version	2.1
Copilot+ PC	✓	Intel® Thunderbolt 4	✓
Neural processor unit (NPU)	Intel AI Boost	Combo headphone/mic port	✓
Sparsity support	✓	Keyboard	
Windows Studio effects support	✓	Numeric keypad *	✓
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Software	
Total processor performance up to	99 TOPs	Operating system installed *	Windows 11 Pro
NPU performance up to	13 TOPs	Battery	
GPU performance up to	77 TOPs	Battery technology	Lithium-Ion (Li-Ion)
Memory		Battery capacity *	90 Wh
Internal memory *	32 GB	Power	
Internal memory type	LPDDR5x-SDRAM	AC adapter power	100 W
		USB Type-C charging port *	✓
		USB Power Delivery (USB PD)	✓
Weight & dimensions			
		Width	357.7 mm
		Depth	251.6 mm
		Height	14.4 mm
		Weight *	1.36 kg



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Catalog Object Cloud



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