Request information

27 Inch

LED-Framed Monitor

The LED-Framed monitor dazzles with ambient lighting effects on the front and/or back of its sides. The color, style, and rhythm of the lights can be used as adornments, alerts, attractions, flags, indicators or fanfare that will surely boost the interactive functions of a display for both the users and operators.

To match different design styles, General Touch offers various LED light strip designs, including Front design with LED lights visible from the front, Edge design and Halo design with LED lights visible from the front and sides. The rear of the LED-Framed monitor has multiple design options too, such as rear-fire LED strips on four sides, U-shaped strips on three sides, or two parallel strips on the short or long edges. These combinations offer a wide variety of style and luster.

The GT LED-Framed monitor stands out with their exceptional lighting effects, featuring no hot spots, dark spots, and dark corners, and ensuring a high level of uniformity with finely crafted, well-sealed, and free from LED light leakage. To facilitate customer control over the LEDs, GT provides protocols and controllers for customers to choose from. The LED controllers can be embedded or external, and it also supports customer-supplied controllers. The lighting effects offer dozens of standard modes and can be customized to meet specific customer requirements.

LED-Framed monitors have been widely used in various scenes and domains, including gaming, kiosks, entertainment, EV chargers, meetings, and way-finding. The landscape, portrait, and VESA mounting options allow for quick and convenient integration with different environments, fulfilling customers' demands for high-quality dual interaction experiences.

- Gaming
- Kiosk
- Vending Machine

Features & Benefits

- LED-Framed, Edge design
- No hot spot, no dark spot, no dark corner, high level uniformity
- Optical bonding technology, providing a more authentic display
- Metal frame, precisely and finely crafted
- Extremely narrow border
- Well sealed, non LED light leakage
- True flat, closed frame, compatible with various application

SPECIFICATIONS

Product Name	27 Inch LED-Framed Monitor
Model	ONL277
LCD Panel Parameters	
Display Technology	Active Matrix TFT-LCD with LED Backlight
Aspect Ratio	16:9
Active Area (W x H)	597.89mm × 336.31mm
Native Resolution	1920 × 1080 @ 60Hz
Response Time (Typ.)	14ms
Display Colors	16.7M
Luminance (Typ.)	400nits
Contrast Ratio (Typ.)	1000:1
Viewing Angle (Typ.)	Horizontal: CR≥10 89°/89° Vertical: CR≥10 89°/89°
Screen Parameters	
Cover Glass Treatment	Strengthened
Cover Glass Surface Treatment	Optional: Anti-glare
Impact Resistance Level	IK07
Thickness (Total)	3.0mm
Light Transmission	≥ 90%
Overall Parameters	
Case/Bezel Color	Black
Mounting Options	VESA: 400mm × 150mm, 100mm × 100mm, 75mm × 75mm
Outline Dimensions (W×H×D)	628.0mm × 367.8mm × 57.8mm
Power Supply	Input Voltage Range: Monitor: +12VDC ± 5%, Coaxial power jack 2.5mm pin outer diameter Optional LED controller (External): +12VDC ± 5%, Coaxial power jack 2.5mm pin outer diameter
On Screen Display (OSD)	Control (Back): Power, Auto, Up, Down, Menu
Power Consumption (Max.)	36W (Monitor with RGB LED Lights)
Operating Altitude	≤ 3000m
Temperature Range	Operating: 0℃ to 40℃, storage: -20℃ to 60℃
Humidity (Non Condensing)	Operating: 20% to 80%, storage: 10% to 90%
I/O	HDMI, DP
Accessories	Optional
Carton Box Dimensions	740mm (L) × 275mm (W) × 492mm (H), 2 units in one carton
Weight	Net: 9kg, Gross: 25kg
MTBF	50,000 hours demonstrated

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LED Lights Color	Multicolor
LED Lights Location	3 LED lights bar (Front, Edge, see drawing for details)
LED Controller (External)	Optional
Agency Approvals	CE, FCC, UKCA, UL
Warranty	3 years

Ordering Information

Model	Part Number	Description
ONL277-L03000-0D4F30-1.0	10205010157L	27”, 16:9, FHD, 400nits, non-touch, USB, HDMI/DP, 3 LED lights bar (front, edge)

Optional Accessories

Model	Part Number	Description
HDMI Cable	30302030001R	HDMI Cable A Male-A Male 1500mm
DP Cable	30302010001R	DP Cable Male-Male 1500mm
LED Controller Kit	20701040010R	12 V / 50 W Addressable LED Controller Kit

Note: Includes a 1000mm LED strip cable.
If you want to design the LED strip cable according to your application, please adopt the unshielded and non-twisted wires. The length should be no more than 2m, and the wire diameter should be more than 20AWG.
Please feel free to contact us if you need assistance.

Adapter	30207010005R	Power Adapter 12V / 50W / 2.5mm / 1500mm	
Power Cable	30301010018R 30301010011R 30301010010R	UK EU US	1500mm

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