



## LG 27GR83Q-B computer monitor 68.6 cm (27") 2560 x 1440 pixels Quad HD LED Black

Brand : LG

Product code: 27GR83Q-B.AEU

Product name : 27GR83Q-B

27" UltraGear™ QHD 1ms 240Hz Gaming Monitor with NVIDIA® G-SYNC® Compatible  
LG 27GR83Q-B. Display diagonal: 68.6 cm (27"), Display resolution: 2560 x 1440 pixels, HD type: Quad HD, Display technology: LED, Display surface: Matt, Response time: 1 ms, Native aspect ratio: 16:9, Viewing angle, horizontal: 178°, Viewing angle, vertical: 178°. Built-in USB hub, USB hub version: 2.0 / 3.2 Gen 1 (3.1 Gen 1). VESA mounting, Height adjustment. Product colour: Black



| Display                             |                            | Ergonomics                                |                                                                                                                                                                |
|-------------------------------------|----------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display diagonal *                  | 68.6 cm (27")              | VESA mounting *                           | ✓                                                                                                                                                              |
| Display resolution *                | 2560 x 1440 pixels         | Panel mounting interface                  | 100 x 100 mm                                                                                                                                                   |
| HD type *                           | Quad HD                    | Wall mountable                            | ✓                                                                                                                                                              |
| Native aspect ratio *               | 16:9                       | Cable management                          | ✓                                                                                                                                                              |
| Display technology *                | LED                        | Cable lock slot *                         | ✓                                                                                                                                                              |
| Panel type *                        | IPS                        | Cable lock slot type                      | Kensington                                                                                                                                                     |
| Backlight type                      | LED                        | Height adjustment *                       | ✓                                                                                                                                                              |
| Touchscreen *                       | ✗                          | Adjustable height (max)                   | 11 cm                                                                                                                                                          |
| Display brightness (peak)           | 500 cd/m²                  | Pivot                                     | ✓                                                                                                                                                              |
| Display brightness (typical)        | 400 cd/m²                  | Swivelling                                | ✗                                                                                                                                                              |
| Response time *                     | 1 ms                       | Tilt adjustment                           | ✓                                                                                                                                                              |
| Display surface                     | Matt                       | Picture-in-Picture                        | ✗                                                                                                                                                              |
| Anti-glare screen                   | ✓                          | On Screen Display (OSD)                   | ✓                                                                                                                                                              |
| Screen shape *                      | Flat                       | On Screen Display (OSD) languages         | Simplified Chinese, Traditional Chinese, German, English, Spanish, French, Italian, Japanese, Korean, Polish, Portuguese, Russian, Swedish, Turkish, Ukrainian |
| Supported graphics resolutions      | 2560 x 1440                |                                           |                                                                                                                                                                |
| Supported video modes               | 480p, 720p, 1080p, 2160p   |                                           |                                                                                                                                                                |
| Aspect ratio                        | 16:9                       | Number of OSD languages                   | 17                                                                                                                                                             |
| Contrast ratio (typical) *          | 1000:1                     | Plug and Play                             | ✓                                                                                                                                                              |
| Maximum refresh rate *              | 240 Hz                     | X-ray film viewing mode                   | ✗                                                                                                                                                              |
| Viewing angle, horizontal           | 178°                       | Power                                     |                                                                                                                                                                |
| Viewing angle, vertical             | 178°                       | Energy efficiency class (SDR) *           | F                                                                                                                                                              |
| Display number of colours *         | 1.07 billion colours       | Energy efficiency class (HDR) *           | G                                                                                                                                                              |
| Response time (fast)                | 1 ms                       | Energy consumption (SDR) per 1000 hours * | 26 kWh                                                                                                                                                         |
| SmartResponse                       | 1 ms                       | Energy consumption (HDR) per 1000 hours * | 45 kWh                                                                                                                                                         |
| Pixel pitch                         | 0.2331 x 0.2331 mm         | Power consumption (typical) *             | 50 W                                                                                                                                                           |
| Pixel density                       | 108.79 ppi                 | Power consumption (standby) *             | 0.5 W                                                                                                                                                          |
| High Dynamic Range (HDR) supported  | ✓                          | Power consumption (max)                   | 55 W                                                                                                                                                           |
| High Dynamic Range (HDR) technology | DisplayHDR 400, HDR Effect | Power consumption (average)               | 52 W                                                                                                                                                           |
| Colour depth                        | 10 bit                     | Power consumption (off)                   | 0.3 W                                                                                                                                                          |
| Colour gamut standard               | DCI-P3                     | Power consumption (PowerSave)             | 0.5 W                                                                                                                                                          |
| Colour gamut                        | 95%                        | AC input voltage                          | 100 - 240 V                                                                                                                                                    |
| Performance                         |                            |                                           |                                                                                                                                                                |
| NVIDIA G-SYNC *                     | ✓                          |                                           |                                                                                                                                                                |

