

# 19" LCD Rear-mount Touchmonitor

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.

## Benefits

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



# SoftwareDevelopment : Spec

<b>Model</b>	1939L
<b>Case/bezel color</b>	Steel/black
<b>Display type</b>	Active matrix TFT LCD
<b>Display size</b>	19.0" diagonal
<b>Useful screen area</b>	
<b>Horizontal/vertical</b>	14.8" (376 mm)/11.9" (301 mm)
<b>Monitor dimensions</b>	Width: 16.3" (415 mm) Height: 13.5" (343 mm) Depth: 2.0" (51 mm)
<b>Optimal (native) resolution</b>	1280 x 1024
<b>Other supported resolutions</b>	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)
<b>Colors</b>	16.7 million colors
<b>Brightness (typical)</b>	LCD panel 250 cd/m2 LCD panel with IntelliTouch 230 cd/m2 LCD panel with Surface Capacitive 212 cd/m2 LCD panel with CarrollTouch 230 cd/m2
<b>Response time (typical)</b>	
<b>Rise/fall</b>	13 msec/7 msec
<b>Viewing angle (typical at a CR&gt;10)</b>	Horizontal (left/right) 85°/85° Vertical (up/down) 85°/85°
<b>Contrast ratio</b>	1000:1
<b>Input video format</b>	RGB analog
<b>Input sync format</b>	Separate H & V sync, composite sync, and sync-on-green
<b>Input video signal connector</b>	Mini D-Sub 15-Pin VGA type
<b>Scanning frequency</b>	
<b>Horizontal/vertical</b>	31.5 - 80.0 kHz/56.3 - 75 Hz
<b>Power dissipation</b>	
<b>Monitor only</b>	46 W (max.)
<b>Monitor and power brick</b>	50 W (max.)
<b>Power supply External AC to DC power brick is provided</b>	
<b>Input voltage requirement</b>	
<b>Monitor input</b>	+12VDC +/- 5%, 3.2A typical, 3.8A maximum
<b>AC to DC power brick input</b>	100-240 VAC, 50/60Hz
<b>Temperature</b>	
<b>Operating/storage</b>	0°C to 40°C/-20°C to 60°C
<b>Humidity (non-condensing)</b>	
<b>Operating/storage</b>	20% to 80%/10% to 90%
<b>Mean time between failures (MTBF)</b>	50,000 hours demonstrated
<b>Backlight lamp life (typical)</b>	40,000 hours to half brightness
<b>Weight (approx.)</b>	
<b>Actual/shipping</b>	5.2 kg (11.5 lbs)/7.3 kg (16.1 lbs)
<b>Other Features</b>	Digital on-screen display (OSD); Fully RoHS compliant; Patent pending bezel seal and patented touch technology
<b>Mounting options</b>	75 mm and 100 mm VESA mounting; rear mount with or without bezel, mounting brackets (included)
<b>User's controls</b>	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
<b>Warranty</b>	Touchmonitor: 3 years
<b>Touch interface</b>	Serial and USB
<b>Agency certifications</b>	UL, cUL, SEMKO, CB, TÜV-T, CE/FCC/VCCI/IC/C-TICK (Class B)