elo

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 Interfaces: 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
Dimensions	Bezel: 16.33" x 13.50" x 1.97" / 414.7mm x 342.7mm x 50mm Zero-Bezel: 16.54" x 13.70" x 1.60" / 420.1mm x 348.1mm x 40.7mm
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	Single-touch and 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 Languages: English, French, Italian, German, Spanish, Simplified Chinese, Traditional Chinese, Japanese Lockouts: OSD, Power
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%
Weight	Unpackaged: 10.14 lbs / 4.6 kg; Packaged: 16.31 lbs / 7.4 kg
Shipping Dimensions	20.71" x 17.72" x 6.85" / 526mm x 450mm x 174mm
Mounting Options	100mm VESA mount (TouchPro PCAP Models); 75mm and 100mm VESA mount (IntelliTouch Models); Rear mount (TouchPro PCAP Models); 2 Hole mounting interface on all four sides. Front mount with optional bezel kit (IntelliTouch Models); Rack mount with optional kit (IntelliTouch Models); Flush mount with included brackets (TouchPro PCAP Models) See dimensional drawings for details
Warranty	3 years standard
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 only - GLI 27 kV air / 8 kV contact ESD compliant; UL 62368 ball-drop compliant; IK07 impact compliant
What's in the Box	HDMI Cable, VGA Cable, OSD Remote, Touch USB Cable, 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

Model	Part Number	Part Description	Technology	Interface	Surface Treatment	Video Interface
1990L	E330817	ET1990L-2UWB-0-MT-ZB-NPB-G	TouchPro PCAP	USB 2.0	Clear	HDMI, VGA & Display Port
	E328497	ET1990L-8CWB-0-ST-NPB-G	IntelliTouch	Dual serial/USB 2.0	Clear	HDMI, VGA & Display Port

Extended Warranty Options

Part Number	Description
E898247	4 Year Warranty Coverage
E898449	5 Year Warranty Coverage
E898648	3 Year Warranty Coverage + AUR
E894921	4 Year Warranty Coverage + AUR
E895125	5 Year Warranty Coverage + AUR

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