



LG Gram Pro 16Z90SP-A.AP7BG laptop Intel Core Ultra 7 155H 40.6 cm (16") WQXGA+ 32 GB LPDDR5x-SDRAM 2 TB SSD NVIDIA GeForce RTX 3050 Wi-Fi 6E (802.11ax) Windows 11 Pro Black



Brand : LG

Product family: Gram Pro

Product code: 16Z90SP-
A.AP7BG

Product name : 16Z90SP-
A.AP7BG

- Windows 11 Pro
- Intel Core Ultra 7 155H (24MB Cache)
- 40.6 cm (16") WQXGA+ 2880 x 1800 OLED, NVIDIA GeForce RTX 3050 (4GB GDDR6)
- 32GB (7467MHz) LPDDR5x-SDRAM & 2000GB SSD
Intel Core Ultra 7 155H (24MB Cache), 32GB LPDDR5x-SDRAM, 2000GB SSD, 40.6 cm (16") WQXGA+ 2880 x 1800 OLED, Intel Arc Graphics, NVIDIA GeForce RTX 3050 (4GB GDDR6), WLAN, Webcam, Windows 11 Pro
LG Gram Pro 16Z90SP-A.AP7BG. 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: 2880 x 1800 pixels. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 2 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 Pro. Product colour: Black

Design		Storage	
Product type *	Laptop	Optical drive type *	×
Product colour *	Black	Graphics	
Form factor *	Clamshell	Discrete GPU manufacturer	NVIDIA
Introduction year	2024	Discrete graphics card model *	NVIDIA GeForce RTX 3050
Display		Discrete graphics card memory	4 GB
Display diagonal *	40.6 cm (16")	Discrete graphics memory type	GDDR6
Display resolution *	2880 x 1800 pixels	On-board graphics card *	✓
Touchscreen *	×	On-board GPU manufacturer	Intel
HD type	WQXGA+	Discrete graphics card *	✓
Panel type	OLED	On-board graphics card family	Intel Arc Graphics
Native aspect ratio	16:10	On-board graphics card model *	Intel Arc Graphics
Display brightness	400 cd/m²	Audio	
Processor		Audio system	Dolby Atmos
Processor manufacturer *	Intel	Number of built-in speakers	2
Processor family *	Intel Core Ultra 7	Speaker power	3 W
Processor generation	Intel® Core™ Ultra (Series 1)	Number of microphones	2
Processor model *	155H	Camera	
Processor cores	16	Front camera	✓
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	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Performance-core Max Turbo Frequency	4.8 GHz	Mobile network connection *	×
Efficient-core Max Turbo Frequency	3.8 GHz	Antenna type	2x2
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	WLAN controller model	Intel Wi-Fi 6E AX211
Performance-core base frequency	1.4 GHz	WLAN controller manufacturer	Intel
Efficient-core base frequency	0.9 GHz	Bluetooth	✓
Low Power Efficient-core Base Frequency	700 MHz	Bluetooth version	5.3
Processor cache	24 MB	MIMO	✓
Processor cache type	Smart Cache	MIMO type	Multi User MIMO

Processor		Ports & interfaces	
Processor base power	28 W	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Maximum turbo power	115 W	USB4 Gen 3x2 ports quantity	2
Neural processor unit (NPU)		HDMI ports quantity *	1
Neural processor unit (NPU)	Intel AI Boost	Combo headphone/mic port	✓
Maximum frequency NPU	1.4 GHz	USB Type-C DisplayPort Alternate Mode	✓
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 *	32 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 channels	Dual-channel	Battery capacity *	90 Wh
Storage		Power	
Total storage capacity *	2 TB	USB Power Delivery (USB PD)	✓
Storage media *	SSD	Weight & dimensions	
Total SSDs capacity	2 TB	Width	357.7 mm
Number of SSDs installed	1	Depth	251.6 mm
SSD capacity	2 TB	Height (front)	1.3 cm
SSD interface	PCI Express 4.0	Height (rear)	1.44 cm
NVMe	✓	Weight *	1.28 kg
SSD form factor	M.2	Packaging data	
		Package width	475 mm
		Package depth	290 mm
		Package height	60 mm



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