# LG Gram 17Z90S-G.AP78F laptop Intel Core Ultra 7 155H 43,2 cm (17") WQXGA 16 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Black

**Brand :** LG **Product family:** Gram **Article code:** 17Z90S-G.AP78F

**Product name :** 17Z90S-G.AP78F

LG Gram 17Z90S-G.AP78F. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 155H, Processor frequency: 1,4 GHz. 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: 1 TB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics. Operating system installed: Windows 11 Pro. Product color: Black

| Design | |
|---|---|
| Product type * | Laptop |
| Product colour * | Black |
| Form factor * | Clamshell |
| Housing material | Magnesium |
| Market positioning | Business |

| Display | |
|---|---|
| Display diagonal * | 43.2 cm (17") |
| Display resolution * | 2560 x 1600 pixels |
| Touchscreen * | ✗ |
| HD type | WQXGA |
| Panel type | IPS |
| Native aspect ratio | 16:10 |
| Anti-glare screen | ✓ |
| Display brightness | 350 cd/m² |
| Display diagonal (metric) | 43.18 cm |
| RGB colour space | DCI-P3 |
| Colour gamut | 99% |
| Maximum refresh rate | 60 Hz |
| Contrast ratio (typical) | 1200:1 |

| Processor | |
|---|---|
| Processor manufacturer * | Intel |
| Processor family * | Intel Core Ultra 7 |
| Processor generation | Intel® Core™ Ultra (Series 1) |
| Processor model * | 155H |
| Processor cores | 16 |
| Processor boost frequency | 4.8 GHz |
| Processor frequency * | 1.4 GHz |
| Processor cache | 24 MB |
| Processor cache type | Smart Cache |

| Neural processor unit (NPU) | |
|---|---|
| Neural processor unit (NPU) | Intel AI Boost |
| Maximum frequency NPU | 1.4 GHz |
| Sparsity support | ✓ |

| Graphics | |
|---|---|
| Discrete graphics card * | ✗ |
| On-board graphics card family | Intel Arc Graphics |
| On-board graphics card model * | Intel Arc Graphics |

| Audio | |
|---|---|
| Audio system | Dolby Atmos |
| Number of built-in speakers | 2 |
| Speaker power | 2 W |
| Built-in microphone | ✓ |

| Camera | |
|---|---|
| Front camera | ✓ |
| Front camera HD type | Full HD |

| Network | |
|---|---|
| Top Wi-Fi standard * | Wi-Fi 6E (802.11ax) |
| Mobile network connection * | ✗ |
| Antenna type | 2x2 |
| WLAN controller model | Intel Wi-Fi 6E AX211 |
| Bluetooth | ✓ |
| Bluetooth version | 5.1 |

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

| Performance | |
|---|---|
| Repairability index | 8.4 |

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

| Neural processor unit (NPU) | |
|---|---|
| Windows Studio effects support | ✔ |
| AI software frameworks supported by NPU | DirectML, ONNX RT, OpenVINO, Windows ML |

| Memory | |
|---|---|
| Internal memory * | 16 GB |
| Internal memory type | LPDDR5x-SDRAM |
| Memory clock speed | 7467 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 | ✔ |
| Optical drive type * | ✘ |
| Card reader integrated | ✔ |
| Compatible memory cards | MicroSD (TransFlash) |

| Graphics | |
|---|---|
| Discrete graphics card model * | Not available |
| On-board graphics card * | ✔ |
| On-board GPU manufacturer | Intel |

| Software | |
|---|---|
| Operating system installed * | Windows 11 Pro |

| Processor special features | |
|---|---|
| Intel® Evo™ Platform Verified | ✘ |

| Battery | |
|---|---|
| Battery technology | Lithium-Ion (Li-Ion) |
| Battery capacity * | 77 Wh |

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

| Security | |
|---|---|
| Cable lock slot | ✔ |
| Cable lock slot type | Kensington |
| Fingerprint reader | ✔ |

| Weight & dimensions | |
|---|---|
| Width | 378.8 mm |
| 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 | 2.2 kg |

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