



- “Designed for touch” from the ground up
- Elo reliability and quality at an economical price point
- 3 year warranty



1590L 15-inch LCD Open-Frame Touch Display

The Elo 1590L 15" open-frame LCD touch display complements the Elo expanding family of touch solutions for kiosks, casino and amusement, retail self-service, and industrial floor automation. Featuring a slim design and narrow outside dimensions, the state-of-the-art energy-saving LED backlight uses less electricity to operate and generates less heat.

This compact touch display is “designed for touch,” with proven Elo expertise and reliability built in. The 1590L 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.

The 1590L is available with a choice of industry-leading touch technologies, in both single touch and multi touch versions. The seamless zero-bezel 15"

multi-touch display is available with our latest projected capacitive (PCAP) 2GS (two glass solution) technology that delivers 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. Standard bezel, single-touch display options include AccuTouch® five-wire resistive, IntelliTouch® SAW or SecureTouch® anti-vandal SAW.

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 1590L open-frame LCD touch display provides an economical solution for system integrators and VARs.

PRODUCT OVERVIEW

Benefits

- Choice of Elo touch technologies:
 - **Standard bezel:** IntelliTouch SAW, SecureTouch anti-vandal SAW and AccuTouch five-wire resistive
 - **Zero-bezel:** Projected Capacitive
- PCAP 2GS (two glass solution) offers pristine optical clarity and touch durability
- 10 touch projected capacitive with Thru-glass capabilities that passes UL-60950 & IK-07 Impact testing
- Display Port and VGA video interfaces

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.



1590L 15-inch Open-Frame Touch Display

Specifications	
Model	1590L
Color	Black
Active Display Area	304 x 228 mm / 11.97 x 8.98 inches
Diagonal	15"
Aspect Ratio	4:3
Dimensions	Bezel: 336.4 x 264.4 x 41.9 mm / 13.24 x 10.41 x 1.65; Zero-Bezel: 358 x 284.9 x 35.6 mm / 14.09 x 11.22 x 1.40 inches
Native Resolution	1024 x 768 at 60, 75 Hz
Other Supported Resolutions	640 x 480 at 60 Hz; 720 x 400 at 70 Hz; 800 x 500 at 60 Hz; 800 x 600 at 56, 60Hz
Colors	16.2 million
Brightness (typical)	LCD Panel: 250 nits; AccuTouch: 200 nits; IntelliTouch: 225 nits; SecureTouch: 220 nits; Projected Capacitive (PCAP): 225 nits
Response (typical)	16ms
Viewing Angle	Horizontal: 80°/160°; Vertical: 70°/140°
Contrast Ratio	700:1
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 - 60 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): 12W 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: 6.4 lbs (2.9 kg); Packaged: 7.7 lbs (3.4 kg)
Shipping Dimensions	434 (L) x 375 (W) x 175 (H) mm / 17.1 x 14.8 x 6.9 inches
Mounting Options	75 mm and 100 mm VESA mount; 2-hole mounting interface on all 4 sides; Rear mount (PCAP Models); Front mount with optional bezel kit (IT/AT/ST Models); Rack mount with optional bezel kit (IT/AT/ST 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 Descriptions	Technology	Interface	Surface Treatment	Video Interface	Availability
1590L	E176164	ET1590L-2UWA-0-MT-ZB-NPB-G	Projected Capacitive	USB	Clear	VGA & DP	Worldwide
	E196676	ET1590L-8CWA-1-ST-NPB-G	IntelliTouch	Dual serial/USB	Antiglare	VGA & DP	Worldwide
	E176568	ET1590L-6CWA-1-ST-NPB-G	SecureTouch	Dual serial/USB	Antiglare	VGA & DP	Worldwide
	E176751	ET1590L-7CWA-1-ST-NPB-G	AccuTouch	Dual serial/USB	Antiglare	VGA & DP	Worldwide

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