



LG Gram SuperSlim 15Z90ST-G.AD78A1

Brand : LG

Product family: Gram

Product code: 15Z90ST-G.AD78A1

Product name : SuperSlim
15Z90ST-G.AD78A1

- Windows 11 Home
- Intel Core Ultra 7 155H (24MB Cache)
- 39.6 cm (15.6") Full HD 1920 x 1080 OLED
- 16GB (7467MHz) LPDDR5x-SDRAM & 1TB SSD
LG gram SuperSlim Intel Core Ultra 7 155H (24MB Cache), 16GB LPDDR5x-SDRAM, 1000GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080 OLED, Intel Arc Graphics, Webcam, Windows 11 Home
LG Gram SuperSlim 15Z90ST-G.AD78A1. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 155H. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 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.
Operating system installed: Windows 11 Home. Product colour: Blue, Navy. Weight: 990 g



Design		Storage	
Colour name	Neptune Blue	Number of SSDs installed	1
Product type *	Laptop	SSD capacity	1 TB
Product colour *	Blue, Navy	Graphics	
Form factor *	Clamshell	On-board graphics card *	✓
Housing material	Magnesium	On-board GPU manufacturer	Intel
Market positioning	Everyday	Discrete graphics card *	✗
Country of origin	China	On-board graphics card family	Intel Arc Graphics
Display		On-board graphics card model *	Intel Arc Graphics
Display diagonal *	39.6 cm (15.6")	Audio	
Display resolution *	1920 x 1080 pixels	Number of built-in speakers	2
Touchscreen *	✗	Speaker power	4 W
HD type	Full HD	Built-in microphone	✓
Panel type	OLED	Camera	
Native aspect ratio	16:9	Front camera	✓
Anti-reflective coating	✓	Front camera HD type	Full HD
Display brightness	400 cd/m²	Infrared (IR) camera	✓
Maximum display brightness (HDR)	500 cd/m²	Network	
RGB colour space	DCI-P3	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Colour gamut	100%	Mobile network connection *	✗
Display response rise/fall	0.2 ms	Bluetooth	✓
Maximum refresh rate	60 Hz	Bluetooth version	5.3
Contrast ratio (typical)	1000000:1	Ports & interfaces	
High Dynamic Range (HDR) supported	✓	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
High Dynamic Range (HDR) technology	High Dynamic Range (HDR) 500	Thunderbolt 4 ports quantity	2
Processor		Intel® Thunderbolt 4	✓
Processor manufacturer *	Intel		

Processor		Ports & interfaces	
Processor family *	Intel Core Ultra 7	Headphone outputs	1
Processor generation	Intel® Core™ Ultra (Series 1)	Combo headphone/mic port	✓
Processor model *	155H	USB Type-C DisplayPort Alternate Mode	✓
Processor cores	16	Keyboard	
Processor threads	22	Pointing device	Touchpad
Processor boost frequency	4.8 GHz	Numeric keypad *	✓
Performance cores	6	Keyboard backlit	✓
Efficient cores	8	Full-size keyboard	✓
Low Power Efficient-cores	2	Keyboard number of keys	98
Performance-core Max Turbo Frequency	4.8 GHz	Keyboard layout	QWERTY
Efficient-core Max Turbo Frequency	3.8 GHz	Software	
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Operating system architecture	64-bit
Performance-core base frequency	1.4 GHz	Operating system installed *	Windows 11 Home
Efficient-core base frequency	0.9 GHz	Battery	
Low Power Efficient-core Base Frequency	700 MHz	Battery technology	Lithium-Ion (Li-Ion)
Processor cache	24 MB	Battery capacity *	60 Wh
Processor cache type	Smart Cache	Continuous video playback time	20.5 h
Processor base power	28 W	Power	
Maximum turbo power	115 W	USB Type-C charging port *	✓
Neural processor unit (NPU)		USB Type-C required charging power (min) *	45 W
Neural processor unit (NPU)	Intel AI Boost	USB Type-C required charging power (max) *	100 W
Maximum frequency NPU	1.4 GHz	USB Power Delivery (USB PD)	✓
Sparsity support	✓	Security	
Windows Studio effects support	✓	Face recognition	✓
AI datatype support on NPU	FP16, FP32, Int8	Windows Hello	✓
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Weight & dimensions	
Memory		Width	356 mm
Internal memory *	16 GB	Depth	227.4 mm
Internal memory type	LPDDR5x-SDRAM	Height (front)	1.09 cm
Memory clock speed	7467 MHz	Height (rear)	1.25 cm
Memory channels	Dual-channel	Weight *	990 g
Storage		Packaging data	
Total storage capacity *	1 TB	Package width	476 mm
Storage media *	SSD	Package depth	271 mm
Total SSDs capacity	1 TB	Package height	60 mm
		Package weight	2.1 kg
		Packaging content	
		AC adapter included *	✓
		Other features	
		Warranty period	1 year(s)



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