



## LG Gram 16Z90S-G.AP58F laptop Intel Core Ultra 5 125H 40,6 cm (16") WQXGA 16 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Black

Brand : LG

Product family: Gram

Article code: 16Z90S-G.AP58F

Product name : 16Z90S-G.AP58F



LG Gram 16Z90S-G.AP58F. 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: 1 TB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics. Operating system installed: Windows 11 Pro. Product color: Black. Weight: 1,2 kg

Design		Storage	
Product type *	Laptop	Total SSDs capacity	1 TB
Product colour *	Black	Number of SSDs installed	1
Form factor *	Clamshell	SSD capacity	1 TB
Housing material	Magnesium	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/m <sup>2</sup>	On-board graphics card family	Intel Arc Graphics
Colour gamut	99%	On-board graphics card model *	Intel Arc Graphics
Maximum refresh rate	60 Hz	Audio	
Contrast ratio (typical)	1200:1	Audio system	Dolby Atmos
Processor		Number of built-in speakers	2
Processor manufacturer *	Intel	Speaker power	2 W
Processor family *	Intel Core Ultra 5	Camera	
Processor generation	Intel® Core™ Ultra (Series 1)	Front camera	✓
Processor model *	125H	Front camera HD type	Full HD
Processor cores	14	Network	
Processor threads	18	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Processor boost frequency	4.5 GHz	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Performance cores	4	Mobile network connection *	✗
Efficient cores	8	Bluetooth	✓
Low Power Efficient-cores	2	Bluetooth version	5.1
Performance-core Max Turbo Frequency	4.5 GHz	Ports & interfaces	
Efficient-core Max Turbo Frequency	3.6 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	HDMI ports quantity *	1
Performance-core base frequency	1.2 GHz		

Processor		Ports & interfaces	
Efficient-core base frequency	0.7 GHz	Thunderbolt 4 ports quantity	2
Low Power Efficient-core Base Frequency	700 MHz	Intel® Thunderbolt 4	✓
Processor cache	18 MB	Combo headphone/mic port	✓
Processor cache type	Smart Cache	Performance	
Processor base power	28 W	Repairability index	8.4
Maximum turbo power	115 W	Keyboard	
Neural processor unit (NPU)		Pointing device	Touchpad
Neural processor unit (NPU)	Intel AI Boost	Numeric keypad *	✓
Maximum frequency NPU	1.4 GHz	Keyboard backlit	✓
Sparsity support	✓	Software	
Windows Studio effects support	✓	Operating system installed *	Windows 11 Pro
AI datatype support on NPU	FP16, FP32, Int8	Battery	
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Battery technology	Lithium-Ion (Li-Ion)
Memory		Battery capacity *	77 Wh
Internal memory *	16 GB	Power	
Internal memory type	LPDDR5x-SDRAM	AC adapter power	65 W
Memory clock speed	7467 MHz	Security	
Storage		Cable lock slot	✓
Total storage capacity *	1 TB	Weight & dimensions	
Storage media *	SSD	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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