



LG Gram 16Z90S-V Intel Core Ultra 7 155H Laptop 40.6 cm (16") WQXGA 32 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 6 (802.11ax) Windows 11 Pro Black English

Brand : LG

Product family: Gram

Product code: 16Z90S-V.APC8U1

Product name : 16Z90S-V

- Windows 11 Pro
- Intel Core Ultra 7 155H (24MB Cache)
- 40.6 cm (16") WQXGA 2560 x 1600 IPS
- 32GB (7467MHz) LPDDR5x-SDRAM & 1000GB SSD
Intel Core Ultra 7 155H (24MB Cache), 32GB LPDDR5x-SDRAM, 1000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600 IPS, Intel Arc Graphics, WLAN, Webcam, Windows 11 Pro
LG Gram 16Z90S-V. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 155H. 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 Graphics. Operating system installed: Windows 11 Pro. Product colour: Black. Weight: 1.2 kg



Design		Storage	
Product type *	Laptop	NVMe	✓
Product colour *	Black	SSD form factor	M.2
Form factor *	Clamshell	Optical drive type *	✗
Introduction year	2024	Card reader integrated	✓
Certified refurbished	✗	Compatible memory cards	MicroSD (TransFlash)
Display		Graphics	
Display diagonal *	40.6 cm (16")	Discrete graphics card model *	Not available
Display resolution *	2560 x 1600 pixels	On-board graphics card *	✓
Touchscreen *	✗	On-board GPU manufacturer	Intel
HD type	WQXGA	Discrete graphics card *	✗
Panel type	IPS	On-board graphics card family	Intel Arc Graphics
Native aspect ratio	16:10	On-board graphics card model *	Intel Arc Graphics
Anti-glare screen	✓	Audio	
Display brightness	350 cd/m²	Audio system	Dolby Atmos
Display diagonal (metric)	40.6 cm	Number of built-in speakers	2
Colour gamut	99%	Speaker power	2 W
Maximum refresh rate	60 Hz	Camera	
Contrast ratio (typical)	1200:1	Front camera	✓
Processor		Front camera HD type	Full HD
Processor manufacturer *	Intel	Network	
Processor family *	Intel Core Ultra 7	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Processor generation	Intel® Core™ Ultra (Series 1)	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Processor model *	155H	Mobile network connection *	✗
Processor cores	16	Antenna type	2x2
Processor threads	22	WLAN controller model	Intel Wi-Fi 6E AX211
Processor boost frequency	4.8 GHz	WLAN controller manufacturer	Intel
Performance cores	6	Bluetooth	✓
Efficient cores	8	Bluetooth version	5.3
Low Power Efficient-cores	2	Ports & interfaces	
Performance-core Max Turbo Frequency	4.8 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Efficient-core Max Turbo Frequency	3.8 GHz	HDMI ports quantity *	1
Low Power Efficient-core Max Turbo Frequency	2.5 GHz		
Performance-core base frequency	1.4 GHz		

Processor		Ports & interfaces	
Efficient-core base frequency	0.9 GHz	Thunderbolt 4 ports quantity	2
Low Power Efficient-core Base Frequency	700 MHz	Intel® Thunderbolt 4	✓
Processor cache	24 MB	Combo headphone/mic port	✓
Processor cache type	Smart Cache	Keyboard	
Processor base power	28 W	Pointing device	Touchpad
Maximum turbo power	115 W	Numeric keypad *	✓
Neural processor unit (NPU)		Keyboard backlit	✓
Copilot+ PC	✗	Full-size keyboard	✓
Neural processor unit (NPU)	Intel AI Boost	Keyboard number of keys	97
Sparsity support	✓	Keyboard language	English
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 *	32 GB	Battery capacity *	77 Wh
Internal memory type	LPDDR5x-SDRAM	Power	
Memory clock speed	7467 MHz	AC adapter power	65 W
Storage		USB Type-C charging port *	✓
Total storage capacity *	1 TB	Security	
Storage media *	SSD	Cable lock slot	✓
Total SSDs capacity	1 TB	Weight & dimensions	
Number of SSDs installed	1	Width	355.1 mm
SSD capacity	1 TB	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
		Packaging content	
		AC adapter included *	✓



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