



LG Gram 17Z90S-V.APC3U1 laptop Intel Core Ultra 5 125H 43.2 cm (17") WQXGA 16 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Grey

Brand : LG

Product family: Gram

Product code: 17Z90S-V.APC3U1

Product name : 17Z90S-V.APC3U1

LG Gram 17Z90S-V.APC3U1. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 125H. Display diagonal: 43.2 cm (17"), 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 colour: Grey. Weight: 1.35 kg



Design		Graphics	
Colour name	Charcoal gray	Discrete graphics card model *	Not available
Product type *	Laptop	On-board graphics card *	✓
Product colour *	Grey	On-board GPU manufacturer	Intel
Form factor *	Clamshell	Discrete graphics card *	✗
Display		On-board graphics card family	Intel Arc Graphics
Display diagonal *	43.2 cm (17")	On-board graphics card model *	Intel Arc Graphics
Display resolution *	2560 x 1600 pixels	Audio	
Touchscreen *	✗	Audio system	Dolby Atmos
HD type	WQXGA	Number of built-in speakers	2
Panel type	IPS	Speaker power	2 W
Native aspect ratio	16:10	Built-in microphone	✓
Anti-glare screen	✓	Number of microphones	2
Display brightness	350 cd/m²	Camera	
Display diagonal (metric)	43.18 cm	Front camera	✓
RGB colour space	DCI-P3	Front camera resolution	1920 x 1080 pixels
Colour gamut	99%	Front camera HD type	Full HD
Processor		Infrared (IR) camera	✓
Processor manufacturer *	Intel	Network	
Processor family *	Intel Core Ultra 5	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Processor generation	Intel® Core™ Ultra (Series 1)	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Processor model *	125H	Mobile network connection *	✗
Processor cores	14	Antenna type	2x2
Processor threads	18	WLAN controller model	Intel Wi-Fi 6E AX211
Processor boost frequency	4.5 GHz	WLAN controller manufacturer	Intel
Performance cores	4	Bluetooth	✓
Efficient cores	8	Bluetooth version	5.3
Low Power Efficient-cores	2	Ports & interfaces	
Performance-core Max Turbo Frequency	4.5 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Efficient-core Max Turbo Frequency	3.6 GHz	USB4 Gen 3x2 ports quantity	2
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	HDMI ports quantity *	1
Performance-core base frequency	1.2 GHz	Intel® Thunderbolt 4	✓
Efficient-core base frequency	0.7 GHz	Headphone outputs	1

Processor		Ports & interfaces	
Low Power Efficient-core Base Frequency	700 MHz	Combo headphone/mic port	✓
Processor cache	18 MB	USB Type-C DisplayPort Alternate Mode	✓
Processor cache type	Smart Cache	Keyboard	
Processor base power	28 W	Pointing device	Touchpad
Maximum turbo power	115 W	Numeric keypad *	✓
Neural processor unit (NPU)		Keyboard backlit	✓
Neural processor unit (NPU)	Intel AI Boost	Software	
Maximum frequency NPU	1.4 GHz	Operating system installed *	Windows 11 Pro
Sparsity support	✓	Battery	
Windows Studio effects support	✓	Battery technology	Lithium-Ion (Li-Ion)
AI datatype support on NPU	FP16, FP32, Int8	Battery capacity *	77 Wh
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Continuous video playback time (max)	18.9 h
Memory		Power	
Internal memory *	16 GB	AC adapter power	65 W
Internal memory type	LPDDR5x-SDRAM	USB Type-C charging port *	✓
Memory clock speed	7467 MHz	USB Power Delivery (USB PD)	✓
Memory channels	Dual-channel	Security	
Storage		Cable lock slot	✓
Total storage capacity *	512 GB	Cable lock slot type	Kensington
Storage media *	SSD	Trusted Platform Module (TPM)	✓
Total SSDs capacity	512 GB	Weight & dimensions	
Number of SSDs installed	1	Width	378.8 mm
SSD capacity	512 GB	Depth	258.8 mm
NVMe	✓	Height	17.8 mm
SSD form factor	M.2	Weight *	1.35 kg
Optical drive type *	✗	Packaging data	
Card reader integrated	✓	Package width	499 mm
Compatible memory cards	MicroSD (TransFlash)	Package depth	307 mm
		Package height	60 mm
		Package weight	2.5 kg



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