elo

- "Designed for Touch" with proven Elo expertise and reliability
- Pure-glass touchscreen for optimal image quality
- 3 year warranty

Benefits

- Choice of Elo touch technologies:
  Standard bezel: IntelliTouch SAW
  Zero-bezel: Projected capacitive
- PCAP 2GS (two glass solution) offers pristine optical clarity and touch durability
- Touchscreen sealed against dirt, dust and liquids
- LED backlighting allows for state-of-the-art slim design while reducing power consumption
- 10 touch projected capacitive (PCAP) with Thru-glass capabilities that passes UL-60950 & IK-07 Impact testing
- Display Port and VGA video interfaces

1593L 15.6-inch Open-Frame Touch Displays

The Elo 1593L 15.6" open-frame LCD touch display features a slim design and narrow outside dimensions due to the state-of-the art energy-saving LED backlight, using less electricity to operate and generating less heat. Featuring a brilliant wide viewing angle panel, the 1593L instantly grabs and holds the users' attention for kiosks, casino and amusement, retail self-service, and industrial automation.

This compact touch display is "designed for touch" with proven Elo expertise and reliability built in. The 1593L provides stable "drift-free" operation with outstanding image clarity and light transmission—for accurate touch responses and vivid images. The touchscreen is sealed against dirt, dust and liquids, which simplifies integration into the final enclosure. Long-lasting product availability can be expected as the design and tooling is controlled by Elo specifications.

Available with a choice of industry-leading touch technologies, in single- or multi-touch technology, including IntelliTouch® single-touch surface acoustic wave (SAW), and Elo's latest projected capacitive (PCAP) 2GS (two glass solution) multi-touch display with zero-bezel, offering both a ten touch "tablet like" interactive experience along with thru-glass functionality - both modes support single or dual latex gloves as well as cloth gloves.

At Elo, we design, build and are responsible for the complete solution with touch integrated from the start. We use our own touchscreens combined with our software and drivers, everything is designed to work together and tested as part of our life testing processes.

Worldwide agency approvals cover the whole display, which is developed, built, serviced and supported by a true single source supplier. The 1593L open-frame LCD touch display provides an economical solution for system integrators and VARs.

Application

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

About Elo

Elo founders pioneered the touchscreen 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, touch displays, 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.

1593L 15.6-inch Open-Frame Touch Display

Specifications	
Model	1593L
Color	Black
Active Display Area	344.23 x 193.54 mm / 13.55 x 7.62 inches
Diagonal	15.6"
Aspect Ratio	16:9
Dimensions	**Bezel:** 376.8 x 221.1 x 46.3 mm / 14.83 x 8.7 x 1.82 inches; **Zero-Bezel:** 394.7 x 242 x 43.4 mm / 15.54 x 9.53 x 1.71 inches
Native Resolution	1366 x 768 at 60Hz, 60Hz RB
Other Supported Resolutions	640 x 480 at 60Hz; 720 x 400 at 70Hz; 800 x 500 at 60Hz; 800 x 600 at 56, 60Hz; 1024 x 768 at 60Hz; 1280 x 800 at 60Hz; 1280 x 1024 at 60Hz
Colors	16.7 million
Brightness (typical)	LCD Panel: 300 nits; IntelliTouch: 270 nits; Projected Capacitive (PCAP): 270 nits
Response (typical)	10 msec
Viewing Angle	Horizontal: 80°/160°; Vertical: 80°/160°
Contrast Ratio	500:1
On-Screen Display	**Accessible through switches on the unit's tethered OSD Control box.** **Controls:** Menu, Up, Down, Select, Power **Settings:** Brightness, Contrast, Clock, Phase, H-position, V-position, Auto-Adjust, Aspect Ratio, Sharpness, Color Temperature, OSD Timeout, OSD Language, OSD H-Position, OSD V-Position, Recall Defaults, Video Priority, Information, Touch On Sleep Mode, Touch Through **Languages:** English, French, Italian, German, Spanish, Simplified Chinese, Traditional Chinese, Japanese **Lockouts:** OSD, Power
Input video format	Analog VGA and DisplayPort
Input video signal connector	Analog VGA on Female DB-15 connector DisplayPort V1.1a - Supports later versions of Display Port video input
Scanning frequency	Horizontal: 30 - 82 kHz; Vertical: 50 - 75 Hz
Power	**External DC - Optional power brick (sold separately)** **Monitor input power connector:** Coaxial power jack (2.0mm (+0.0 -0.1mm) pin outer diameter, 6.4mm (+/- 0.3mm) barrel inner diameter, 8.8mm (+/- 0.3mm) barrel depth) **Monitor input power signal specifications:** 12VDC +/- 5%
Power Consumption	ON (monitor + power brick): 15W SLEEP (monitor + power brick): 1.5W OFF (monitor + power brick): 0.5W
Temperature	Operating: 0 °C to 40 °C (32 °F to 104 °F); Storage: -20 °C to 60 °C (-4 °F to 140 °F)
Humidity	Operating: 20% to 80%; Storage: 10% to 95%
Weight	Unpackaged: 6.7 lbs (3.02 Kg); Packaged: 10.2 lbs (4.62 Kg)
Shipping Dimensions	470 (L) x 331 (W) x 175 (H) mm / 18.5 (L) x 13.03 (W) x 6.89 (H) inches
Mounting Options	75 mm VESA mount; 2-hole mounting interface on all 4 sides; Rear mount (PCAP Models); Front mount with optional bezel kit (IT Models); Rack mount with optional bezel kit (IT Models); Flush mount with included brackets (PCAP Models)
Warranty	3 years standard
MTBF	50,000 hours demonstrated
Agency Approvals	UL, FCC; RCM; cUL, IC; CCC; CE, TUV; VCCI; KCC; CoC; BSMI; CB; RoHS, China RoHS, WEEE, IMERC
What's in the Box	**All displays include:** VGA Cable, RJ45 OSD Remote, USB Touch Cable, User Manual CD, and Quick Install Guide; **For Zero-Bezel Models:** Flush Mount Brackets w/Screws; **For Bezeled Models:** "L" (Side Mount) Brackets w/Screws

Ordering Information

Model	Part Number	Part Description	Technology	Interface	Surface Treatment	Video Interface	Availability
1593L	E176938	ET1593L-2UWA-0-MT-ZB-NPB-G	Projected Capacitive	USB	Clear	VGA & DP	Worldwide
	E196874	ET1593L-8CWA-0-ST-NPB-G	IntelliTouch	Dual serial/USB	Clear	VGA & DP	Worldwide

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