



LG Gram AI 16Z90TL-G.AU75A1

Brand : LG

Product family: Gram

Product code: 16Z90TL-G.AU75A1

Product name : LG gram AI 16Z90TL-G.AU75A1

- 16" 16:10 WQXGA (2560x1600) Anti-glare IPS display
- Windows 11 / Copilot+ PC
- All-around AI Intel® Core™ Ultra Processor / 16GB LPDDR5x RAM / 512GB SSD Gen4
- gram Hybrid AI / LG gram Link
- 1,239g Lightweight / 77Wh High capacity battery
- Dolby Atmos

LG gram AI 16Z90TL 16 inch Ultra-Lightweight Laptop, Intel Core Ultra 7 256V Processor (Lunar Lake), 16GB RAM, 512GB SSD, gram Hybrid AI, Copilot+ PC, Windows 11 Home (Obsidian Black)

LG Gram AI 16Z90TL-G.AU75A1. Product type: Ultraportable, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 256V. Display diagonal: 40.6 cm (16"), HD type: 2.5K, Display resolution: 2560 x 1600 pixels. Internal memory: 16 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics 140V. Operating system installed: Windows 11 Home. Product colour: Black. Weight: 1.29 kg



Design		Camera	
Colour name	Obsidian Black	Infrared (IR) camera	✓
Product type *	Ultraportable	Network	
Product colour *	Black	Wi-Fi	✓
Form factor *	Clamshell	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Housing material	Magnesium	Wi-Fi standards	Wi-Fi 7 (802.11be)
Market positioning	Premium	Mobile network connection *	✗
Country of origin	China	Antenna type	2x2
Original brand name	LG gram	WLAN controller model	Intel Wi-Fi 7 BE201
Display		WLAN controller manufacturer	Intel
Display diagonal *	40.6 cm (16")	Bluetooth	✓
Display resolution *	2560 x 1600 pixels	Bluetooth version	5.3
Touchscreen *	✗	Ports & interfaces	
HD type	2.5K	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Panel type	IPS-Pro	Thunderbolt technology	✓
LED backlight	✓	Thunderbolt version	4
Native aspect ratio	16:10	USB4 Gen 3x2 ports quantity	2
Display surface	Matt	HDMI ports quantity *	1
Anti-glare screen	✓	HDMI version	2.1
Screen shape	Flat	Thunderbolt 4 ports quantity	2
Display brightness	320 cd/m²	Headphone outputs	1
RGB colour space	DCI-P3	Microphone in	✓
Colour gamut	99%	Headphone connectivity	3.5mm / Bluetooth
Maximum refresh rate	60 Hz	USB Type-C DisplayPort Alternate Mode	✓
Contrast ratio (typical)	1500:1	Keyboard	
DCI-P3 coverage	99%	Pointing device	Touchpad
Processor			
Processor manufacturer *	Intel		
Processor family *	Intel Core Ultra 7		

Processor		Keyboard	
Processor model *	256V	Numeric keypad *	✔
Processor cores	8	Keyboard backlit	✔
Processor threads	8	Keyboard backlit colour	White
Processor boost frequency	4.8 GHz	Full-size keyboard	✔
Processor cache	12 MB	Keyboard number of keys	98
Processor cache type	Smart Cache	Windows keys	✔
Processor codename	Lunar Lake	Keyboard layout	QWERTY
Memory		Software	
Internal memory *	16 GB	Operating system architecture	64-bit
Internal memory type	LPDDR5x-SDRAM	Pre-installed software	gram Chat, LG Smart Assistant, LG gram Link, LG Security Guard, LG Lively Theme, LG Glance by Mirametrix®, Dolby Atmos, Intel® Connectivity Performance Suite, LG xboom buds
Memory clock speed	8533 MHz		
Memory form factor	On-board		
Maximum internal memory *	16 GB	Trial software	McAfee Live Safe (30 Days Trial), Microsoft 365 (30 Days Trial)
Memory channels	Dual-channel		
Storage		Operating system installed *	Windows 11 Home
Total storage capacity *	512 GB	Battery	
Storage media *	SSD	Battery technology	Lithium-Ion (Li-Ion)
Total SSDs capacity	512 GB	Battery capacity *	77 Wh
Number of SSDs installed	1	Power	
SSD capacity	512 GB	USB Power Delivery (USB PD)	✔
SSD interface	M.2, PCI Express	Security	
SSD form factor	M.2	Cable lock slot	✔
Optical drive type *	✗	Cable lock slot type	Kensington
Graphics		Fingerprint reader	✔
On-board graphics card *	✔	Security management description	LG Security
Discrete graphics card *	✗	Operational conditions	
On-board graphics card family	Intel Arc Graphics	Drop proof	122 cm
On-board graphics card model *	Intel Arc Graphics 140V	Certificates	
On-board graphics card cores	8	MIL-STD-810G compliant	✔
On-board graphics card 4K support	✔	Adapting card types (test_feature)	Compliant with the following methods for MIL-STD-810H: Method 500.6 Low Pressure (Altitude) (Procedure I - Storage and Method and Procedure II - Operation); Method 501.7 High Temperature (Procedure I - Storage and Procedure II - Operation); Method 502.7 Low Temperature (Procedure I - Storage and Procedure II - Operation); Method 509.7 - Salt Fog Test; Method 510.7 - Dust; Method 514.8 - Vibration; Method 516.8 Shock (Procedure I - Functional and Procedure IV - Transit Drop).
On-board graphics card 6K support	✔		
Audio			
Audio system	Dolby Atmos	Certification	MIL-STD-810H
Number of built-in speakers	2		
Speaker power	2 W		
Built-in subwoofer	✔	Weight & dimensions	
Built-in microphone	✔	Width	355.1 mm
Number of microphones	2	Depth	242.3 mm
Camera		Height (front)	1.57 cm
Front camera	✔	Height (rear)	1.68 cm
Front camera resolution	1920 x 1080 pixels	Weight *	1.29 kg
Front camera HD type	Full HD	Packaging data	
		Package width	475 mm
		Package depth	290 mm
		Package height	60 mm
		Package weight	2.2 kg

Packaging content	
AC adapter included *	✗
Manual	✗
Warranty card	✓
Power cord included	✓

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