



LG Gram 16Z90S-G.AP78F laptop Intel Core Ultra 7 155H 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.AP78F

Product name : 16Z90S-G.AP78F



LG Gram 16Z90S-G.AP78F. 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: 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	SSD capacity	1 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	✓
Processor		Audio	
Processor manufacturer *	Intel	Audio system	Dolby Atmos
Processor family *	Intel Core Ultra 7	Number of built-in speakers	2
Processor generation	Intel® Core™ Ultra (Series 1)	Speaker power	2 W
Processor model *	155H	Camera	
Processor cores	16	Front camera	✓
Processor threads	22	Front camera resolution	1920 x 1080 pixels
Processor boost frequency	4.8 GHz	Front camera HD type	Full HD
Performance cores	6	Network	
Efficient cores	8	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Low Power Efficient-cores	2	Mobile network connection *	✗
Performance-core Max Turbo Frequency	4.8 GHz	Antenna type	2x2
Efficient-core Max Turbo Frequency	3.8 GHz	WLAN controller model	Intel Wi-Fi 6E AX211
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	WLAN controller manufacturer	Intel
Performance-core base frequency	1.4 GHz	Bluetooth	✓
Efficient-core base frequency	0.9 GHz		

Processor		Network	
Low Power Efficient-core Base Frequency	700 MHz	Bluetooth version	5.1
Processor cache	24 MB	Ports & interfaces	
Processor cache type	Smart Cache	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor base power	28 W	HDMI ports quantity *	1
Maximum turbo power	115 W	Thunderbolt 4 ports quantity	2
Neural processor unit (NPU)		Intel® Thunderbolt 4	✓
Neural processor unit (NPU)	Intel AI Boost	Combo headphone/mic port	✓
Maximum frequency NPU	1.4 GHz	Performance	
Sparsity support	✓	Repairability index	8.4
Windows Studio effects support	✓	Keyboard	
AI datatype support on NPU	FP16, FP32, Int8	Pointing device	Touchpad
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Numeric keypad *	✓
Memory		Software	
Internal memory *	16 GB	Operating system installed *	Windows 11 Pro
Internal memory type	LPDDR5x-SDRAM	Battery	
Memory clock speed	7467 MHz	Battery technology	Lithium-Ion (Li-Ion)
Memory form factor	On-board	Battery capacity *	77 Wh
Maximum internal memory *	16 GB	Battery life (max)	24 h
Memory channels	Dual-channel	Weight & dimensions	
Storage		Width	355.1 mm
Total storage capacity *	1 TB	Depth	242.3 mm
Storage media *	SSD	Height	16.8 mm
Total SSDs capacity	1 TB	Weight *	1.2 kg
Number of SSDs installed	1	Packaging data	
		Package width	475 mm
		Package depth	290 mm
		Package height	60 mm
		Package weight	2.2 kg

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