



LG Gram 16Z90S-G.AA58A1 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 Home Black

Brand : LG

Product family: Gram

Product code: 16Z90S-G.AA58A1

Product name : 16Z90S-G.AA58A1

- Windows 11 Home
- Intel Core Ultra 5 125H (18MB Cache)
- Ultra - lightweight at 1199g
- 40.6 cm (16") WQXGA 2560 x 1600 IPS with Anti-Glare
- 16GB LPDDR5x-SDRAM & 1000GB SSD
- Military grade durability with magnesium alloy body
- Black

Intel Core Ultra 5 125H (18MB Cache), 16GB LPDDR5x-SDRAM, 1000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600 IPS, Intel Arc Graphics, WLAN, Webcam, Windows 11 Home

LG Gram 16Z90S-G.AA58A1. 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 Home. Product colour: Black. Weight: 1.2 kg



Design		Graphics	
Colour name	Obsidian Black	Discrete graphics card model *	Not available
Product type *	Laptop	On-board graphics card *	✓
Product colour *	Black	On-board GPU manufacturer	Intel
Form factor *	Clamshell	Discrete graphics card *	✗
Housing material	Magnesium	On-board graphics card family	Intel Arc Graphics
Market positioning	Everyday	On-board graphics card model *	Intel Arc Graphics
Introduction year	2024	Audio	
Display		Audio system	Dolby Atmos
Display diagonal *	40.6 cm (16")	Number of built-in speakers	2
Display resolution *	2560 x 1600 pixels	Speaker power	2 W
Touchscreen *	✗	Camera	
HD type	WQXGA	Front camera	✓
Panel type	IPS	Front camera HD type	Full HD
Native aspect ratio	16:10	Infrared (IR) camera	✓
Display surface	Matt	Privacy camera	✗
Anti-glare screen	✓	Network	
Display brightness	350 cd/m²	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Colour gamut	99%	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Maximum refresh rate	60 Hz	Mobile network connection *	✗
Contrast ratio (typical)	1200:1	WLAN controller model	Intel Wi-Fi 6E AX211
Processor		Bluetooth	✓
Processor manufacturer *	Intel	Bluetooth version	5.3
Processor family *	Intel Core Ultra 5	Ports & interfaces	
Processor generation	Intel® Core™ Ultra (Series 1)	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor model *	125H	USB4 Gen 3x2 ports quantity	2
Processor cores	14	HDMI ports quantity *	1
Processor threads	18		
Processor boost frequency	4.5 GHz		

Processor		Ports & interfaces	
Performance cores	4	Thunderbolt 4 ports quantity	2
Efficient cores	8	Intel® Thunderbolt 4	✓
Low Power Efficient-cores	2	Combo headphone/mic port	✓
Performance-core Max Turbo Frequency	4.5 GHz	USB Type-C DisplayPort Alternate Mode	✓
Efficient-core Max Turbo Frequency	3.6 GHz	USB Power Delivery	✓
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Keyboard	
Performance-core base frequency	1.2 GHz	Pointing device	Touchpad
Efficient-core base frequency	0.7 GHz	Keyboard layout	QWERTY
Low Power Efficient-core Base Frequency	700 MHz	Numeric keypad *	✓
Processor cache	18 MB	Keyboard backlit	✓
Processor cache type	Smart Cache	Keyboard number of keys	98
Processor base power	15 W	Software	
Maximum turbo power	55 W	Operating system installed *	Windows 11 Home
Neural processor unit (NPU)		Bundled software	LG Smart Assistant, LG gram Link, LG Security Guard, LG Lively Theme, LG Glance by Mirametrix®, Dolby Atmos, Intel® Connectivity Performance Suite, McAfee Live Safe (30 Days Trial), Microsoft 365 (30 Days Trial)
Neural processor unit (NPU)	Intel AI Boost		
Maximum frequency NPU	1.4 GHz		
Sparsity support	✓		
Windows Studio effects support	✓		
AI datatype support on NPU	FP16, FP32, Int8		
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 *	1 TB	Cable lock slot	✓
Storage media *	SSD	Cable lock slot type	Kensington
Total SSDs capacity	1 TB	Fingerprint reader	✗
Number of SSDs installed	1	Face recognition	✓
SSD capacity	1 TB	Windows Hello	✓
SSD interface	M.2	Weight & dimensions	
NVMe	✓	Width	355.1 mm
Optical drive type *	✗	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
		Other features	
		Warranty period	1 year(s)



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