



LG Gram 16Z90S-V.APC3U1 laptop Intel Core Ultra 5 125H 40.6 cm (16") WQXGA 16 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 6 (802.11ax) Windows 11 Pro Black

Brand : LG

Product family: Gram

Product code: 16Z90S-V.APC3U1

Product name : 16Z90S-V.APC3U1

- Windows 11 Pro
- Intel Core Ultra 5 125H (18MB Cache)
- 40.6 cm (16") WQXGA 2560 x 1600 IPS
- 16GB (7467MHz) LPDDR5x-SDRAM & 512GB SSD
Intel Core Ultra 5 125H (18MB Cache), 16GB LPDDR5x-SDRAM, 512GB SSD, 40.6 cm (16") WQXGA 2560 x 1600 IPS, Intel Arc Graphics, WLAN, Webcam, Windows 11 Pro
LG Gram 16Z90S-V.APC3U1. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 125H. Display diagonal: 40.6 cm (16"), HD type: WQXGA, Display resolution: 2560 x 1600 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 Graphics. Operating system installed: Windows 11 Pro. Product colour: Black. Weight: 1.2 kg



Design		Storage	
Product type *	Laptop	Number of SSDs installed	1
Product colour *	Black	SSD capacity	512 GB
Form factor *	Clamshell	NVMe	✓
Introduction year	2024	SSD form factor	M.2
Display		Optical drive type *	✗
Display diagonal *	40.6 cm (16")	Card reader integrated	✓
Display resolution *	2560 x 1600 pixels	Compatible memory cards	MicroSD (TransFlash)
Touchscreen *	✗	Graphics	
HD type	WQXGA	Discrete graphics card model *	Not available
Panel type	IPS	On-board graphics card *	✓
Native aspect ratio	16:10	On-board GPU manufacturer	Intel
Anti-glare screen	✓	Discrete graphics card *	✗
Display brightness	350 cd/m²	On-board graphics card family	Intel Arc Graphics
Display diagonal (metric)	40.6 cm	On-board graphics card model *	Intel Arc Graphics
Colour gamut	99%	Audio	
Maximum refresh rate	60 Hz	Audio system	Dolby Atmos
Contrast ratio (typical)	1200:1	Number of built-in speakers	2
Processor		Speaker power	2 W
Processor manufacturer *	Intel	Camera	
Processor family *	Intel Core Ultra 5	Front camera	✓
Processor generation	Intel® Core™ Ultra (Series 1)	Front camera HD type	Full HD
Processor model *	125H	Network	
Processor cores	14	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Processor threads	18	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Processor boost frequency	4.5 GHz	Mobile network connection *	✗
Performance cores	4	Antenna type	2x2
Efficient cores	8	WLAN controller model	Intel Wi-Fi 6E AX211
Low Power Efficient-cores	2	WLAN controller manufacturer	Intel
Performance-core Max Turbo Frequency	4.5 GHz	Bluetooth	✓
Efficient-core Max Turbo Frequency	3.6 GHz	Bluetooth version	5.3
Low Power Efficient-core Max Turbo Frequency	2.5 GHz		
Performance-core base frequency	1.2 GHz		
Efficient-core base frequency	0.7 GHz		

Processor		Ports & interfaces	
Low Power Efficient-core Base Frequency	700 MHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor cache	18 MB	HDMI ports quantity *	1
Processor cache type	Smart Cache	Thunderbolt 4 ports quantity	2
Processor base power	28 W	Intel® Thunderbolt 4	✓
Maximum turbo power	115 W	Combo headphone/mic port	✓
Neural processor unit (NPU)		Keyboard	
Neural processor unit (NPU)	Intel AI Boost	Pointing device	Touchpad
Maximum frequency NPU	1.4 GHz	Numeric keypad *	✓
Sparsity support	✓	Keyboard backlit	✓
Windows Studio effects support	✓	Software	
AI datatype support on NPU	FP16, FP32, Int8	Operating system installed *	Windows 11 Pro
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Battery	
Memory		Battery technology	Lithium-Ion (Li-Ion)
Internal memory *	16 GB	Battery capacity *	77 Wh
Internal memory type	LPDDR5x-SDRAM	Power	
Memory clock speed	7467 MHz	AC adapter power	65 W
Storage		Security	
Total storage capacity *	512 GB	Cable lock slot	✓
Storage media *	SSD	Weight & dimensions	
Total SSDs capacity	512 GB	Width	355.1 mm
		Depth	242.3 mm
		Height	16.8 mm
		Weight *	1.2 kg
		Packaging data	
		Package width	475 mm
		Package depth	290 mm
		Package height	60 mm
		Package weight	2.2 kg

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