



## 1938L 19" LCD Open-Frame Touchmonitor

A high-quality wide-aspect panel and slim dimensions are well-suited for casino gaming, amusement and self-service kiosk applications

**The 1938L expands the Elo TouchSystems family of open-frame touchmonitors.** A 19-inch wide-aspect touchmonitor intended for touch-enabled casino gaming, amusement, self-service and information kiosk applications is a competitive touch solution for OEMs and system integrators. The 1938L is "designed for touch" with proven Elo expertise and reliability.

The 1938L is intended for use in public venues, such as touch-enabled juke-boxes and information kiosk applications where diverse environments and varied user types are commonplace. Like all Elo open-frame touchmonitors, the specifications and tooling are controlled to ensure product availability over time, which is important in maintaining continuity for all phases of project rollouts and servicing. The 1938L features an injection-molded bezel with a virtually invisible watertight seal, thus making it a good choice to withstand the rigors of public use. Narrow borders, black anodized bezel hardware, multiple mounting options, and dual serial/USB touch interface add to the touchmonitor's flexibility. Worldwide agency approvals, outlined in the product specifications, cover the entire monitor that is developed, built and supported by a true single-source supplier. Also, in order to eliminate electrical waste, the 1938L is offered as a no-power-brick model, where power bricks kits can be purchased separately.

The 1938L open-frame touchmonitor is available with four of Elo TouchSystems industry-leading touch technologies. Acoustic Pulse Recognition (APR) technology combines high quality optical performance, durability and stability, along with robust drag properties. IntelliTouch surface acoustic wave

technology delivers strong image quality and light transmission. SecureTouch surface acoustic wave technology offers high optical quality, in a vandal-resistant design. Surface capacitive technology offers fast and sensitive touch response with excellent dragging performance, making it well-suited for many gaming, amusement and POS self-checkout applications. The transparent protective coating makes the touchscreen resistant to scratches and abrasions.

### Benefits

- 300 nit brightness, 1000:1 contrast ratio, 5 ms response time, and 80° x 80° x 80° x 80° viewing angle
- Slim outline dimensions for ease of installation and an integrated bezel front lip enables precise mounting
- Watertight seal resists dirt, dust, and liquid splashes
- Choice of mounting options adds flexibility to installation configurations
- A single product that has both USB and serial touch interfaces delivers maximum flexibility
- OSD supports multiple languages, allowing for simplified installation in many countries
- Optional tethered remote OSD offers greater integration flexibility; complements existing integrated OSD
- Worldwide agency approvals
- Builds customer satisfaction and peace of mind with a three-year warranty



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# 1938L 19" LCD Open-Frame Touchmonitor Specifications

Case/Bezel color	Black Mini-bezel
Display type	Active matrix TFT LCD
Display size	19.0" diagonal
Useful screen area	Horizontal: 408.24 mm (16.1"); Vertical: 255.15 mm (10.0")
Monitor dimensions (IT, ST, SC)	Width: 444.3 mm (17.5") Height: 296.6 mm (11.7") Depth: 47.4 mm (1.9")
Monitor dimensions (APR)	Width: 444.3 mm (17.5") Height: 296.6 mm (11.7") Depth: 44.1 mm (1.7")
Package dimensions	Width: 540 mm (21.3") Height: 175 mm (6.9") Depth: 390 mm (15.4")
Native resolution	1440 x 900
Other supported resolutions	640 x 350 @ 70 Hz; 640 x 480 @ 60 Hz; 640 x 480 @ 66 Hz; 640 x 480 @ 72 Hz; 720 x 400 @ 70 Hz; 800 x 600 @ 56 Hz; 800 x 600 @ 60 Hz; 800 x 600 @ 72 Hz; 832 x 624 @ 75 Hz; 1024 x 768 @ 60 Hz; 1024 x 768 @ 65 Hz; 1024 x 768 @ 72 Hz; 1024 x 768 @ 75 Hz; 1152 x 864 @ 75 Hz; 1280 x 1024 @ 60 Hz; 1280 x 1024 @ 65 Hz; 1280 x 768 @ 75 Hz; 1280 x 960 @ 60 Hz; 1360 x 768 @ 60Hz; 1366 x 768 @ 60Hz; 1680 x 1050 @ 60Hz
Colors	16.7 million
Brightness (typical)	1938L without touchscreen: 300 cd/m <sup>2</sup> ; 1938L with APR: 276 cd/m <sup>2</sup> ; 1938L with IntelliTouch: 276 cd/m <sup>2</sup> ; 1938L with SecureTouch: 276 cd/m <sup>2</sup> ; 1938L with surface capacitive: 255 cd/m <sup>2</sup>
Response time (typical)	Rise Time 3.6 ms; Fall Time 1.4 ms
Viewing angle (typical)	Horizontal (viewed from left/right): 80° (left)/80° (right) at a CR>10 Vertical (viewed from above/below): 80° (above)/80° (below) at a CR>10
Contrast ratio (typical)	1000:1
Input video format	RGB Analog, DVI Video (worldwide models only)
Input video signal connector	Mini-D-Sub 15-Pin VGA type, DVI-D (worldwide models only)
Power supply	Optional power brick/cable kits available
Input voltage requirement	Monitor input: 12VDC/3.75A (45W) AC to DC Power Brick input: 100-240VAC, 50/60Hz
Monitor power dissipation	Monitor only: 34.8 Watts typical; Monitor and Power Brick: 41.6 Watts typical
Temperature	Operating: 0°C to 40°C; Storage: -20°C to 60°C
Humidity	Operating: 20% to 80% humidity (non-condensing); Storage: 10% to 90% humidity (non-condensing)
Mean time between failures (MTBF)	50,000 hours demonstrated
Backlight lamp life	Typical 50,000 hours to half brightness
Weight (approx.)	Actual: 4.6 kg; Shipping: 6.9 kg
On-screen display (OSD)	Digital OSD or Optional Remote OSD with 1.8m cable
Other features	Fully RoHS Compliant; 75 mm or 100 mm VESA mount; Open-frame or with included standard mounting brackets; Digital on-screen display (OSD); User's control: 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, French, Italian, German, Spanish, Traditional Chinese, Simple Chinese, Korean and Japanese); OSD disable/enable and power disable/enable
Warranty	3 years
Touch interface	Serial and USB
Agency Certification	Worldwide Models: UL, cUL (Recognized), TUV-T Mark, Argentina S, CE, FCC, VCCI, IC, GOST-R Mark, C-TICK (Class B), BSMI, MIC, CCC

To find out more about Elo's extensive range of touch solutions, go to [www.elotouch.com](http://www.elotouch.com), or call the office nearest you.

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