LG

LG Gram 16 16Z90R-K.AD78A1

Brand : LG

Product family: Gram

Product code: 16Z90R-K.AD78A1

Product name : LG gram 16 16Z90R-K.AD78A1

- Windows 11 Home 64-bit
- Intel Core i7-1360P (18MB Cache)
- 40.6 cm (16") WQXGA 2560 x 1600 IPS
- 32GB (6000MHz) LPDDR5-SDRAM & 1000GB SSD

Intel Core i7-1360P (18MB Cache), 32GB LPDDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600 IPS, Intel Iris Xe Graphics, WLAN, Webcam, Windows 11 Home 64-bit

LG Gram 16 16Z90R-K.AD78A1. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-1360P. 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

Colour name	Obsidian Black
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Housing material	Magnesium
Market positioning	Premium
Introduction year	2023
Country of origin	China

Display

Display diagonal *	40.6 cm (16")
Display resolution *	2560 x 1600 pixels
Touchscreen *	✘
HD type	WQXGA
Panel type	IPS
LED backlight	✔
Native aspect ratio	16:10
Display surface	Matt
Anti-glare screen	✔
Display brightness	350 cd/m²
RGB colour space	DCI-P3
Colour gamut	99%
Maximum refresh rate	60 Hz

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	13th gen Intel® Core™ i7
Processor model *	i7-1360P
Processor cores	12

Graphics

On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✘
On-board graphics card family	Intel Iris Xe Graphics
On-board graphics card model *	Intel Iris Xe Graphics

Audio

Audio system	Dolby Atmos
Number of built-in speakers	2
Speaker power	2 W

Camera

Front camera	✔
Front camera HD type	Full HD
Infrared (IR) camera	✔

Network

Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection *	✘
Bluetooth	✔
Bluetooth version	5.1

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
HDMI ports quantity *	1
Thunderbolt 4 ports quantity	2
Intel® Thunderbolt 4	✔
Combo headphone/mic port	✔

Processor

Processor boost frequency	5 GHz
Performance cores	4
Efficient cores	8
Performance-core Max Turbo Frequency	5 GHz
Efficient-core Max Turbo Frequency	3.7 GHz
Processor cache	18 MB
Processor cache type	Smart Cache
Configurable TDP-down	20 W
Processor base power	28 W
Maximum turbo power	64 W

Memory

Internal memory *	32 GB
Internal memory type	LPDDR5-SDRAM
Memory clock speed	6000 MHz

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
NVMe	✓
SSD form factor	M.2
SSD performance class	40
Optical drive type *	✘
Card reader integrated	✓
Compatible memory cards	MicroSD (TransFlash)

Graphics

Discrete graphics card model *	Not available

Keyboard

Pointing device	Touchpad
Keyboard layout	QWERTY
Keyboard language	English
Numeric keypad *	✓
Keyboard backlit	✓

Software

Operating system architecture	64-bit
Operating system installed *	Windows 11 Home

Processor special features

Intel® Evo™ Platform Verified	✓
CPU configuration (max)	1

Battery

Battery technology	Lithium-Ion (Li-Ion)
Battery capacity *	80 Wh
Fast charging	✓

Security

Face recognition	✓
Windows Hello	✓
Trusted Platform Module (TPM)	✓

Weight & dimensions

Width	355.1 mm
Depth	242.3 mm
Height	16.8 mm
Weight *	1.2 kg

Packaging data

Package width	475 mm
Package depth	290 mm
Package height	60 mm
Package weight	2.2 kg

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