



LG Gram Pro 16Z90TP Copilot+ PC Intel Core Ultra 7 255H Laptop 40.6 cm (16") WQXGA+ 32 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Black QWERTY English



Brand : LG

Product family: Gram Pro

Product code: 16Z90TP-
K.APB6U1

Product name : 16Z90TP

- Windows 11 Pro 64-bit
- Intel Core Ultra 7 255H (24MB Cache)
- 16" WQXGA+ 2880 x 1800 OLED
- 32GB (8400MHz) LPDDR5x-SDRAM & 1000GB SSD

Intel Core Ultra 7 255H (24MB Cache), 32GB LPDDR5x-SDRAM, 1000GB SSD, 16" WQXGA+ 2880 x 1800 OLED, Intel Arc 140T, WLAN, Webcam, Windows 11 Pro 64-bit

LG Gram Pro 16Z90TP. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 255H. 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: 1 TB, Storage media: SSD. On-board graphics card model: Intel Arc 140T. Operating system installed: Windows 11 Pro. Product colour: Black. Weight: 1.39 kg

Design		Graphics	
Colour name	Obsidian Black	On-board graphics card model *	Intel Arc 140T
Product type *	Laptop	On-board graphics card 4K support	✓
Product colour *	Black	On-board graphics card 6K support	✓
Form factor *	Clamshell	On-board graphics card 8K support	✓
Housing material	Magnesium	Graphics card Open GL support	✓
Market positioning	High performance	Audio	
Certified refurbished	✗	Audio system	Dolby Atmos
Display		Number of built-in speakers	2
Display diagonal *	40.6 cm (16")	Speaker power	3 W
Display resolution *	2880 x 1800 pixels	Built-in microphone	✓
Touchscreen *	✗	Number of microphones	2
HD type	WQXGA+	Camera	
Panel type	OLED	Front camera	✓
Native aspect ratio	16:10	Front camera resolution	1920 x 1080 pixels
Anti-glare screen	✓	Front camera HD type	Full HD
Display brightness	400 cd/m ²	Infrared (IR) camera	✓
Display diagonal (metric)	40.6 cm	Network	
RGB colour space	DCI-P3	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Colour gamut	99%	Wi-Fi standards	Wi-Fi 7 (802.11be)
Maximum refresh rate	144 Hz	Mobile network connection *	✗
Contrast ratio (typical)	100000:1	Antenna type	2x2
Processor		WLAN controller model	Intel Wi-Fi 7 BE201
Processor manufacturer *	Intel	WLAN controller manufacturer	Intel
Processor family *	Intel Core Ultra 7	Bluetooth	✓
Processor generation	Intel Core Ultra (Series 2)	Bluetooth version	5.4
Processor model *	255H	Ports & interfaces	
Processor cores	16	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor threads	16	USB4 Gen 3x2 ports quantity	2
Processor boost frequency	5.1 GHz	HDMI ports quantity *	1
Performance cores	6	HDMI version	2.1
Efficient cores	8	Thunderbolt 4 ports quantity	2
Low Power Efficient-cores	2		
Performance-core Max Turbo Frequency	5.1 GHz		

Processor		Ports & interfaces	
Efficient-core Max Turbo Frequency	4.4 GHz	Intel® Thunderbolt 4	✓
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Headphone outputs	1
Performance-core base frequency	2 GHz	Microphone in	✓
Efficient-core base frequency	1.5 GHz	Combo headphone/mic port	✓
Low Power Efficient-core Base Frequency	700 MHz	USB Type-C DisplayPort Alternate Mode	✓
Processor cache	24 MB	Keyboard	
Processor base power	28 W	Numeric keypad *	✓
Maximum turbo power	115 W	Keyboard backlit	✓
Neural processor unit (NPU)		Full-size keyboard	✓
Copilot+ PC	✓	Keyboard number of keys	98
Neural processor unit (NPU)	Intel AI Boost	Keyboard layout	QWERTY
Sparsity support	✓	Keyboard language	English
Windows Studio effects support	✓	Copilot key	✓
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Software	
Total processor performance up to NPU performance up to	96 TOPs	Operating system architecture	64-bit
GPU performance up to	13 TOPs	Operating system installed *	Windows 11 Pro
	74 TOPs	Battery	
Memory		Battery technology	Lithium-Ion (Li-Ion)
Internal memory *	32 GB	Battery capacity *	77 Wh
Internal memory type	LPDDR5x-SDRAM	Power	
Memory clock speed	8400 MHz	AC adapter power	65 W
Memory channels	Dual-channel	USB Type-C charging port *	✓
Storage		USB Type-C required charging power (max) *	65 W
Total storage capacity *	1 TB	USB Power Delivery (USB PD)	✓
Storage media *	SSD	Security	
Total SSDs capacity	1 TB	Cable lock slot	✓
Number of SSDs installed	1	Cable lock slot type	Kensington
SSD capacity	1 TB	Face recognition	✓
SSD interface	PCI Express 4.0	Windows Hello	✓
NVMe	✓	Certificates	
SSD form factor	M.2	Certification	MIL-STD-810H
Optical drive type *	✗	Weight & dimensions	
Graphics		Width	357.3 mm
Discrete graphics card model *	Not available	Depth	253.8 mm
On-board graphics card *	✓	Height	12.4 mm
On-board GPU manufacturer	Intel	Weight *	1.39 kg
Discrete graphics card *	✗	Packaging data	
On-board graphics card family	Intel Arc Graphics	Package width	477 mm
		Package depth	62 mm
		Package height	298 mm
		Package weight	2.19 kg
		Packaging content	
		AC adapter included *	✓



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