



# LG Gram 16Z90Q-K.AD78A1 laptop Intel® Core™ i7 i7-1260P 40.6 cm (16") WQXGA 32 GB LPDDR5-SDRAM 1 TB SSD Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : LG

Product family: Gram

Product code: 16Z90Q-K.AD78A1



Product name : 16Z90Q-K.AD78A1

- Windows 11 Home
  - Intel Core i7-1260P (18MB Cache, 4.7GHz)
  - 40.6 cm (16") WQXGA 2560 x 1600 IPS
  - 32GB (5200MHz) LPDDR5-SDRAM & 1000GB SSD
- Intel Core i7-1260P (18MB Cache, 4.7GHz), 32GB LPDDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600 IPS, Intel Iris Xe Graphics, WLAN, Webcam, Windows 11 Home
- LG Gram 16Z90Q-K.AD78A1. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-1260P. Display diagonal: 40.6 cm (16"), HD type: WQXGA, Display resolution: 2560 x 1600 pixels. Internal memory: 32 GB, Internal memory type: LPDDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics. Operating system installed: Windows 11 Home. Product colour: Black. Weight: 1.2 kg

Design		Network	
Colour name	Obsidian Black	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax)
Product type *	Laptop	Mobile network connection *	✗
Product colour *	Black	WLAN controller model	Intel Wi-Fi 6E AX211
Form factor *	Clamshell	Bluetooth	✓
Housing material	Magnesium	Bluetooth version	5.1
Country of origin	China	Ports & interfaces	
Display		USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Display diagonal *	40.6 cm (16")	HDMI ports quantity *	1
Display resolution *	2560 x 1600 pixels	HDMI version	1.4
Touchscreen *	✗	Thunderbolt 4 ports quantity	2
HD type	WQXGA	Intel® Thunderbolt 4	✓
Panel type	IPS	Combo headphone/mic port	✓
LED backlight	✓	Charging port type	DC-in jack
Native aspect ratio	16:10	Headphone connectivity	3.5mm / Bluetooth
Anti-glare screen	✓	Keyboard	
Display brightness	350 cd/m <sup>2</sup>	Numeric keypad *	✓
RGB colour space	DCI-P3	Keyboard backlit	✓
Colour gamut	99%	Software	
Processor		Operating system installed *	Windows 11 Home
Processor manufacturer *	Intel	Processor special features	
Processor family *	Intel® Core™ i7	Intel Flex Memory Access	✓
Processor model *	i7-1260P	Intel Trusted Execution Technology	✓
Processor cores	12	Intel VT-x with Extended Page Tables (EPT)	✓
Processor cache	18 MB	Execute Disable Bit	✓
Processor codename	Alder Lake	Processor code	i7-1260P
Configurable TDP-down	20 W	CPU configuration (max)	1
Processor technology	12th Gen Intel® Core™ Processor i7-1260P	Embedded options available	✗
Memory		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Internal memory *	32 GB	Intel Virtualization Technology (VT-x)	✓
Internal memory type	LPDDR5-SDRAM		
Memory clock speed	5200 MHz		
Storage			
Total storage capacity *	1 TB		

<b>Storage</b>		<b>Battery</b>	
Storage media *	SSD	Battery technology	Lithium-Ion (Li-Ion)
Total SSDs capacity	1 TB	Battery capacity *	80 Wh
Number of SSDs installed	1	Battery life (max)	20.5 h
SSD capacity	1 TB	<b>Power</b>	
SSD interface	NVMe	Battery life power on	19.5 h
NVMe	✓	AC adapter power	65 W
SSD form factor	M.2	<b>Weight &amp; dimensions</b>	
Optical drive type *	✗	Width	354.5 mm
Card reader integrated	✓	Depth	242.1 mm
Compatible memory cards	MicroSD (TransFlash)	Height	16.8 mm
<b>Graphics</b>		Weight *	1.2 kg
Discrete graphics card model *	Not available	<b>Packaging data</b>	
On-board graphics card *	✓	Package width	473 mm
On-board GPU manufacturer	Intel	Package depth	292 mm
Discrete graphics card *	✗	Package height	60 mm
On-board graphics card family	Intel Iris Xe Graphics	Package weight	2.25 kg
On-board graphics card model *	Intel Iris Xe Graphics	<b>Hard drive</b>	
<b>Audio</b>		Storage drive type	Solid State Drive
Audio system	DTS:X Ultra	<b>Packaging content</b>	
Built-in speaker(s)	✓	Quick start guide	✗
Number of built-in speakers	2	<b>Logistics data</b>	
Built-in microphone	✓	Harmonized System (HS) code	8528529900
Number of microphones	2	<b>Technical details</b>	
<b>Camera</b>		Built-in optical drive	✗
Front camera	✓	Display type	LED
Infrared (IR) camera	✓	Resolution	2560 x 1600 pixels
<b>Network</b>		Notebook display diagonal (cm/inch)	16"
Wi-Fi	✓	Processor	i7-1260P
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)		



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