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1990L
19-inch LCD

Open-Frame Touchscreen



Integrated Touch

Commercial Grade

3-Year Warranty

Product Overview

The Elo 1990L 19-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 1990L 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.

Choice of Elo touch technologies:
Standard bezel: IntelliTouch® SAW
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-62368 & IK-07 impact testing

Video: HDMI, VGA & Display Port

1990L 19-inch Open-Frame Touchscreen

Specifications	
Model	1990L
Color	Black
Active Display Area	14.8" x 11.85" / 376.32mm x 301.06mm
Diagonal	19"
Aspect Ratio	5:4
Native Resolution	1280 x 1024 at 60 Hz
Other Supported Resolutions	640x480 at 60Hz; 720x400 at 70Hz; 800x500 at 60Hz; 800x600 at 56, 60Hz; 1024x768 at 60Hz; 1280 x 800 at 60Hz
Number of Colors	16.7 million
Number of Touches	Bezel Models: Single-touch Zero-bezel Models: 10-touch
Brightness (typical)	LCD Panel: 250 nits IntelliTouch: 225 nits TouchPro PCAP: 225 nits
Response (typical)	5 msec
Viewing Angle	Horizontal: 85°/170°; Vertical: 80°/160°
Contrast Ratio	1000:1
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, USB HID mouse (PCAP Bezel only) Languages: English, French, Italian, German, Spanish, Simplified Chinese, Traditional Chinese, Japanese Lockouts: OSD, Power
I/O	USB TypeB, RJ45 for OSD remote key, VGA, HDMI, DisplayPort, 12V D/C in, Serial port* *Serial port available on bezel models only.
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 – 82KHz; Input Video Vertical Sync (frame rate) frequency range: 50-75Hz
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%; Adapter output power connector: DC barrel plug (2.1mm (+/- 0.1mm) pin inner diameter, 5.5mm (+/- 0.05mm) barrel outer diameter, 9.5mm (+/- 0.3mm) barrel length)
Power Consumption	ON (Default - 75% Brightness): 10.52 W; ON (Typical - 100% Brightness): 11.78 W 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%
Dimensions	Bezel Models: 16.33" x 13.50" x 1.97" / 414.7mm x 342.7mm x 50mm Zero-bezel Models: 16.54" x 13.70" x 1.60" / 420.1mm x 348.1mm x 40.7mm
Shipping Dimensions	20.71" x 17.72" x 6.85" / 526mm x 450mm x 174mm
Weight	Unpackaged: 10.14 lbs / 4.6 kg; Packaged: 16.31 lbs / 7.4 kg
Mounting Options	2 Hole mounting interface on all four sides Zero-bezel Models: 100mm VESA mount, Rear mount Bezel Models: 75mm and 100mm VESA mount, Rack mount with optional kit, Flush mount with included brackets, Front mount with optional bezel kit (bezel models see Accessories tab for details)
Warranty	3 years standard
Extended Warranty	4 year - E898247; 5 year - E898449; 3 year + AUR - E898648; 4 year + AUR - E894921; 5 year + AUR - E895125
MTBF	50,000 hours demonstrated
Agency Approvals	UL, FCC; RCM; cUL, IC; CCC; CE, TUV; VCCI; KCC; CoC; BSMI; CB; EAC; RoHS, China RoHS, WEEE
Compliance	TouchPro PCAP - GLI 27 kV air / 8 kV contact ESD compliant, UL 62368 ball-drop compliant, IK07 impact compliant, IP65 front side* *IP65 front side available on TouchPro PCAP zero bezel models only.
What's in the Box	Open Frame, HDMI Cable, VGA Cable, OSD Remote, Touch USB Cable, Quick Install Guide, EEI Label, Japan Class-B TM info sheet Zero-bezel Models: Flush Mount Brackets w/Screws Bezel Models: "L" (Side Mount) Brackets w/Screws

Ordering Information

Part Number	Technology	Interface	Surface Treatment	Video Interface
E330817	TouchPro PCAP Zero Bezel	USB 2.0	Clear	HDMI, VGA & Display Port
E296521	TouchPro PCAP Bezel	Dual serial/USB 2.0	Clear	HDMI, VGA & Display Port
E328497	IntelliTouch	Dual serial/USB 2.0	Clear	HDMI, VGA & Display Port

Learn more about Elo at **EloTouch.com**.

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