



LG Gram Pro 17Z90SP-E.AA78A1 laptop Intel Core Ultra 7 155H 43.2 cm (17") WQXGA 16 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA GeForce RTX 3050 Wi-Fi 6E (802.11ax) Windows 11 Home Black



Brand : LG

Product family: Gram Pro

Product code: 17Z90SP-
E.AA78A1

Product name : 17Z90SP-
E.AA78A1

- Windows 11 Home
- Intel Core Ultra 7 155H (24MB Cache)
- 43.2 cm (17") WQXGA 2560 x 1600 IPS, NVIDIA GeForce RTX 3050 (4GB GDDR6)
- 16GB (7467MHz) LPDDR5x-SDRAM & 1000GB SSD
Intel Core Ultra 7 155H (24MB Cache), 16GB LPDDR5x-SDRAM, 1000GB SSD, 43.2 cm (17") WQXGA 2560 x 1600 IPS, Intel Arc Graphics, NVIDIA GeForce RTX 3050 (4GB GDDR6), Webcam, Windows 11 Home
LG Gram Pro 17Z90SP-E.AA78A1. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 155H. 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: 1 TB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics, Discrete graphics card model: NVIDIA GeForce RTX 3050. Operating system installed: Windows 11 Home. Product colour: Black

Design		Storage	
Product type *	Laptop	NVMe	✓
Product colour *	Black	SSD form factor	M.2
Form factor *	Clamshell	Optical drive type *	✗
Original brand name	LG	Graphics	
Display		Discrete graphics card model *	NVIDIA GeForce RTX 3050
Display diagonal *	43.2 cm (17")	Discrete graphics card memory	4 GB
Display resolution *	2560 x 1600 pixels	Discrete graphics memory type	GDDR6
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
Anti-glare screen	✓	On-board graphics card model *	Intel Arc Graphics
Display brightness	400 cd/m ²	On-board graphics card 4K support	✓
Display diagonal (metric)	43.2 cm	On-board graphics card 6K support	✓
RGB colour space	DCI-P3	Graphics card Open GL support	✓
Colour gamut	99%	Audio	
Maximum refresh rate	144 Hz	Audio system	Dolby Atmos
Processor		Number of built-in speakers	2
Processor manufacturer *	Intel	Speaker power	3 W
Processor family *	Intel Core Ultra 7	Built-in microphone	✓
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	Infrared (IR) camera	✓
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	Bluetooth version	5.3

Processor		Ports & interfaces	
Low Power Efficient-core Base Frequency	700 MHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor cache	24 MB	USB4 Gen 3x2 ports quantity	2
Processor cache type	Smart Cache	HDMI ports quantity *	1
Processor base power	28 W	Intel® Thunderbolt 4	✓
Maximum turbo power	115 W	Headphone outputs	1
Neural processor unit (NPU)		Combo headphone/mic port	✓
Neural processor unit (NPU)	Intel AI Boost	USB Type-C DisplayPort Alternate Mode	✓
Maximum frequency NPU	1.4 GHz	USB Power Delivery	✓
Sparsity support	✓	Keyboard	
Windows Studio effects support	✓	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 Home
Internal memory type	LPDDR5x-SDRAM	Battery	
Memory clock speed	7467 MHz	Battery technology	Lithium-Ion (Li-Ion)
Memory form factor	On-board	Battery capacity *	90 Wh
Maximum internal memory *	16 GB	Battery life (max)	27.5 h
Memory channels	Dual-channel	Power	
Storage		AC adapter power	90 W
Total storage capacity *	1 TB	Weight & dimensions	
Storage media *	SSD	Width	379.4 mm
Total SSDs capacity	1 TB	Depth	265.4 mm
Number of SSDs installed	1	Height (front)	1.32 cm
SSD capacity	1 TB	Height (rear)	1.46 cm
SSD interface	PCI Express 4.0	Weight *	1.38 kg



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