



LG Gram 16Z90S-G.AA59A1 laptop Intel Core Ultra 5 125H 40.6 cm (16") 16 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 6 (802.11ax) Windows 11 Home Black

Brand : LG

Product family: Gram

Product code: 16Z90S-G.AA59A1

Product name : 16Z90S-G.AA59A1

- Windows 11 Home
- Intel Core Ultra 5 125H (18MB Cache)
- 40.6 cm (16") 2560 x 1600 IPS
- 16GB LPDDR5x-SDRAM & 1000GB SSD
Intel Core Ultra 5 125H (18MB Cache), 16GB LPDDR5x-SDRAM, 1000GB SSD, 40.6 cm (16") 2560 x 1600 IPS, Intel Arc Graphics, WLAN, Webcam, Windows 11 Home
LG Gram 16Z90S-G.AA59A1. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 125H. Display diagonal: 40.6 cm (16"), 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		Storage	
Product type *	Laptop	Total SSDs capacity	1 TB
Product colour *	Black	Number of SSDs installed	1
Form factor *	Clamshell	SSD capacity	1 TB
Introduction year	2024	NVMe	✓
Display		Card reader integrated	✓
Display diagonal *	40.6 cm (16")	Compatible memory cards	MicroSD (TransFlash)
Display resolution *	2560 x 1600 pixels	Graphics	
Touchscreen *	✗	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 ²	On-board graphics card family	Intel Arc Graphics
Maximum refresh rate	60 Hz	On-board graphics card model *	Intel Arc Graphics
Processor		Audio	
Processor manufacturer *	Intel	Audio system	Dolby Atmos
Processor family *	Intel Core Ultra 5	Number of built-in speakers	2
Processor generation	Intel® Core™ Ultra (Series 1)	Speaker power	2 W
Processor model *	125H	Built-in microphone	✓
Processor cores	14	Number of microphones	2
Processor threads	18	Camera	
Processor boost frequency	4.5 GHz	Front camera	✓
Performance cores	4	Front camera HD type	Full HD
Efficient cores	8	Network	
Low Power Efficient-cores	2	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Performance-core Max Turbo Frequency	4.5 GHz	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Efficient-core Max Turbo Frequency	3.6 GHz	Mobile network connection *	✗
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Bluetooth	✓
Performance-core base frequency	1.2 GHz	Bluetooth version	5.3
Efficient-core base frequency	0.7 GHz	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	✓

Processor		Ports & interfaces	
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 Home
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	
Storage		AC adapter power	65 W
Total storage capacity *	1 TB	Security	
Storage media *	SSD	Cable lock slot	✓
		Face recognition	✓
Weight & dimensions			
		Width	355.1 mm
		Depth	242.3 mm
		Height	16.8 mm
		Weight *	1.2 kg



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