LG Gram 16Z90S-G.AP55F laptop Intel Core Ultra 5 125H 40,6 cm (16") WQXGA 16 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Black

Brand : LG **Product family:** Gram **Article code:** 16Z90S-G.AP55F

Product name : 16Z90S-G.AP55F

LG Gram 16Z90S-G.AP55F. 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: 512 GB, 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	
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Introduction year	2024

Display	
Display diagonal *	40.6 cm (16")
Display resolution *	2560 x 1600 pixels
Touchscreen *	✗
HD type	WQXGA
Panel type	IPS
Native aspect ratio	16:10
Anti-glare screen	✓
Display brightness	350 cd/m²
Colour gamut	99%
Maximum refresh rate	60 Hz
Contrast ratio (typical)	1200:1

Processor	
Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 5
Processor generation	Intel® Core™ Ultra (Series 1)
Processor model *	125H
Processor cores	14
Processor threads	18
Processor boost frequency	4.5 GHz
Performance cores	4
Efficient cores	8
Low Power Efficient-cores	2
Performance-core Max Turbo Frequency	4.5 GHz
Efficient-core Max Turbo Frequency	3.6 GHz
Low Power Efficient-core Max Turbo Frequency	2.5 GHz
Performance-core base frequency	1.2 GHz
Efficient-core base frequency	0.7 GHz

Storage	
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
NVMe	✓
Optical drive type *	✗
Card reader integrated	✓
Compatible memory cards	MicroSD (TransFlash)

Graphics	
Discrete graphics card model *	Not available
On-board graphics card *	✓
On-board GPU manufacturer	Intel
Discrete graphics card *	✗
On-board graphics card family	Intel Arc Graphics
On-board graphics card model *	Intel Arc Graphics

Audio	
Audio system	Dolby Atmos
Number of built-in speakers	2
Speaker power	2 W

Camera	
Front camera	✓
Front camera HD type	Full HD

Network	
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection *	✗
Bluetooth	✓
Bluetooth version	5.1

Ports & interfaces	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
HDMI ports quantity *	1
Thunderbolt 4 ports quantity	2

Processor	
Low Power Efficient-core Base Frequency	700 MHz
Processor cache	18 MB
Processor cache type	Smart Cache
Processor base power	28 W
Maximum turbo power	115 W

Neural processor unit (NPU)	
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

Memory	
Internal memory *	16 GB
Internal memory type	LPDDR5x-SDRAM
Memory clock speed	7467 MHz

Storage	
Total storage capacity *	512 GB
Storage media *	SSD

Ports & interfaces	
Intel® Thunderbolt 4	✔
Combo headphone/mic port	✔

Performance	
Repairability index	8.4

Keyboard	
Pointing device	Touchpad
Numeric keypad *	✔
Keyboard backlit	✔

Software	
Operating system installed *	Windows 11 Pro

Battery	
Battery technology	Lithium-Ion (Li-Ion)
Battery capacity *	77 Wh

Power	
AC adapter power	65 W

Security	
Cable lock slot	✔

Weight & dimensions	
Width	355.1 mm
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

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