The Elo 1590L 15-inch open-frame LCD touchscreen 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. This compact 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. Instantly grabbing and holding users’ attention, the open-frame touchscreen is perfect for kiosks, casino and amusement, retail self-service, and industrial automation environments.

Product Overview

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Choice of Elo touch technologies:
- Standard bezel: IntelliTouch® SAW, SecureTouch® SAW and AccuTouch® five-wire resistive
- Zero-bezel: TouchPro™ PCAP

Elo’s TouchPro PCAP offers:
- 2GS (two glass solution) with pristine optical clarity and touch durability.
- 10 touch with thru-glass capabilities that passes UL-60950 & IK-07 impact testing

Video Interfaces: HDMI, VGA & Display Port

Integrated Touch  
Commercial Grade  
3-Year Warranty
1590L 15-inch Open-Frame Touchscreen

Specifications

Model 1590L
Color Black
Active Display Area 11.97” x 8.98” / 304.1mm x 228.1mm
Diagonal 15”
Aspect Ratio 4:3
Dimensions Bezel: 13.24” x 10.41” x 1.65” / 336.4mm x 264.4mm x 41.9mm
Zero-Bezel: 14.09” x 11.22” x 1.40” / 358mm x 284.9mm x 35.6mm
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, 60 Hz
Number of Colors 16.2 million
Number of Touches Single-touch and 10-touch
Brightness (typical) LCD Panel: 250 nits; AccuTouch: 200 nits; IntelliTouch: 225 nits; SecureTouch: 220 nits; TouchPro PCAP: 225 nits
Response (typical) 16 ms/sec
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.

Video

 HDMI V1.3 Type A receptacle for HDMI input
 Analog VGA on Female DB-15 connector
 DisplayPort V1.1a - Supports later versions of Display Port video input
 Input Video Horizontal Sync frequency range: 30 – 60kHz
 Input Video Vertical Sync (frame rate) frequency range: 50-75kHz

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): 12.5W
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: 10.36 lbs / 4.7 kg

Shipping Dimensions 17.09” x 14.76” x 6.89” / 434mm x 375mm x 175mm

Mounting Options

75mm and 100mm VESA mount; 2-hole mounting interface on all 4 sides; Rear mount (TouchPro PCAP Models); Front mount with optional bezel kit (IntelliTouch/AccuTouch/SecureTouch Models); Rack mount with optional bezel kit (IntelliTouch/AccuTouch/SecureTouch Models); Flush mount with included brackets (TouchPro PCAP Models)

Warranty

3 years standard

Agency Approvals

UL, FCC; RCM; cUL; IC; CCC; CE, TUV; VCCI; KCC; CoC; CB; RoHS, China RoHS, WEEE, IMERC

What’s in the Box HDMI Cable, VGA Cable, OSD Remote, Touch USB 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, EEI Label, Japan Class-B TM info sheet

Ordering Information

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

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