



# 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.<br>Controls: Menu, Power, Up, Down, Select<br>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<br>Languages: English, French, Italian, German, Spanish, Simplified Chinese, Traditional Chinese, Japanese, Russian, Korean<br>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<br>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);<br>Monitor input power signal specifications: 12VDC +/- 5%; Adapter input voltage range: 100-240VAC, 50/60Hz;<br>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<br>5 year warranty coverage - Elo P/N: E898449<br>3 year warranty coverage + AUR - Elo P/N: E898648<br>4 year warranty coverage + AUR - Elo P/N: E894921<br>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, EEL 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 |

Learn more about Elo at [EloTouch.com](http://EloTouch.com).

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