



## LG Gram 17Z90S-V.APC5U1 laptop Intel Core Ultra 7 155H 43.2 cm (17") WQXGA 16 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Grey

**Brand :** LG

**Product family:** Gram

**Product code:** 17Z90S-V.APC5U1

**Product name :** 17Z90S-V.APC5U1

LG Gram 17Z90S-V.APC5U1. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 155H. Display diagonal: 43.2 cm (17"), HD type: WQXGA, Display resolution: 2560 x 1600 pixels. Internal memory: 16 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics. Operating system installed: Windows 11 Pro. Product colour: Grey. Weight: 1.35 kg



| Design                                       |                               | Graphics                                          |                      |
|----------------------------------------------|-------------------------------|---------------------------------------------------|----------------------|
| Colour name                                  | Charcoal gray                 | Discrete graphics card model *                    | Not available        |
| Product type *                               | Laptop                        | On-board graphics card *                          | ✓                    |
| Product colour *                             | Grey                          | On-board GPU manufacturer                         | Intel                |
| Form factor *                                | Clamshell                     | Discrete graphics card *                          | ✗                    |
| Display                                      |                               | On-board graphics card family                     | Intel Arc Graphics   |
| Display diagonal *                           | 43.2 cm (17")                 | On-board graphics card model *                    | Intel Arc Graphics   |
| Display resolution *                         | 2560 x 1600 pixels            | Audio                                             |                      |
| Touchscreen *                                | ✗                             | Audio system                                      | Dolby Atmos          |
| HD type                                      | WQXGA                         | Number of built-in speakers                       | 2                    |
| Panel type                                   | IPS                           | Speaker power                                     | 2 W                  |
| Native aspect ratio                          | 16:10                         | Built-in microphone                               | ✓                    |
| Anti-glare screen                            | ✓                             | Number of microphones                             | 2                    |
| Display brightness                           | 350 cd/m²                     | Camera                                            |                      |
| RGB colour space                             | DCI-P3                        | Front camera                                      | ✓                    |
| Colour gamut                                 | 99%                           | Front camera resolution                           | 1920 x 1080 pixels   |
| Processor                                    |                               | Front camera HD type                              | Full HD              |
| Processor manufacturer *                     | Intel                         | Infrared (IR) camera                              | ✓                    |
| Processor family *                           | Intel Core Ultra 7            | Network                                           |                      |
| Processor generation                         | Intel® Core™ Ultra (Series 1) | Top Wi-Fi standard *                              | Wi-Fi 6E (802.11ax)  |
| Processor model *                            | 155H                          | Wi-Fi standards                                   | Wi-Fi 6E (802.11ax)  |
| Processor cores                              | 16                            | Mobile network connection *                       | ✗                    |
| Processor threads                            | 22                            | Antenna type                                      | 2x2                  |
| Processor boost frequency                    | 4.8 GHz                       | WLAN controller model                             | Intel Wi-Fi 6E AX211 |
| Performance cores                            | 6                             | WLAN controller manufacturer                      | Intel                |
| Efficient cores                              | 8                             | Bluetooth                                         | ✓                    |
| Low Power Efficient-cores                    | 2                             | Bluetooth version                                 | 5.3                  |
| Performance-core Max Turbo Frequency         | 4.8 GHz                       | Ports & interfaces                                |                      |
| Efficient-core Max Turbo Frequency           | 3.8 GHz                       | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2                    |
| Low Power Efficient-core Max Turbo Frequency | 2.5 GHz                       | USB4 Gen 3x2 ports quantity                       | 2                    |
| Performance-core base frequency              | 1.4 GHz                       | HDMI ports quantity *                             | 1                    |
| Efficient-core base frequency                | 0.9 GHz                       | Intel® Thunderbolt 4                              | ✓                    |
| Low Power Efficient-core Base Frequency      | 700 MHz                       | Combo headphone/mic port                          | ✓                    |

| Processor                               |                                         | Ports & interfaces                    |                      |
|-----------------------------------------|-----------------------------------------|---------------------------------------|----------------------|
| Processor cache                         | 24 MB                                   | USB Type-C DisplayPort Alternate Mode | ✓                    |
| Processor cache type                    | Smart Cache                             | Keyboard                              |                      |
| Processor base power                    | 28 W                                    | Pointing device                       | Touchpad             |
| Maximum turbo power                     | 115 W                                   | Numeric keypad *                      | ✓                    |
| Neural processor unit (NPU)             |                                         | Keyboard backlit                      | ✓                    |
| Neural processor unit (NPU)             | Intel AI Boost                          | Software                              |                      |
| Maximum frequency NPU                   | 1.4 GHz                                 | Operating system installed *          | Windows 11 Pro       |
| Sparsity support                        | ✓                                       | Battery                               |                      |
| Windows Studio effects support          | ✓                                       | Battery technology                    | Lithium-Ion (Li-Ion) |
| AI datatype support on NPU              | FP16, FP32, Int8                        | Battery capacity *                    | 77 Wh                |
| AI software frameworks supported by NPU | DirectML, ONNX RT, OpenVINO, Windows ML | Continuous video playback time (max)  | 18.9 h               |
| Memory                                  |                                         | Power                                 |                      |
| Internal memory *                       | 16 GB                                   | AC adapter power                      | 65 W                 |
| Internal memory type                    | LPDDR5x-SDRAM                           | USB Type-C charging port *            | ✓                    |
| Memory clock speed                      | 7467 MHz                                | USB Power Delivery (USB PD)           | ✓                    |
| Memory channels                         | Dual-channel                            | Security                              |                      |
| Storage                                 |                                         | Cable lock slot                       | ✓                    |
| Total storage capacity *                | 512 GB                                  | Cable lock slot type                  | Kensington           |
| Storage media *                         | SSD                                     | Trusted Platform Module (TPM)         | ✓                    |
| Total SSDs capacity                     | 512 GB                                  | Weight & dimensions                   |                      |
| Number of SSDs installed                | 1                                       | Width                                 | 378.8 mm             |
| SSD capacity                            | 512 GB                                  | Depth                                 | 258.8 mm             |
| NVMe                                    | ✓                                       | Height                                | 17.8 mm              |
| SSD form factor                         | M.2                                     | Weight *                              | 1.35 kg              |
| Optical drive type *                    | ✗                                       | Packaging data                        |                      |
| Card reader integrated                  | ✓                                       | Package width                         | 499 mm               |
| Compatible memory cards                 | MicroSD (TransFlash)                    | Package depth                         | 307 mm               |
|                                         |                                         | Package height                        | 60 mm                |
|                                         |                                         | Package weight                        | 2.5 kg               |

## Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity. Automated scraping, data mining, or harvesting for the purpose of training machine learning models, neural networks, or artificial intelligence systems is strictly prohibited without a commercial license.