



LG Gram 15Z90ST-G.AP78F laptop Intel Core Ultra 7 155H 39,6 cm (15.6") Full HD 16 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Blue

Brand : LG

Product family: Gram

Article code: 15Z90ST-G.AP78F

Product name : 15Z90ST-G.AP78F

LG Gram 15Z90ST-G.AP78F. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 155H. Display diagonal: 39,6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 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: Blue. Weight: 988,83 g



Design		Memory	
Colour name	Neptune Blue	Memory clock speed	7467 MHz
Product type *	Laptop	Memory channels	Dual-channel
Product colour *	Blue	Storage	
Form factor *	Clamshell	Total storage capacity *	1 TB
Housing material	Magnesium	Storage media *	SSD
Display		Total SSDs capacity	1 TB
Display diagonal *	39.6 cm (15.6")	Number of SSDs installed	1
Display resolution *	1920 x 1080 pixels	SSD capacity	1 TB
Touchscreen *	✗	SSD interface	PCI Express 4.0
HD type	Full HD	NVMe	✓
Panel type	OLED	SSD form factor	M.2
Native aspect ratio	16:9	Optical drive type *	✗
Display brightness	400 cd/m²	Graphics	
RGB colour space	DCI-P3	Discrete graphics card model *	Not available
Colour gamut	100%	On-board graphics card *	✓
Processor		On-board GPU manufacturer	Intel
Processor manufacturer *	Intel	Discrete graphics card *	✗
Processor family *	Intel Core Ultra 7	On-board graphics card family	Intel Arc Graphics
Processor generation	Intel® Core™ Ultra (Series 1)	On-board graphics card model *	Intel Arc Graphics
Processor model *	155H	Audio	
Processor cores	16	Number of built-in speakers	2
Processor threads	22	Built-in microphone	✓
Processor boost frequency	4.8 GHz	Camera	
Performance cores	6	Front camera	✓
Efficient cores	8	Front camera HD type	Full HD
Low Power Efficient-cores	2	Infrared (IR) camera	✓
Performance-core Max Turbo Frequency	4.8 GHz	Network	
Efficient-core Max Turbo Frequency	3.8 GHz	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Mobile network connection *	✗
Performance-core base frequency	1.4 GHz	WLAN controller model	Intel Wi-Fi 6E AX211
Efficient-core base frequency	0.9 GHz	Bluetooth	✓
Low Power Efficient-core Base Frequency	700 MHz	Bluetooth version	5.3

Processor		Ports & interfaces	
Processor cache	24 MB	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Processor cache type	Smart Cache	Thunderbolt 4 ports quantity	2
Processor base power	28 W	Intel® Thunderbolt 4	✓
Maximum turbo power	115 W	Combo headphone/mic port	✓
Neural processor unit (NPU)		Keyboard	
Neural processor unit (NPU)	Intel AI Boost	Numeric keypad *	✓
Maximum frequency NPU	1.4 GHz	Software	
Sparsity support	✓	Operating system installed *	Windows 11 Pro
Windows Studio effects support	✓	Battery	
AI datatype support on NPU	FP16, FP32, Int8	Battery technology	Lithium-Ion (Li-Ion)
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Battery capacity *	60 Wh
Memory		Continuous video playback time	20.5 h
Internal memory *	16 GB	Security	
Internal memory type	LPDDR5x-SDRAM	Face recognition	✓
		Weight & dimensions	
		Width	356 mm
		Depth	227.4 mm
		Height	10.9 mm
		Weight *	988.83 g

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