



LG Gram 16Z90S-G.AP7BF laptop Intel Core Ultra 7 155H 40,6 cm (16") WQXGA 32 GB LPDDR5x-SDRAM 2 TB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Black

Brand : LG

Product family: Gram

Article code: 16Z90S-G.AP7BF

Product name : 16Z90S-G.AP7BF



LG Gram 16Z90S-G.AP7BF. 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: 2 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	SSD capacity	2 TB
Product colour *	Black	SSD interface	PCI Express 4.0
Form factor *	Clamshell	NVMe	✓
Housing material	Magnesium	SSD form factor	M.2
Introduction year	2024	Optical drive type *	✗
Original brand name	LG	Card reader integrated	✓
Display		Compatible memory cards	MicroSD (TransFlash)
Display diagonal *	40.6 cm (16")	Graphics	
Display resolution *	2560 x 1600 pixels	Discrete graphics card model *	Not available
Touchscreen *	✗	On-board graphics card *	✓
HD type	WQXGA	On-board GPU manufacturer	Intel
Panel type	IPS	Discrete graphics card *	✗
Native aspect ratio	16:10	On-board graphics card family	Intel Arc Graphics
Display brightness	350 cd/m²	On-board graphics card model *	Intel Arc Graphics
Display diagonal (metric)	40.6 cm	On-board graphics card 4K support	✓
RGB colour space	DCI-P3	On-board graphics card 6K support	✓
Colour gamut	99%	Graphics card Open GL support	✓
Contrast ratio (typical)	1500:1	Audio	
Processor		Audio system	Dolby Atmos
Processor manufacturer *	Intel	Number of built-in speakers	2
Processor family *	Intel Core Ultra 7	Speaker power	2 W
Processor generation	Intel® Core™ Ultra (Series 1)	Camera	
Processor model *	155H	Front camera	✓
Processor cores	16	Front camera resolution	1920 x 1080 pixels
Processor threads	22	Front camera HD type	Full HD
Processor boost frequency	4.8 GHz	Network	
Performance cores	6	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Efficient cores	8	Mobile network connection *	✗
Low Power Efficient-cores	2	Antenna type	2x2
Performance-core Max Turbo Frequency	4.8 GHz	WLAN controller model	Intel Wi-Fi 6E AX211
Efficient-core Max Turbo Frequency	3.8 GHz	WLAN controller manufacturer	Intel
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Bluetooth	✓
Performance-core base frequency	1.4 GHz		

Processor		Network	
Efficient-core base frequency	0.9 GHz	Bluetooth version	5.1
Low Power Efficient-core Base Frequency	700 MHz	Ports & interfaces	
Processor cache	24 MB	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor cache type	Smart Cache	HDMI ports quantity *	1
Processor base power	28 W	Thunderbolt 4 ports quantity	2
Maximum turbo power	115 W	Intel® Thunderbolt 4	✓
Neural processor unit (NPU)		Combo headphone/mic port	✓
Neural processor unit (NPU)	Intel AI Boost	Performance	
Maximum frequency NPU	1.4 GHz	Repairability index	8.4
Sparsity support	✓	Keyboard	
Windows Studio effects support	✓	Pointing device	Touchpad
AI datatype support on NPU	FP16, FP32, Int8	Numeric keypad *	✓
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Software	
Memory		Operating system installed *	Windows 11 Pro
Internal memory *	32 GB	Battery	
Internal memory type	LPDDR5x-SDRAM	Battery technology	Lithium-Ion (Li-Ion)
Memory clock speed	7467 MHz	Battery capacity *	77 Wh
Memory channels	Dual-channel	Battery life (max)	24 h
Storage		Weight & dimensions	
Total storage capacity *	2 TB	Width	355.1 mm
Storage media *	SSD	Depth	242.3 mm
Total SSDs capacity	2 TB	Height	16.8 mm
Number of SSDs installed	1	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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