LG

LG Gram AI 16Z90TL-G.AU78A1

Brand : LG

Product family: Gram

Product code: 16Z90TL-G.AU78A1

Product name : LG gram AI 16Z90TL-G.AU78A1

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

G gram AI 16Z90TL 16 inch Ultra-Lightweight Laptop, Intel Core Ultra 7 256V Processor, 16GB RAM, 1TB SSD, gram Hybrid AI, Copilot+ PC, Windows 11 Home (Obsidian Black)

LG Gram AI 16Z90TL-G.AU78A1. 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: 1 TB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics 140V. Product colour: Black

Design

Colour name	Obsidian Black
Product type *	Ultraportable
Product colour *	Black
Form factor *	Clamshell
Housing material	Magnesium
Market positioning	Premium
Country of origin	China
Original brand name	LG gram

Display

Display diagonal *	40.6 cm (16")
Display resolution *	2560 x 1600 pixels
Touchscreen *	✘
HD type	2.5K
Panel type	IPS-Pro
LED backlight	✔
Native aspect ratio	16:10
Display surface	Matt
Anti-glare screen	✔
Screen shape	Flat
Display brightness	320 cd/m²
RGB colour space	DCI-P3
Colour gamut	99%
Maximum refresh rate	60 Hz
Contrast ratio (typical)	1500:1
DCI-P3 coverage	99%

Processor

Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 7

Memory

Internal memory *	16 GB
Internal memory type	LPDDR5x-SDRAM
Memory clock speed	8533 MHz
Memory form factor	On-board
Maximum internal memory *	16 GB
Memory channels	Dual-channel

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	M.2, PCI Express
SSD form factor	M.2
Optical drive type *	✘

Graphics

On-board graphics card *	✔
Discrete graphics card *	✘
On-board graphics card family	Intel Arc Graphics
On-board graphics card model *	Intel Arc Graphics 140V
On-board graphics card cores	8
On-board graphics card 4K support	✔
On-board graphics card 6K support	✔

Network

Wi-Fi	✔
Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Wi-Fi standards	Wi-Fi 7 (802.11be)

Processor

Processor model *	256V
Processor cores	8
Processor threads	8
Processor boost frequency	4.8 GHz
Processor cache	12 MB
Processor cache type	Smart Cache
Processor codename	Lunar Lake

Network

Mobile network connection *	✗
Bluetooth version	5.3

Ports & interfaces

Headphone outputs	1
Microphone in	✔
Headphone connectivity	3.5mm / Bluetooth

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