



LG Gram Pro Copilot+ PC Intel Core Ultra 7 255H Laptop 40.6 cm (16") WQXGA 32 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA® GeForce RTX™ 5050 Wi-Fi 7 (802.11be) Windows 11 Pro Black

Brand : LG

Product family: Gram Pro

Product code: 16Z90TR-E.APB6U1

Product name : gram Pro

- AI enabled 16" 16:10 IPS Display
 - Windows 11 Pro with AI assistant Copilot, tools for productivity, creativity, and accessibility
 - 1 TB storage & 32 GB memory to meet your evolving needs
 - AI optimized Intel® Arrow Lake H Processor (Intel® Core™ Ultra 7)
 - NVIDIA RTX™ 5050 GPU fuels smooth gaming, fast rendering, and smart efficiency
 - Ultra-light (2.99 lbs) design is durable meeting MIL-STD-810H standards
 - Built-in webcam and MIC, along with Dolby ATMOS speakers make video conferencing easy
- 16" WQXGA gram Pro with Windows 11 Pro & Intel® Core™ Ultra 7

Design		Storage	
Product type *	Laptop	Storage media *	SSD
Product colour *	Black	Total SSDs capacity	1 TB
Form factor *	Clamshell	Number of SSDs installed	1
Country of origin	China	SSD capacity	1 TB
Display		SSD interface	PCI Express 4.0
Display diagonal *	40.6 cm (16")	NVMe	✓
Display resolution *	2560 x 1600 pixels	SSD form factor	M.2
Touchscreen *	✗	Optical drive type *	✗
HD type	WQXGA	Graphics	
Panel type	IPS	Discrete GPU manufacturer	NVIDIA
LED backlight	✓	Discrete graphics card model *	NVIDIA® GeForce RTX™ 5050
Native aspect ratio	16:10	Discrete graphics card memory	8 GB
Anti-glare screen	✓	Discrete graphics memory type	GDDR7
Display brightness	400 cd/m²	On-board graphics card *	✓
RGB colour space	DCI-P3	On-board GPU manufacturer	Intel
Colour gamut	99%	Discrete graphics card *	✓
Maximum refresh rate	144 Hz	On-board graphics card family	Intel Arc Graphics
Processor		On-board graphics card model *	Intel Arc 140T
Processor manufacturer *	Intel	Audio	
Processor family *	Intel Core Ultra 7	Audio system	Dolby Atmos
Processor generation	Intel Core Ultra (Series 2)	Number of built-in speakers	4
Processor model *	255H	Built-in microphone	✓
Processor cores	16	Camera	
Processor threads	16	Front camera	✓
Processor boost frequency	5.1 GHz	Front camera HD type	Full HD
Performance cores	6	Infrared (IR) camera	✓
Efficient cores	8	Network	
Low Power Efficient-cores	2	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Performance-core Max Turbo Frequency	5.1 GHz	Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), Wi-Fi 7 (802.11be), 802.11b, Wi-Fi 6 (802.11ax), 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)
Efficient-core Max Turbo Frequency	4.4 GHz		
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Mobile network connection *	✗
Performance-core base frequency	2 GHz	Antenna type	2x2
Efficient-core base frequency	1.5 GHz	WLAN controller manufacturer	Intel
Low Power Efficient-core Base Frequency	700 MHz	Bluetooth	✓
Processor cache	24 MB	Bluetooth version	5.4
Processor cache type	Smart Cache		

Processor		Ports & interfaces	
Processor socket	BGA 2049	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor base power	28 W	USB4 Gen 3x2 ports quantity	2
Maximum turbo power	115 W	HDMI ports quantity *	1
Neural processor unit (NPU)		HDMI version	2.1
Copilot+ PC	✓	Intel® Thunderbolt 4	✓
Neural processor unit (NPU)	Intel AI Boost	Combo headphone/mic port	✓
Sparsity support	✓	Keyboard	
Windows Studio effects support	✓	Numeric keypad *	✓
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Keyboard backlit	✓
Total processor performance up to	96 TOPs	Software	
NPU performance up to	13 TOPs	Operating system installed *	Windows 11 Pro
GPU performance up to	74 TOPs	Battery	
Memory		Battery technology	Lithium-Ion (Li-Ion)
Internal memory *	32 GB	Battery capacity *	90 Wh
Internal memory type	LPDDR5x-SDRAM	Continuous video playback time (max)	27 h
Memory clock speed	8400 MHz	Power	
Memory form factor	On-board	AC adapter power	100 W
Maximum internal memory *	32 GB	USB Type-C charging port *	✓
Storage		USB Power Delivery (USB PD)	✓
Total storage capacity *	1 TB	Weight & dimensions	
		Width	357.7 mm
		Depth	251.6 mm
		Height	14.4 mm
		Weight *	1.36 kg
		Packaging content	
		AC adapter included *	✓



0195174136645



195174136645

Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity. Automated scraping, data mining, or harvesting for the purpose of training machine learning models, neural networks, or artificial intelligence systems is strictly prohibited without a commercial license.