| Performance                                  |                             | Power                             |                                                 |
|----------------------------------------------|-----------------------------|-----------------------------------|-------------------------------------------------|
| NVIDIA G-SYNC type                           | G-SYNC Compatible           | AC input frequency                | 50/60 Hz                                        |
| AMD FreeSync *                               | ✓                           | Input current                     | 3.42 A                                          |
| AMD FreeSync type                            | FreeSync Premium            | AC adapter output voltage         | 19 V                                            |
| Fast charging                                | ✗                           | Power supply type                 | External                                        |
| ConnectShare (USB)                           | ✗                           | Energy efficiency scale           | A to G                                          |
| VESA Adaptive Sync support                   | ✗                           | Operational conditions            |                                                 |
| Flicker-free technology                      | ✓                           | Operating temperature (T-T)       | 0 - 40 °C                                       |
| Low Blue Light technology                    | ✓                           | Storage temperature (T-T)         | -20 - 60 °C                                     |
| Game mode                                    | ✓                           | Weight & dimensions               |                                                 |
| Smart modes                                  | Energy saving               | Width (with stand)                | 613.5 mm                                        |
| Multimedia                                   |                             | Depth (with stand)                | 253.7 mm                                        |
| Built-in speaker(s) *                        | ✗                           | Height (with stand)               | 577.7 mm                                        |
| Built-in microphone                          | ✗                           | Weight (with stand)               | 6.2 kg                                          |
| Adaptive Sound Control (ASC)                 | ✗                           | Width (without stand)             | 613.5 mm                                        |
| Multiroom                                    | ✗                           | Depth (without stand)             | 51.3 mm                                         |
| Built-in camera *                            | ✗                           | Height (without stand)            | 371.6 mm                                        |
|                                              |                             | Weight (without stand)            | 4.3 kg                                          |
| Design                                       |                             | Packaging data                    |                                                 |
| Market positioning *                         | Gaming                      | Package width                     | 691 mm                                          |
| Product colour *                             | Black                       | Package depth                     | 498 mm                                          |
| Refurbished                                  | ✗                           | Package height                    | 183 mm                                          |
| Colour name                                  | Black                       | Package weight                    | 8.62 kg                                         |
| Frameless design                             | ✓                           | Package type                      | Box                                             |
| Front bezel colour                           | Black                       | Packaging content                 |                                                 |
| Detachable stand                             | ✓                           | Stand included                    | ✓                                               |
| Illuminated stand                            | ✗                           | Cables included                   | DisplayPort, HDMI, USB Type-A to USB Type-B     |
| Feet colour                                  | Black                       | Power adapter included            | ✓                                               |
| Ports & interfaces                           |                             | Remote control included           | ✗                                               |
| Built-in USB hub *                           | ✓                           | Stylus included                   | ✗                                               |
| USB hub version                              | 2.0 / 3.2 Gen 1 (3.1 Gen 1) | Sun hood included                 | ✗                                               |
| USB upstream port type                       | USB Type-B                  | Screws included                   | ✗                                               |
| Number of upstream ports                     | 1                           | Quick start guide                 | ✗                                               |
| Number of USB Type-B upstream ports quantity | 3                           | Manual                            | ✗                                               |
| USB Type-A downstream ports quantity         | 2                           | DisplayPort cable length          | 1.8 m                                           |
| USB Power Delivery (USB PD)                  | ✗                           | HDMI cable length                 | 1.8 m                                           |
| USB Touch port                               | ✗                           | Power cable length                | 1.5 m                                           |
| HDMI *                                       | ✓                           | Remote control batteries included | ✗                                               |
| HDMI ports quantity                          | 2                           | Other features                    |                                                 |
| HDMI version                                 | 2.1                         | Country of origin                 | China                                           |
| DisplayPorts quantity                        | 1                           | Brand specific technologies       | Black Equalizer, Crosshair, DAS Mode, Eye Care+ |
| DisplayPort version                          | 1.4                         | Low input lag                     | ✓                                               |
| Headphone out *                              | ✓                           | FPS counter                       | ✓                                               |
| Headphone outputs                            | 1                           | Shadow control                    | ✓                                               |
| Headphone connectivity                       | 3.5 mm                      | Motion blur reduction             | ✗                                               |
| Microphone in                                | ✗                           | Sound mirroring                   | ✗                                               |
| PC Audio in                                  | ✗                           | Screen mirroring                  | ✗                                               |
| OPS module slot                              | ✗                           | Dialog enhancement                | ✗                                               |
| Built-in KVM switch                          | ✗                           | HBR3 support                      | ✗                                               |
| HDCP                                         | ✓                           | TV Plus                           | ✗                                               |
| HDCP version                                 | 1.4/2.3                     | SmartThings app support           | ✗                                               |
| DC-in jack                                   | ✓                           | Works with Samsung Bixby          | ✗                                               |
| AC (power) in                                | ✗                           | Office 365 support                | ✗                                               |
| Network                                      |                             | Wireless Dex support              | ✗                                               |
| Wi-Fi                                        | ✗                           |                                   |                                                 |

| Network           |   | Other features              |           |
|-------------------|---|-----------------------------|-----------|
| Wi-Fi Direct      | ✗ | Works with Google Home      | ✗         |
| Bluetooth         | ✗ | Tap view                    | ✗         |
| Ethernet LAN      | ✗ | Web browser                 | ✗         |
| Remotely operated | ✗ | Introduction year           | 2023      |
|                   |   | Introduction month          | December  |
|                   |   | Hardware calibration        | ✓         |
|                   |   | Built-in calibration sensor | ✓         |
|                   |   | Warranty period             | 2 year(s) |



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### Catalog Object Cloud



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