

1903LM 19-inch LCD

Medical Grade
Touchscreen Monitor



**IEC60601-1 4th Edition
& IP54 Compliant**



**DICOM 14 - Designed for
Consistent Image Review**



**Enhance Clinical Workflow
with Integrated 10-touch**

Product Overview

The Elo 1903LM 19-inch Medical Grade Touchscreen Monitor merges best-in-class touchscreen technology with DICOM Part 14 functionality to help enhance clinical review for healthcare providers while increasing patient engagement. With a compact form factor and clean design, the touchscreen monitors are well-suited for EMR documentation, image viewing, clinical collaboration, deployment within the laboratory and pharmacy and for integration into medical devices. Purpose-built for healthcare, the 03-Series medical monitors comply with IEC60601-1 4th edition requirements and are IP54 certified to support healthcare environments.

Available in 19-inch square and 22-inch, 24-inch & 27-inch widescreen displays creating a seamless style across a variety

Touchscreen is compatible with use of finger, glove and stylus

Multiple accessory and mounting options

- **Stand, Wall & Pole Mounts**
- **Handles**
- **Privacy Filters**
- **Elo Edge Connect peripherals**

1903LM 19-inch Medical Grade Touchscreen Monitor

Specifications	
Color	Black or White
Diagonal Size	19" / 482.6 mm
Active Touch Area	14.76" x 11.80" / 374.78 mm x 299.83 mm
LCD Technology	Active matrix TFT LCD
Touch Technology	TouchPro PCAP
Number of Touches	10 Touches
Aspect Ratio	5:4
Native Resolution	1280 x 1024
Preset Video Timings	640 x 480 60Hz, 640 x 400 70Hz, 720 x 400 70Hz, 800 x 500 60Hz, 800 x 600 56, 60Hz, 1024 x 768 60Hz, 1280 x 720 @ 58Hz, 60Hz, 1280 x 800 60Hz, 1280 x 1024 60Hz
Number of Colors	16.7M
Brightness (typical)	Panel: 250 nits; with TouchPro PCAP: 225 nits
Response Time (Tr + Tf) (typical)	14 msec
Viewing Angle (typical)	Horizontal: 89°/89° or 178° total; Vertical: 89°/89° or 178° total
Contrast Ratio (typical)	1000:1
On-Screen Display (OSD)	Accessible through switches along the bottom. Controls: Menu, Power, Up, Down, Select Settings: Brightness, Contrast, Clock, Phase, H-position, V-position, Auto-Adjust, Sharpness, Color Temperature, OSD Timeout, OSD Language, Volume, Mute, Recall Defaults, Audio Select, Power LED ON/OFF, Touch Thru, Touch Interface, DICOM Languages: English, French, Italian, German, Spanish, Simplified Chinese, Traditional Chinese, Japanese, Russian, Korean Lockouts: OSD, Power
I/O Ports	VGA (RS232 touch supported via E810917), HDMI, Combo Jack, DC Jack, USB Type B, USB 2.0 Type A, 4 x Micro USB
Peripheral Ports	4 x Micro USB side ports (Top, Bottom, Left, Right)
Video	VGA (VGA DE-15 (DB-15) Male connector cable included); HDMI (HDMI cable included); Input Video Horizontal Sync frequency range: 30 - 82KHz Input Video Vertical Sync (frame rate) frequency range: 50 - 75Hz
Speakers	2 x 2W internal speakers
Power	Monitor input power connector: Coaxial power jack (2.1 mm pin outer diameter, 6.4mm barrel inner diameter); Monitor input power signal specifications: 12VDC +/- 5%; Adapter input voltage range: 100-240VAC, 50/60Hz; Power Consumption - Monitor + AC/DC adapter: ON (Default - 80% Brightness): 14.53 W; ON (Typical - 100% Brightness): 16.36 W; SLEEP: 0.79 W; OFF: 0.37 W
Dimensions (H x W x D)	w/ stand: 16.91" x 15.65" x 7.61" / 429.60 mm x 397.65 mm x 193.40 mm; w/o stand: 16.91" x 13.96" x 1.64" / 429.60 mm x 354.60 mm x 41.6 mm
Shipping Dimensions (H x W x D)	w/ stand: 18.97" x 20.75" x 10.24" / 482 mm x 527 mm x 260 mm; w/o stand: 18.97" x 20.75" x 7.47" / 482 mm x 527 mm x 190 mm
Weight	Unpackaged - w/ stand: 13.9 lbs / 6.3 kg, w/o stand: 9.48 lbs / 4.3 kg; Packaged - w/ stand: 21.6 lbs / 9.8 kg, w/o stand: 15.04 lbs / 6.82 kg
Mounting Options	VESA 4-hole 100mm mounting interface on rear of unit
Temperature	Operating: 0° C to 40° C / Storage: -20° C to 60° C
Humidity (non-condensing)	Operating: 20% - 80% / Storage: 10% - 95% (38.7° maximum wet bulb temperature)
Regulatory approvals and declarations	Canada CUL, IC; China CCC; Europe CE; United Kingdom UKCA; Korea KCC; Taiwan BSMI; United States FCC, UL; Japan VCCI; International CB; Australia RCM; Russia EAC; Mexico CoC; RoHS, China RoHS, WEEE, REACH; India BIS
Healthcare Safety Standards	UL: AAMI /ANSI ES60601-1-2005/(R)2012 and A1:2012, C1:2009/(R)2012 and A2:2010/(R)2012/IEC 60601-1 Ed. 3.1 ; cUL: (CAN/CSA-C22.2 NO. 60601-1-14 /IEC60601-1 Ed. 3.1; CB: IEC 60601-1:2005+A1:2012 (Ed. 3.1); CE: IEC 60601-1-2:2014 (Ed. 4); Risk Management: ISO 14971:2007 + EN ISO 14971:2012; Usability: IEC 60601-1-6:2010+A1:2013 (Ed. 3.1), IEC 62366:2007+A1:2014 (Ed. 1.1)
DICOM	DICOM Part 14 (AAPM secondary display)
Ingress Protection	IP54 entire enclosure
Impact Protection	IK06
Warranty	3 years
Extended Warranty Option	4 year warranty coverage - Elo P/N: E898247 5 year warranty coverage - Elo P/N: E898449 3 year warranty coverage + AUR - Elo P/N: E898648 4 year warranty coverage + AUR - Elo P/N: E894921 5 year warranty coverage + AUR - Elo P/N: E895125
MTBF	50,000 hours demonstrated
What's in the Box	Touchmonitor, Quick Install Guide, 3x Tie wraps, VGA cable, HDMI cable, Touch USB cable, Audio cable, Power brick (E323104), NA Power cable, EU Power cable, EEI Label, DICOM calibration sheet, 2x cable cover screws, 4x VESA screws & 4x rubbers (for E380478/E380665 only, affix to VESA holes)

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Ordering Information

Part Number	Technology	Surface Treatment	Touch Interface	Color	Mount
E658394	TouchPro PCAP	Anti-glare	USB, Serial (via VGA)	Black	Stand
E658586	TouchPro PCAP	Anti-glare	USB, Serial (via VGA)	White	Stand
E380478	TouchPro PCAP	Anti-glare	USB, Serial (via VGA)	Black	No Stand
E380665	TouchPro PCAP	Anti-glare	USB, Serial (via VGA)	White	No Stand