27 Inch

LED-Framed Touchmonitor

The LED-Framed touchmonitor 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 touch 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 touchmonitor 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 touchmonitors 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
- PCAP powered by General Touch, quality assurance
- Extremely narrow border
- Metal frame, precisely and finely crafted
- Well sealed, non LED light leakage
- True flat, closed frame, compatible with various application

SPECIFICATIONS

Product Name	27 Inch LED-Framed Touchmonitor
Model	OBL277
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°
Touch Screen Parameters	
Touch Technology	PCAP
Cover Glass Treatment	Strengthened
Cover Glass Surface Treatment	Optional: Anti-glare
Impact Resistance Level	IK07
Thickness (Total)	3.5mm
Light Transmission	≥ 83%
Response Time (Typ.)	8ms
Touch Screen Interface	USB
Touch Point	10
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, USB (Type B)
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
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
OBL277-LC4000-UD4F30-1.0	10202010923L	27”, 16:9, FHD, 400nits, PCAP, USB, HDMI/DP, 3 LED lights bar (front, edge)

Optional Accessories

Model	Part Number	Description
USB Cable	30302050006R	USB Cable A Male-B Male 1500mm
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 1500mm US

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