



LG Gram 15Z90S-G.AR55A1 laptop Intel Core Ultra 5 125H 39.6 cm (15.6") Full HD 8 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : LG

Product family: Gram

Product code: 15Z90S-G.AR55A1

Product name : 15Z90S-G.AR55A1

- Windows 11 Home
- Intel Core Ultra 5 125H (18MB Cache)
- 39.6 cm (15.6") Full HD 1920 x 1080 IPS
- 8GB LPDDR5x-SDRAM & 512GB SSD
Intel Core Ultra 5 125H (18MB Cache), 8GB LPDDR5x-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080 IPS, Intel Arc Graphics, WLAN, Windows 11 Home
LG Gram 15Z90S-G.AR55A1. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 125H. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 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 Home. Product colour: Black. Weight: 1.29 kg



Design		Storage	
Product type *	Laptop	Number of SSDs installed	1
Product colour *	Black	SSD capacity	512 GB
Form factor *	Clamshell	Optical drive type *	✗
Introduction year	2024	Graphics	
Display		Discrete graphics card model *	Not available
Display diagonal *	39.6 cm (15.6")	On-board graphics card *	✓
Display resolution *	1920 x 1080 pixels	Discrete graphics card *	✗
Touchscreen *	✗	On-board graphics card family	Intel Arc Graphics
HD type	Full HD	On-board graphics card model *	Intel Arc Graphics
Panel type	IPS	Audio	
Native aspect ratio	16:9	Audio system	Dolby Atmos
Anti-glare screen	✓	Number of built-in speakers	2
Display brightness	350 cd/m ²	Speaker power	1.5 W
Colour gamut	99%	Network	
Maximum refresh rate	60 Hz	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Contrast ratio (typical)	1200:1	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Processor		Mobile network connection *	✗
Processor manufacturer *	Intel	WLAN controller model	Intel Wi-Fi 6E AX211
Processor family *	Intel Core Ultra 5	Bluetooth	✓
Processor generation	Intel® Core™ Ultra (Series 1)	Bluetooth version	5.3
Processor model *	125H	Ports & interfaces	
Processor cores	14	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor threads	18	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Processor boost frequency	4.5 GHz	HDMI ports quantity *	1
Performance cores	4	Thunderbolt 4 ports quantity	1
Efficient cores	8	Intel® Thunderbolt 4	✓
Low Power Efficient-cores	2	Combo headphone/mic port	✓
Performance-core Max Turbo Frequency	4.5 GHz	USB Power Delivery	✓
Efficient-core Max Turbo Frequency	3.6 GHz	Keyboard	
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Pointing device	Touchpad
Performance-core base frequency	1.2 GHz	Numeric keypad *	✓
Low Power Efficient-core Base Frequency	700 MHz	Keyboard backlit	✓
Processor cache	18 MB		

Processor		Software	
Processor cache type	Smart Cache	Operating system installed *	Windows 11 Home
Processor base power	28 W	Battery	
Maximum turbo power	115 W	Battery capacity *	72 Wh
Neural processor unit (NPU)		Battery life (max)	12.5 h
Neural processor unit (NPU)	Intel AI Boost	Power	
Maximum frequency NPU	1.4 GHz	AC adapter power	65 W
Sparsity support	✓	Security	
Windows Studio effects support	✓	Cable lock slot	✓
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Cable lock slot type	Kensington
Memory		Face recognition	✓
Internal memory *	8 GB	Weight & dimensions	
Internal memory type	LPDDR5x-SDRAM	Width	356.3 mm
Storage		Depth	223.4 mm
Total storage capacity *	512 GB	Height	16.9 mm
Storage media *	SSD	Weight *	1.29 kg
Total SSDs capacity	512 GB	Packaging data	
		Package width	477 mm
		Package depth	298 mm
		Package height	62 mm
		Package weight	2.3 kg



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