

# 1502LM 15-inch LCD

Medical Grade  
Touchscreen Monitor



**IEC60601-1 4th Edition  
& IP22 Compliant**



**Medical Device  
Ready**



**Interactive Patient  
Entertainment Platform**

## Product Overview

The 1502LM Medical Grade Touchscreen Monitor merges best-in-class touchscreen technology with critical healthcare features, including adherence to IP-22 and IEC 60601-1 standards. Its compact form factor and sleek design make it ideal for patient entertainment, virtual health, patient monitoring, respiratory and medication dispensing devices, and laboratories.

With a full line of touch technologies and display solutions, Elo can customize products for almost any medical device including ventilators, anesthesia machines, patient monitors and medication dispensers. From patient rooms to laboratories and anywhere healthcare is provided, Elo products are well-suited for medical applications where consistent and long-lasting quality and touch performance are critical.

**Other sizes - 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**

**Universal VESA mount to support stand,  
wall, pole and arm  
mounts**

## 1502LM 15-inch Medical Grade Touchscreen Monitor

Specifications	
Color	Black or White
Diagonal Size	15.6" / 419.1 mm
Active Touch Area	13.55" x 7.62" / 344.16 mm x 193.5 mm
LCD Technology	Active matrix TFT LCD
Touch Technology	TouchPro® PCAP
Number of Touches	10 Touches
Aspect Ratio	16:9
Native Resolution	1920 x 1080
Preset Video Timings	640 x 480 60Hz, 640 x 400 70Hz, 720 x 400 70Hz, 800 x 600 56, 60Hz, 1024 x 768 60Hz, 1280 x 720 50, 60Hz, 1280 x 800 at 60Hz, 60HzRB, 1280 x 960 60Hz, 1280 x 1024 60Hz, 1366 x 768 60Hz, 1366 x 768 60Hz, 60Hz RB, 1440 x 900 60Hz, 60Hz RB, 1680 x 1050 60Hz, 60Hz RB, 1920 x 1080 50, 60Hz
Number of Colors	16.7M
Brightness (typical)	Panel: 250 nits; With TouchPro PCAP: 225 nits
Response Time (Tr + Tf) (typical)	30 msec
Viewing Angle (typical)	Horizontal: ±80° / 160° total; Vertical: ±80° / 160° total
Contrast Ratio (typical)	700:1
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, Aspect Ratio, Sharpness, Color Temperature, OSD Timeout, OSD Language, Volume, Mute, Recall Defaults, Audio Select, Video Priority, Information, Touch on Sleep Mode, Peripheral Port Languages: English, French, Italian, German, Spanish, Simplified Chinese, Traditional Chinese, Japanese Lockouts: OSD, Power
I/O Ports	USB Type-C, Audio jack (Line-in), VGA (Micro-HDMI female connector), HDMI, 12V D/C input, 3 x Micro-USB ports (Top, Left, Right)
Video	Analog VGA, HDMI, USB Type-C (Suggest using Elo USB Type-C to Type-C (P/N: E710364) cable to prevent any compatibility issues) Input Video Horizontal Sync frequency range: 31.5 - 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 (2.0mm (+0.0 -0.1mm) pin outer diameter, 6.4mm (+/- 0.3mm) barrel inner diameter, 8.8mm (+/- 0.3mm) Barrel depth); Monitor input voltage range: 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); Adapter input voltage range: 100-240 VAC; Input frequency: 50-60 Hz; Power Consumption (Typical): ON (monitor + adapter): 9.5W; SLEEP (monitor + adapter): 1.27W; OFF (monitor + adapter): 0.2W
Dimensions (H x W x D)	With Stand: 11.21" x 15.23" x 7.84" / 284.65 mm x 386.96 mm x 199.12 mm; Without Stand: 9.62" x 15.23" x 1.28" / 244.39 mm x 386.96 mm x 32.4 mm
Shipping Dimensions (H x W x D)	With Stand: 8.03" x 17.76" x 13.54" / 204 mm x 451 mm x 344 mm Without Stand: 6.89" x 17.76" x 12.60" / 175 mm x 451 mm x 320 mm
Weight	Unpackaged - With Stand: 6.79 lbs / 3.08 kg; Without Stand: 3.62 lbs / 1.64 kg Packaged - With Stand: 11.24 lbs / 5.1 kg; Without Stand: 7.47 lbs / 3.39 kg
Mounting Options	VESA 4-hole 75mm and 100mm mounting interface on rear of unit
Temperature	Operating: 0° C to 40° C / 32° F to 104° F / Storage: -20° C to 60° C / -4° F to 140° F
Humidity (non-condensing)	Operating: 20% - 80% / Storage: 10% - 95%
Regulatory approvals and declarations	Canada cUL, IC; Europe CE; United Kingdom UKCA; Japan VCCI; United States UL, FCC; China CCC; Korea, KCC, e-standby; Australia RCM; Mexico NOM; Taiwan BSMI; International CB; RoHS, China RoHS, WEEE, REACH; India BIS; Russia EAC
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
Ingress Protection	IP22 entire enclosure
Impact Protection	IK07
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, HDMI cable, Power brick (E128201), 2x cable clamps, 2x tie wraps, EEI Label, USB Cable (USB Type-A to Type-C), NA Power cable, EU Power cable, 3x screws (M3x8mm) for cable clamps, 2x screws (M3x10mm) for cable doors, 1 x DICOM calibration sheet

**Medical and Healthcare Application Disclaimer:** It is the sole responsibility of any person intending to commercialize, market or use any of Elo Touch Solutions, Inc. or its family of companies ("Elo") products for medical or healthcare applications to ensure that such product is adequate and appropriate for the person's intended use and complies with all applicable laws, regulations, codes and standards including but not limited to the European Union Medical Device Directive, United States Federal Food, Drug, and Cosmetic Act, regulations of the United States Food and Drug Administration (FDA), and other similar legislation in jurisdictions around the world, and for obtaining and maintaining any required regulatory approvals including but not limited to any required market clearances. Elo has not sought nor received any rulings from the FDA or any other federal, state, or local government agency or notified body as to the safety, effectiveness or appropriateness of its product for such applications. Persons intending to evaluate or use Elo's product(s) for medical or healthcare purposes must rely on their own medical and legal judgment without any representation on the part of Elo.

## Ordering Information

Part Number	Technology	Surface Treatment	Touch Interface	Color	Stand
E542617	TouchPro PCAP	Anti-glare	USB	Black	With Stand
E542808	TouchPro PCAP	Anti-glare	USB	White	With Stand
E967064	TouchPro PCAP	Anti-glare	USB	Black	Without Stand
E967255	TouchPro PCAP	Anti-glare	USB	White	Without Stand