



LG Gram 17Z90S-G.AD78A1 laptop Intel Core Ultra 7 155H 43.2 cm (17") 2.5K 32 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : LG

Product family: Gram

Product code: 17Z90S-G.AD78A1

Product name : 17Z90S-G.AD78A1

- Windows 11 Home
- Intel Core Ultra 7 155H (24MB Cache)
- Ultra - lightweight at 1,199g
- 43.18 cm (17") WQXGA 2560 x 1600 IPS with Anti-Glare
- 32GB LPDDR5x-SDRAM & 1000GB SSD
- Military grade durability with magnesium alloy body
- Black

Intel Core Ultra 7 155H (24MB Cache), 32GB LPDDR5x-SDRAM, 1000GB SSD, 43.18 cm (17") WQXGA 2560 x 1600 IPS, Intel Arc Graphics, WLAN, IR Webcam, Windows 11 Home

LG Gram 17Z90S-G.AD78A1. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 155H. Display diagonal: 43.2 cm (17"), HD type: 2.5K, Display resolution: 2560 x 1600 pixels. Internal memory: 32 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: Black. Weight: 1.35 kg



| Design | | Storage | |
|--------------------------|-------------------------------|---|----------------------|
| Colour name | Obsidian Black | SSD form factor | M.2 |
| Product type * | Laptop | Optical drive type * | ✗ |
| Product colour * | Black | Graphics | |
| Form factor * | Clamshell | On-board graphics card * | ✓ |
| Housing material | Magnesium | On-board GPU manufacturer | Intel |
| Market positioning | Premium | Discrete graphics card * | ✗ |
| Introduction year | 2024 | On-board graphics card family | Intel Arc Graphics |
| Display | | On-board graphics card model * | Intel Arc Graphics |
| Display diagonal * | 43.2 cm (17") | Audio | |
| Display resolution * | 2560 x 1600 pixels | Audio system | Dolby Atmos |
| Touchscreen * | ✗ | Number of built-in speakers | 2 |
| HD type | 2.5K | Speaker power | 2 W |
| Panel type | IPS | Built-in microphone | ✓ |
| Native aspect ratio | 16:10 | Camera | |
| Display surface | Matt | Front camera | ✓ |
| Anti-glare screen | ✓ | Front camera HD type | Full HD |
| Display brightness | 350 cd/m² | Infrared (IR) camera | ✓ |
| RGB colour space | DCI-P3 | Network | |
| Colour gamut | 99% | Top Wi-Fi standard * | Wi-Fi 6E (802.11ax) |
| Maximum refresh rate | 60 Hz | Wi-Fi standards | Wi-Fi 6E (802.11ax) |
| Contrast ratio (typical) | 1200:1 | Mobile network connection * | ✗ |
| Processor | | WLAN controller model | Intel Wi-Fi 6E AX211 |
| Processor manufacturer * | Intel | Bluetooth | ✓ |
| Processor family * | Intel Core Ultra 7 | Bluetooth version | 5.3 |
| Processor generation | Intel® Core™ Ultra (Series 1) | Ports & interfaces | |
| Processor model * | 155H | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity | 2 |
| Processor cores | 16 | | |
| Processor threads | 22 | | |

| Processor | | Ports & interfaces | |
|--|---|------------------------------|---|
| Processor boost frequency | 4.8 GHz | USB4 Gen 3x2 ports quantity | 2 |
| Performance cores | 6 | HDMI ports quantity * | 1 |
| Efficient cores | 8 | Thunderbolt 4 ports quantity | 2 |
| Low Power Efficient-cores | 2 | Intel® Thunderbolt 4 | ✓ |
| Performance-core Max Turbo Frequency | 4.8 GHz | Combo headphone/mic port | ✓ |
| Efficient-core Max Turbo Frequency | 3.8 GHz | Charging port type | USB Type-C |
| Low Power Efficient-core Max Turbo Frequency | 2.5 GHz | Keyboard | |
| Performance-core base frequency | 1.4 GHz | Pointing device | Touchpad |
| Efficient-core base frequency | 0.9 GHz | Keyboard layout | QWERTY |
| Low Power Efficient-core Base Frequency | 700 MHz | Numeric keypad * | ✓ |
| Processor cache | 24 MB | Keyboard backlit | ✓ |
| Processor cache type | Smart Cache | Keyboard number of keys | 101 |
| Processor base power | 28 W | Software | |
| Maximum turbo power | 115 W | Operating system installed * | Windows 11 Home |
| Neural processor unit (NPU) | | Bundled software | LG Smart Assistant, LG gram Link, LG Security Guard, LG Lively Theme, LG Glance by Mirametrix®, Dolby Atmos, Intel® Connectivity Performance Suite, McAfee Live Safe (30 Days Trial), Microsoft 365 (30 Days Trial) |
| Neural processor unit (NPU) | Intel AI Boost | | |
| Maximum frequency NPU | 1.4 GHz | | |
| Sparsity support | ✓ | | |
| Windows Studio effects support | ✓ | | |
| AI datatype support on NPU | FP16, FP32, Int8 | Battery | |
| AI software frameworks supported by NPU | DirectML, ONNX RT, OpenVINO, Windows ML | Battery technology | Lithium-Ion (Li-Ion) |
| Memory | | Battery capacity * | 77 Wh |
| Internal memory * | 32 GB | Power | |
| Internal memory type | LPDDR5x-SDRAM | AC adapter power | 65 W |
| Memory clock speed | 7467 MHz | Security | |
| Storage | | Cable lock slot | ✓ |
| Total storage capacity * | 1 TB | Cable lock slot type | Kensington |
| Storage media * | SSD | Face recognition | ✓ |
| Total SSDs capacity | 1 TB | Windows Hello | ✓ |
| Number of SSDs installed | 1 | Weight & dimensions | |
| SSD capacity | 1 TB | Width | 378.8 mm |
| NVMe | ✓ | Depth | 258.8 mm |
| | | Height | 17.8 mm |
| | | Weight * | 1.35 kg |
| | | Packaging data | |
| | | Package width | 499 mm |
| | | Package depth | 307 mm |
| | | Package height | 60 mm |
| | | Package weight | 2.5 kg |
| | | Other features | |
| | | Warranty period | 1 year(s) |



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