



LG Gram Pro AI 16Z90TS-G.AU89A1 laptop Intel Core Ultra 7 258V 40.6 cm (16") 2.5K 32 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 7 (802.11be) Windows 11 Home, Metal Grey

Brand : LG

Product family: Gram Pro

Product code: 16Z90TS-G.AU89A1

Product name : LG gram Pro AI 16Z90TS-G.AU89A1 laptop Intel Core Ultra 7 258V 40.6 cm (16") 2.5K 32 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 7 (802.11be) Windows 11 Home, Metal Grey

- 16" 16:10 WQXGA (2560x1600) IPS display
- Windows 11 / Copilot+ PC
- AI optimized Intel® Core™ Ultra Processor / 47 TOPS NPU
- gram Hybrid AI / LG gram Link
- 1,239g Lightweight / 77Wh smart battery
- 31-144Hz Variable Refresh Rate

LG gram Pro AI 16" 2.5K (2560 x 1600), 31~144Hz VRR, Intel Core Ultra 7 258V(Lunar Lake) 32GB 1TB, 1500:1, IPS, WiFi-7, BT5.4, 77 Wh Li-Ion, Windows 11 Home, Metal Grey



Design

Colour name	Metal Grey
Product type *	Laptop
Product colour *	Grey, Metallic
Form factor *	Clamshell
Housing material	Magnesium
Market positioning	High performance
Introduction year	2025
Country of origin	China
Original brand name	LG

Display

Display diagonal *	40.6 cm (16")
Display resolution *	2560 x 1600 pixels
Touchscreen *	✗
HD type	2.5K
Panel type	IPS-Pro
Native aspect ratio	16:10
Display surface	Matt
Anti-glare screen	✓
Display brightness	400 cd/m²
Display diagonal (metric)	40.6 cm
RGB colour space	DCI-P3
Colour gamut	99%
Maximum refresh rate	144 Hz
Contrast ratio (typical)	1500:1

Processor

Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 7
Processor generation	Intel Core Ultra (Series 2)
Processor model *	258V
Processor cores	8
Processor threads	8
Processor boost frequency	4.8 GHz
Processor frequency *	4.8 GHz
Performance cores	4

Graphics

On-board graphics card 4K support	✓
On-board graphics card 6K support	✓
On-board graphics card 8K support	✓

Audio

Audio system	Dolby Atmos
Number of built-in speakers	2
Speaker power	3 W
Built-in microphone	✓
Number of microphones	2

Camera

Front camera	✓
Front camera resolution	1920 x 1080 pixels
Front camera HD type	Full HD
Infrared (IR) camera	✓

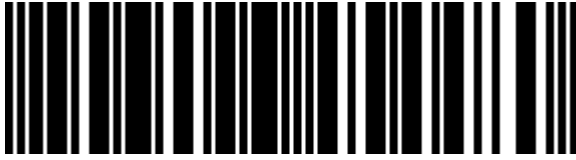
Network

Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Wi-Fi standards	Wi-Fi 7 (802.11be)
Mobile network connection *	✗
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 7 BE201
WLAN controller manufacturer	Intel
Bluetooth	✓
Bluetooth version	5.4

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB4 Gen 3x2 ports quantity	2
HDMI ports quantity *	1
HDMI version	2.1
Thunderbolt 4 ports quantity	2
Intel® Thunderbolt 4	✓
Combo headphone/mic port	✓

Processor		Ports & interfaces	
Low Power Efficient-cores	4	USB Type-C DisplayPort Alternate Mode	✓
Performance-core Max Turbo Frequency	4.8 GHz	Keyboard	
Low Power Efficient-core Max Turbo Frequency	3.7 GHz	Pointing device	Touchpad
Performance-core base frequency	2.2 GHz	Numeric keypad *	✓
Low Power Efficient-core Base Frequency	2.2 MHz	Keyboard backlit	✓
Processor cache	12 MB	Full-size keyboard	✓
Processor cache type	Smart Cache	Keyboard number of keys	98
Processor base power	17 W	Keyboard layout	QWERTY
Maximum turbo power	37 W	Software	
Neural processor unit (NPU)		Operating system architecture	64-bit
Neural processor unit (NPU)	Intel AI Boost	Operating system installed *	Windows 11 Home
Sparsity support	✓	Microsoft Copilot	✓
Windows Studio effects support	✓	Copilot+ PC	✓
AI datatype support on NPU	Int8	Processor special features	
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, WebNN, Windows ML	Video decode engine	✓
Total processor performance up to	115 TOPs	Video encode engine	✓
NPU performance up to	47 TOPs	Brand-specific features	
GPU performance up to	64 TOPs	Brand specific technologies	Intelligent Privacy, Wide color (P3)
Memory		Battery	
Internal memory *	32 GB	Battery technology	Lithium-Ion (Li-Ion)
Internal memory type	LPDDR5x-SDRAM	Battery capacity *	77 Wh
Memory clock speed	8533 MHz	Power	
Memory channels	Dual-channel	AC adapter power	65 W
Storage		USB Type-C charging port *	✓
Total storage capacity *	1 TB	USB Type-C required charging power (max) *	65 W
Storage media *	SSD	USB Power Delivery (USB PD)	✓
Total SSDs capacity	1 TB	Security	
Number of SSDs installed	1	Cable lock slot	✓
SSD capacity	1 TB	Cable lock slot type	Kensington
SSD interface	PCI Express 4.0	Face recognition	✓
NVMe	✓	Windows Hello	✓
SSD form factor	M.2	Certificates	
Optical drive type *	✗	Certification	MIL-STD-810H
Graphics		Weight & dimensions	
Discrete graphics card model *	Not available	Width	357.7 mm
On-board graphics card *	✓	Depth	251.6 mm
On-board GPU manufacturer	Intel	Height (front)	1.24 cm
Discrete graphics card *	✗	Height (rear)	1.28 cm
On-board graphics card family	Intel Arc Graphics	Weight *	1.24 kg
On-board graphics card model *	Intel Arc Graphics 140V	Packaging data	
On-board graphics card cores	8	Package width	475 mm
		Package depth	290 mm
		Package height	60 mm
		Package weight	2.35 kg
		Packaging content	
		AC adapter included *	✓
		Other features	
		Warranty period	1 year(s)



8806096454480

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.

Publication date: 29-APR-2025. Prints or copies of Information are only valid on the printed Publication date