# LG Gram 16Z90R-K.AD7AA1 laptop Intel® Core™ i7 i7-1360P 40.6 cm (16") WQXGA 16 GB LPDDR5-SDRAM 2 TB SSD Wi-Fi 6E (802.11ax) Windows 11 Home Black

**Brand :** LG

**Product family:** Gram

**Product code:** 16Z90R-K.AD7AA1

**Product name :** 16Z90R-K.AD7AA1

- Windows 11 Home 64-bit
- Intel Core i7-1360P (18MB Cache)
- 40.6 cm (16") WQXGA 2560 x 1600 IPS
- 16GB (6000MHz) LPDDR5-SDRAM & 2000GB SSD

Intel Core i7-1360P (18MB Cache), 16GB LPDDR5-SDRAM, 2000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600 IPS, Intel Iris Xe Graphics, WLAN, Webcam, Windows 11 Home 64-bit

LG Gram 16Z90R-K.AD7AA1. 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: 16 GB, Internal memory type: LPDDR5-SDRAM. Total storage capacity: 2 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 |

| Display | |
|---|---|
| Foldable 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 |
| 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 |

| Graphics | |
|---|---|
| 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 * | ✗ |
| Antenna type | 2x2 |
| WLAN controller model | Intel Wi-Fi 6E AX211 |
| WLAN controller manufacturer | Intel |
| Bluetooth | ✓ |
| Bluetooth version | 5.1 |

| Ports & interfaces | |
|---|---|
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity | 1 |
| HDMI ports quantity * | 1 |
| Thunderbolt 4 ports quantity | 2 |
| Intel® Thunderbolt 4 | ✓ |
| Combo headphone/mic port | ✓ |
| Charging port type | USB Type-C |
| USB Power Delivery | ✓ |

| Keyboard | |
|---|---|
| Pointing device | Touchpad |
| Numeric keypad * | ✓ |
| Keyboard backlit | ✓ |

| Processor | |
|---|---|
| Configurable TDP-down | 20 W |
| Processor base power | 28 W |
| Maximum turbo power | 64 W |

| Memory | |
|---|---|
| Internal memory * | 16 GB |
| Internal memory type | LPDDR5-SDRAM |
| Memory clock speed | 6000 MHz |
| Memory form factor | SO-DIMM |
| Memory slots | 2x SO-DIMM |

| Storage | |
|---|---|
| Total storage capacity * | 2 TB |
| Storage media * | SSD |
| Total SSDs capacity | 2 TB |
| Number of SSDs installed | 1 |
| SSD capacity | 2 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 |
| On-board graphics card * | ✓ |

| 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 | ✓ |

| Power | |
|---|---|
| AC adapter power | 65 W |

| 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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