



LG Gram Pro 16Z90TR-E.AZB9U1 laptop Copilot+ PC Intel Core Ultra 9 285H 40.6 cm (16") WQXGA 32 GB LPDDR5x-SDRAM 2 TB SSD NVIDIA® GeForce RTX™ 5050 Wi-Fi 7 (802.11be) Windows 11 Pro Black English



Brand : LG

Product family: Gram Pro

Product code: 16Z90TR-E.AZB9U1

Product name : 16Z90TR-E.AZB9U1

- Windows 11 Pro 64-bit
- Intel Core Ultra 9 285H (24MB Cache)
- 16" WQXGA 2560 x 1600, NVIDIA GeForce RTX 5050 (8GB GDDR7)
- 32GB (8400MHz) LPDDR5x-SDRAM & 2000GB SSD

Intel Core Ultra 9 285H (24MB Cache), 32GB LPDDR5x-SDRAM, 2000GB SSD, 16" WQXGA 2560 x 1600, Intel Arc 140T, NVIDIA GeForce RTX 5050 (8GB GDDR7), Webcam, Windows 11 Pro 64-bit

LG Gram Pro 16Z90TR-E.AZB9U1. 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: 2 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		Storage	
Colour name	Obsidian Black	Number of SSDs installed	2
Product type *	Laptop	SSD capacity	1 TB
Product colour *	Black	NVMe	✓
Form factor *	Clamshell	SSD form factor	M.2
Certified refurbished	✗	Optical drive type *	✗
Display		Graphics	
Display diagonal *	40.6 cm (16")	Discrete graphics card model *	NVIDIA® GeForce RTX™ 5050
Display resolution *	2560 x 1600 pixels	Discrete graphics card memory	8 GB
Touchscreen *	✗	Discrete graphics memory type	GDDR7
HD type	WQXGA	On-board graphics card *	✓
Native aspect ratio	16:10	On-board GPU manufacturer	Intel
Display brightness	400 cd/m²	Discrete graphics card *	✓
RGB colour space	DCI-P3	On-board graphics card family	Intel Arc Graphics
Colour gamut	99%	On-board graphics card model *	Intel Arc 140T
Maximum refresh rate	144 Hz	Audio	
Processor		Audio system	Dolby Atmos
Processor manufacturer *	Intel	Number of built-in speakers	4
Processor family *	Intel Core Ultra 9	Speaker power	3 W
Processor generation	Intel Core Ultra (Series 2)	Built-in microphone	✓
Processor model *	285H	Camera	
Processor cores	16	Front camera	✓
Processor threads	16	Front camera HD type	Full HD
Processor boost frequency	5.4 GHz	Infrared (IR) camera	✓
Performance cores	6	Network	
Efficient cores	8	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Low Power Efficient-cores	2	Mobile network connection *	✗
Performance-core Max Turbo Frequency	5.4 GHz	Bluetooth	✓
Efficient-core Max Turbo Frequency	4.5 GHz	Bluetooth version	5.4
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Ports & interfaces	
Performance-core base frequency	2.9 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Efficient-core base frequency	2.7 GHz		

Processor		Ports & interfaces	
Low Power Efficient-core Base Frequency	1000 MHz	HDMI ports quantity *	1
Processor cache	24 MB	Thunderbolt 4 ports quantity	2
Processor base power	45 W	Combo headphone/mic port	✓
Maximum turbo power	115 W	Keyboard	
Neural processor unit (NPU)		Pointing device	Touchpad
Copilot+ PC	✓	Numeric keypad *	✓
Neural processor unit (NPU)	Intel AI Boost	Keyboard backlit	✓
Sparsity support	✓	Keyboard language	English
Windows Studio effects support	✓	Software	
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Operating system architecture	64-bit
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
Memory clock speed	8400 MHz	USB Type-C charging port *	✓
Storage		Security	
Total storage capacity *	2 TB	Face recognition	✓
Storage media *	SSD	Weight & dimensions	
Total SSDs capacity	2 TB	Width	358.1 mm
		Depth	251.5 mm
		Height (front)	1.45 cm
		Height (rear)	1.57 cm
		Weight *	1.4 kg
		Packaging content	
		AC adapter included *	✓



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