elo TOUCH SOLUTIONS

- "Designed for touch" with proven Elo expertise and reliability
- Slim outline dimensions for ease of integration
- Choice of mounting options gives installation flexibility
- 3 year standard warranty

1938L 19" LCD Open-Frame Touchmonitor

The 1938L expands the Elo Touch Solutions 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 a long product life, 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 Elo Touch Solutions, a true single-source supplier. Also, in order to eliminate elec trical waste, the 1938L is offered as a no-power-brick model. Power bricks kits can be purchased separately.

The 1938L open-frame touchmonitor is available with Elo Touch Solutions industry-leading touch technologies. IntelliTouch surface acoustic wave technology delivers strong image quality and light transmission. SecureTouch surface acoustic wave technology offers high optical quality, in a vandalresistant 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.
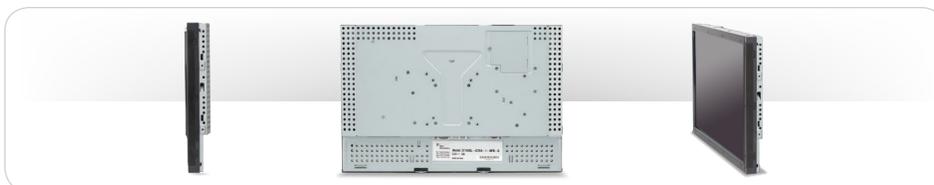
Benefits:

- 300 nit brightness, 1000:1 contrast ratio, 7.3 ms response time, and 80° x 80° x 80° x 80° viewing angle
- Watertight seal resists dirt, dust, and liquid splashes
- 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

Applications:

- Casino and amusement games
- Kiosks
- Self-service and point of information displays

About Elo

Elo founders pioneered the touch screen over 40 years ago. Today, Elo Touch Solutions is a leading global supplier of touch-enabled technology, products and industry solutions. The Elo portfolio encompasses the broadest selection of OEM touchscreen components, touchmonitors, and all-in-one touchcomputers for the demanding requirements of diverse markets, including gaming machines, hospitality systems, industrial automation, interactive kiosks, healthcare, office equipment, point of sale terminals, retail displays, and transportation applications. The Elo touch experience has consistently stood for quality, reliability and innovation with over 20 million installations worldwide.

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) Monitor dimensions (APR)	Width: 444.3 mm (17.5"); Height: 296.6 mm (11.7"); Depth: 47.4 mm (1.9") 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: 390 mm (15.4"); Depth: 175 mm (6.9")
Native resolution	1440 x 900
Other supported resolutions	1680 x 1050 @ 60 Hz; 1366 x 768 @ 60 Hz; 1360 x 768 @ 60 Hz; SXGA: 1280 x 1024 @ 60 or 75 Hz; 1280 x 960 @ 60 Hz; 1280 x 768 @ 60, 65 or 75 Hz; 1152 x 864 @ 75 Hz; XGA: 1024 x 768 @ 60, 65, 72 or 75 Hz; 832 x 624 @ 75 Hz; SGA: 800 x 600 @ 56, 60 or 72 Hz; 720 x 400 @ 70 Hz; 640 x 350 @ 70Hz; VGA: 640 x 480 @ 60, 66 or 72 Hz
Colors	16.7 million
Brightness (typical)	1938L without touchscreen: 1938L with IntelliTouch: 270 cd/m²; 1938L with SecureTouch: 270 cd/m²;
Response time (typical)	7.3 msec
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	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
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 (non-condensing)	Operating: 20% to 80% humidity; Storage: 10% to 90% humidity
Weight (approx.)	Actual: 4.8 kg; Shipping: 6.9 kg
Warranty	3 years
Backlight lamp life	Typical 50,000 hours to half brightness
Mean time between failures (MTBF)	50,000 hours demonstrated
Agency Certification	Worldwide Models: UL, cUL (Recognized) , TÜV-T Mark, Argentina S, CE, FCC, VCCI, IC, GOST-R Mark, C-TICK (Class B), BSMI, MIC, CCC
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, French, Italian, German, Spanish, Traditional Chinese, Simple Chinese, Korean, Japanese); OSD disable/enable: power, OSD menu
Other features	Fully RoHS compliant
Touch interface	Serial and USB

Ordering Information

Model	Part Number	Technology	Interface	Surface Treatment	Availability
1938L	E965017	IntelliTouch	Dual serial/USB	Antiglare	Americas, EMEA
	E681264	SecureTouch	Dual Serial/USB	Antiglare	Americas, EMEA
	E181041	IntelliTouch	Dual serial/USB	Antiglare	Asia/Pacific
	E799738	SecureTouch	Dual serial/USB	Antiglare	Asia/Pacific

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

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