



1939L 19" LCD Open-Frame Touchmonitor

High-quality panel and choice of touch technology in a compact form factor

The Elo TouchSystems 1939L 19" LCD open-frame touchmonitor delivers a cost-effective touch solution for OEM's and systems integrators, and complements the expanding family of Elo touch solutions for applications in the retail self-service and gaming/amusement markets. This compact touchmonitor is "designed for touch" with proven Elo expertise and reliability built in, not added later 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 specifications and tooling, Elo open-frame touchmonitors have a history of product availability—important for continuity through all phases of project rollouts and when servicing. The 1939L also features a unique, injection-molded minibezel with a virtually invisible watertight seal, making it well-suited 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 a true single source supplier.

Features

- High quality panel with 178° x 178° viewing angle
- 1000:1 contrast ratio
- Integrated precision minibezel with watertight 0.5mm seal
- Mounting options including rear-mount (two standard rear-mount brackets included) and VESA mount; optional front mount and rack mount
- IntelliTouch or SecureTouch surface acoustic wave, AccuTouch five-wire resistive, CarrollTouch infrared and surface capacitive touch technology with dual serial/USB touch interface; Acoustic Pulse Recognition (APR) touch technology with USB touch interface
- Multilingual on-screen display (OSD)

Applications

- Casino and amusement games
- Information kiosks
- Self-service
- Industrial process control



1939L 19" LCD Open-Frame Touchmonitor Specifications

Case/Bezel color	Steel/black
Display	Size: 19.0" diagonal; Type: Active matrix TFT LCD; Aspect ratio: 5 x 4
Useful screen area	Horizontal: 14.8" (376 mm); Vertical 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 at 60, 70 or 75 Hz; 1280 x 960 at 60 Hz; 1152 x 864 at 75 Hz; 1024 x 768 at 60, 65 (Sun), 70 or 75 Hz; 832 x 624 at 75 Hz (Mac); 800 x 600 at 56, 60, 72 or 75 Hz; 720 x 400 at 70 Hz; 720 x 350 at 70 Hz; 640 x 480 at 60, 66 (Mac), 72 or 75 Hz; 512 x 247 at 60 Hz (CGA); 512 x 256 at 60 Hz (CGA)
Colors	16.7 million colors
Brightness (typical)	LCD panel: 250cd/m ² ; with AccuTouch: 200 cd/m ² ; with Acoustic Pulse Recognition: 225 cd/m ² ; with CarrollTouch: 225 cd/m ² ; with IntelliTouch: 225 cd/m ² ; with SecureTouch: 220 cd/m ² ; with surface capacitive: 212 cd/m ²
Response time (typical)	25 msec (combined rise/fall)
Viewing angle (typical at a CR>10)	Horizontal (left/right): ±89° or 178° total Vertical (up/down): ±89° or 178° total
Contrast ratio (typical)	1300:1
Input video format	RGB analog
Input sync format	Separate horizontal and vertical sync, composite sync, and sync-on-green
Input video signal connector	Mini D-Sub 15-Pin VGA type
Input frequency	Horizontal: 31.5-80.0 kHz; Vertical: 56.3-75 Hz
Power supply	External DC—optional power brick (sold separately) Input voltage—DC: +12VDC ±5% at 2.5 A max. Input power connector specification (on monitor)—Type: DC Barrel Jack; Barrel inner diameter: 6.4 mm (±0.3 mm); Pin outer diameter: 2.0 mm (+0.0 -0.1 mm); Barrel depth: 8.8 mm (±0.3 mm) Power connector (on power brick)—Type: DC Barrel Plug; Barrel outer diameter: 5.5 mm (±0.1 mm); Pin inner diameter: 2.1 mm (±0.1 mm); Barrel length: 9.5 mm (±0.5 mm)
Power consumption (typical)	30W
Power dissipation	Monitor only: 38 W typical, 46 W max.; Monitor and power brick: 43 W typical, 50 W max.
Temperature	Operating: 0°C to 40°C; Storage: -20°C to 60°C
Humidity (non-condensing)	Operating: 20%-80%; Storage: 10%-90%
Weight (approx.)	Actual: 5.2 kg (11.5 lbs); Shipping: 7.3 kg (16.1 lbs)
Warranty	Touchmonitor: 3 years
Backlight lamp life (typical)	50,000 hours to half brightness
Mean time between failures (MTBF)	50,000 hours demonstrated
Agency approvals	North America/Worldwide: UL, cUL (Recognized), TÜV-T Mark, Argentina S, CE, FCC, VCCI, IC, C-Tick (Class B); Asia: UL, cUL (Recognized), TÜV-T Mark, Argentina S, CE, FCC, VCCI, IC, C-Tick (Class B), BSMI, MIC, CCC, China RoHS
On-screen display (OSD)	Digital OSD or optional remote OSD with 1.8m cable
User's controls	Optional remote OSD: Auto/Sel, up, down, menu; 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: power, OSD menu
Mounting options	75 mm or 100 mm VESA mount; Rear mount or with included standard mounting brackets; Front mount with optional bezel; Rack mount with optional bracket
Other features	Fully RoHS compliant

To find out more about Elo's extensive range of touch solutions, go to www.elotouch.com, or call the office nearest you.

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