**elo** TOUCH SOLUTIONS

- "Designed for touch" with proven Elo expertise and reliability
- A bright, high-contrast display with wide viewing angle easily attracts and holds the user's attention
- 3 year warranty

## 2239L 22" Open-Frame Wide-Aspect LCD Touchmonitor

Elo Touch Solutions open-frame touchmonitor series features the 2239L that delivers a cost-effective touch solution for OEMs and systems integrators, and complements Elo's expanded family of touch solutions for gaming and amusement, retail self-service and kiosk applications. This compact 3000-series touchmonitor is "designed for touch", with Elo's proven expertise and reliability built-in, not added as an afterthought by altering an existing monitor.

The 2239L features a brilliant wide-viewing-angle LCD panel to instantly grab and hold the user's 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 openframe monitors have a long-lasting product cycle, which is important to maintain continuity through all phases of project rollouts and servicing. The 2239L uses clear-glass IntelliTouch surface-

wave technology to deliver optical quality, durability, and drift-free stability. It also features a unique, injection-molded bezel with a virtually invisible watertight seal, making it a good choice for the rigors of public use. Narrow borders, multiple mounting options, and a dual serial/USB touch interface add to the versatility of the 2239L. Worldwide agency approvals, as outlined on the back side of this sheet, cover the entire monitor that is designed, built and supported by Elo Touch Solutions, a true single-source supplier.

The 2239L is available with a choice of the innovative IntelliTouch surface acoustic wave, and surface-capacitive touch technologies. The comprehensive range of features includes analog and digital interfaces, multi-lingual on-screen display (OSD), mounting VESA standard, mounting brackets, cabled remote on-screen display (OSD), and worldwide compliance.

## Benefits:

- Elo Touch Solutions IntelliTouch (surface acoustic wave) technology offers high-quality optics, durability, and long-term reliability
- A transparent protective coating makes the touchscreen resistant to scratches and abrasions
- A sealed bezel that resists liquid splashes and spills adds additional protection to the touchmonitor
- The enclosure is controlled by Elo Touch Solutions specifications and results in a long-lasting product cycle.
- Multiple mounting options are available.
- Dual serial and USB connectivity are standard.

## Application:

- Casino and amusement games
- Retail self-service
- Kiosks

## 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.

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# 2239L 22" Open-Frame Wide-Aspect LCD Touchmonitor

| | |
|---|---|
| Case/Bezel Color | Dark gray |
| Display Type | Active matrix TFT LCD |
| Display Size | 22.0" diagonal |
| Useful Screen Area | Horizontal: 473.8 mm<br>Vertical: 296.1 mm |
| Monitor Dimensions | Width: 530 mm<br>Height: 352 mm<br>Depth: 78 mm |
| Optimal (Pre-Set) Resolution | 1680 x 1050 @ 60 Hz (90 pixels/inch) |
| Other Supported Resolutions | 640 x 480 @ 60 Hz, 640 x 480 @ 66 Hz, 640 x 480 @ 72 Hz, 720 x 350 @ 70 Hz, 720 x 400 @ 70 Hz, 800 x 500 @ 75 Hz, 800 x 600 @ 56 Hz, 800 x 600 @ 60 Hz, 800 x 600 @ 72Hz, 832 x 624 @ 75 Hz, 1024 x 768 @ 60 Hz, 1024 x 768 @ 65 Hz, 1024 x 768 @ 72Hz, 1024 x 768 @ 75 Hz, 1152 x 864 @ 75 Hz, 1280 x 960 @ 60 Hz, 1280 x 1024 @ 60 Hz, 1280 x 768 @ 65 Hz, 1280 x 1024 @ 75 Hz, 1360 x 768 @ 60 Hz, 1366 x 768 @ 60 Hz; 1600 x 1200 @ 60 Hz, 1680 x 1050 @ 75 Hz |
| Colors | 16.7 million colors |
| Brightness (typical) | LCD Panel: 300 cd/m$^2$, min. 250 cd/m$^2$ with IntelliTouch: 270 cd/m$^2$, min. 212 cd/m$^2$ |
| Response Time | Typical Rise Time 5 msec; Typical Fall Time 5 msec |
| Viewing Angle (typical) | Horizontal: 170° at a CR>10<br>Vertical: 160° at a CR>10 |
| Contrast Ratio | 1000:1 (typical) |
| Input Video Format | 1. RGB Analog Video<br>2. DVI Video (not available on 2239L-xxxx-x-A-x) models |
| Input Sync Format | Separate H & V sync, Composite Sync, and Sync-On-Green |
| Input Video Signal Connector | 1. 15-pin female D-sub for Analog Video<br>2. Female DVI-D for Digital Video |
| Scanning Frequency Ranges | Horizontal: 30 - 75 kHz<br>Vertical: 56 - 75 Hz |
| Power Consumption | 50W typical, 75W maximum (at 120V/60Hz input) |
| Power Supply - Internal | Monitor Input Voltage: 100~240 VAC, 50/60Hz |
| Temperature | Operating: 0°C to 40°C<br>Storage: -20°C to 60°C |
| Humidity | Operating: 20% to 80% humidity (non-condensing)<br>Storage: 10% to 90% humidity (non-condensing |
| Monitor MTBF (excluding lamps) | 50,000 hours demonstrated |
| Backlight Lamp Life | 50,000 hours (typical); 40,000 minimum |
| Weight (approx.) | Actual: 8.48 kg; Shipping: 12.59 kg |
| Other Features | 100 mm VESA mount; Digital on-screen display (OSD); User's control: OSD buttons: menu, up, down, select; OSD: automatic adjustment, contrast, brightness, H/V position, clock, phase, color temperature, input video select, OSD H/V position, OSD timeout, language (English, French, Italian, German, Spanish, Japanese, Traditional Chinese, Simplified Chinese), recall color, recall defaults, sharpness, display information; OSD locking/unlocking and power locking/unlocking |
| Warranty | TouchMonitor: 3 years |
| Touch Interface | USB and Serial (IntelliTouch) |
| Agency Certification | UL (US), cUL (Canada), GS Mark (Germany), FCC (US), CE (EU), NOM (Mexico), PCT (Russia), CCC/RoHS (China), eK/Mic (Korea), BSMI (Taiwan), Singapore, VCCI (Japan), C-Tick (Australia) and S-mark (Argentina), WEEE, IMERC. |

## Ordering Information

| Model | Part Number | Technology | Interface | Surface Treatment | Availability |
|---|---|---|---|---|---|
| 2239L | E654071 | IntelliTouch | Dual serial/USB | Antiglare | Americas |
| | E230376 | IntelliTouch | Dual Serial/USB | Clear | Americas |
| | E523763 | IntelliTouch | Dual serial/USB | Clear | Asia/Pacific |
| | E629432 | IntelliTouch | Dual serial/USB | Antiglare | Asia/Pacific |
| | E807682 | IntelliTouch | Dual serial/USB | Antiglare | EMEA |
| | E846997 | IntelliTouch | Dual serial/USB | Clear | EMEA |

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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