

Elo 19" LCD Rear-Mount Touchmonitor



High quality panel and surface wave touch technology combined in a compact form factor

Product Overview

Elo's 1939L 19" LCD rear-mount touchmonitor delivers a cost-effective touch solution for OEM's and systems integrators, and complements Elo's expanding family of touch solutions for applications in the retail self-service and gaming/amusement markets. This compact 3000 series touchmonitor is "designed for touch" from the ground up, with Elo's proven expertise and reliability built in, and not added as an afterthought by altering an existing monitor. The 1939L features a brilliant wide viewing angle panel to instantly grab and hold the users' attention, whether they are checking out retail goods with a self-service kiosk or playing games in a casino or arcade. Because the enclosure is controlled by Elo's specifications and tooling, Elo's rear-mount monitors have a long-lasting product cycle—important for continuity through all phases of project rollouts and when servicing.

The 1939L uses clear glass IntelliTouch surface wave technology for the utmost in optical quality, durability, and drift-free stability. It also features a unique, injection-molded minibezel with virtually invisible watertight seal, making it ideal for the rigors of public use. Narrow borders, multiple mounting options, and a dual serial/USB touch interface add to the versatility of the 1939L. Worldwide agency approvals, as set forth on the back side of the spec sheet, cover the entire monitor that is designed, built and supported by Elo, a true single source supplier.

Product Features

- Bright, high contrast display with wide viewing angle to attract and hold users' attention
- Elo's pure glass IntelliTouch surface wave technology for excellent optics, durability, and long-term reliability
- "Designed for touch" from the ground up: includes Elo's patented protective minibezel for sealing against liquids
- Slim and compact outer dimensions
- Long lasting product cycle—enclosure controlled by Elo specifications
- Multiple mounting options
- Dual serial and USB connectivity
- Worldwide agency approvals
- Three-year standard warranty
- Designed, built, and supported by Elo

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Product Specifications

Model	1939L
Case/Bezel Color	Steel/black
Display Type	Active matrix TFT LCD
Display Size	19.0" diagonal
Useful Screen Area: Horizontal/Vertical	14.8" (376 mm)/11.9" (301 mm)
Monitor Dimensions	Width: 16.3" (415 mm) Height: 13.5" (343 mm) Depth: 2.0" (51 mm)
Optimal (Native) Resolution	1280 x 1024
Other Supported Resolutions	1280 x 1024 60, 70, 75 Hz; 1280 x 960 60 Hz; 1152 x 864 75 Hz; 1024 x 768 60, 70, 75 Hz; 1024 x 768 65 Hz (Sun); 832 x 624 75 Hz (Mac); 800 x 600 56, 60, 72, 75 Hz; 720 x 400 70 Hz; 720 x 350 70 Hz; 640 x 480 60, 72, 75 Hz; 640 x 480 66 Hz (Mac)
Colors	16.7 million colors
Brightness (Typical)	
LCD Panel	250 cd/m ²
LCD Panel with IntelliTouch	230 cd/m ²
LCD Panel with Surface Capacitive	212 cd/m ²
LCD Panel with CarrollTouch	230 cd/m ²
Response Time (Typical): Rise/Fall	13 msec/7 msec
Viewing Angle (Typical at a CR>10)	
Horizontal (Left/Right)	85°/85°
Vertical (Up/Down)	85°/85°
Contrast Ratio	1000:1
Input Video Format	RGB analog
Input Sync Format	Separate H & V sync, composite sync, and sync-on-green
Input Video Signal Connector	Mini D-Sub 15-Pin VGA type
Scanning Frequency: Horizontal/Vertical	31.5 - 80.0 kHz/56.3 - 75 Hz
Power Dissipation	
Monitor Only	46 W (max.)
Monitor and Power Brick	50 W (max.)
Power Supply	External AC to DC power brick is provided
Input Voltage Requirement	
Monitor Input	+12VDC +/- 5%, 3.2A typical, 3.8A maximum
AC to DC Power Brick Input	100-240 VAC, 50/60Hz
Temperature: Operating/Storage	0°C to 40°C/-20°C to 60°C
Humidity (Non-Condensing): Operating/Storage	20% to 80%/10% to 90%
Mean Time Between Failures (MTBF)	50,000 hours demonstrated
Backlight Lamp Life (Typical)	40,000 hours to half brightness
Weight (Approx.): Actual/Shipping	5.2 kg (11.5 lbs)/7.3 kg (16.1 lbs)
Other Features	Digital on-screen display (OSD); Fully RoHS compliant; Patent pending bezel seal and patented touch technology
Mounting Options	75 mm and 100 mm VESA mounting; rear mount with or without bezel, mounting brackets (included)
User's Controls	OSD buttons: menu, left, right, select, power; OSD: contrast, brightness, H/V position, RGB (color temp), clock, phase, recall, language (English, German, Spanish, Japanese, French); OSD disable/enable and power disable/enable
Warranty	Touchmonitor: 3 years
Touch Interface	Serial and USB
Agency Certifications	UL, cUL, SEMKO, CB, TÜV-T, CE/FCC/VCCI/IC/C-TICK (Class B)