

19" LCD Medical Desktop Touchmonitor

Cost-effective LCD touchmonitor for patient monitoring and critical care



1928L 19" LCD Medical Desktop touchmonitor delivers cost-effective solutions for critical care and patient-centric professionals in the medical and healthcare markets. This compact touchmonitor is "designed for touch" from the ground up, with Elo's proven expertise and reliability built in, and not added as an afterthought by altering an existing monitor.

The 1928L 19" LCD Medical Desktop touchmonitor is available with the optimal optical performance of Elo's IntelliTouch surface wave or AccuTouch five-wire resistive touch technology, plus serial and USB touch interfaces. The innovative IPX1 enclosure design ensures that the entire touchmonitor sheds water and is safe from liquid drops and spills, which means the 1928L can be safely placed in patient care areas, such as the operating room, where contamination may occur. The touchscreen can be activated with a finger, gloved hand or soft stylus, a critical capability for medical applications. Simplified worldwide approvals cover the entire monitor that is designed, built, serviced, and supported by Elo, a true single source supplier.

Applications

- Critical care
- Nurse station
- Patient monitoring
- Digital radiography
- Paperless charting
- Computer-aided therapy
- Electronic medical records
- Patient self check-in and registration
- Dental imaging

Benefits

- Developed to meet the needs of patient-centric and critical care professionals
- Best in class optical performance
- IPX1 enclosure design ensure touchmonitor sheds water and is safe from liquid drops
- Touchscreen can be activated with gloved hand or stylus
- Elo quality at a competitive price point
- "Designed for touch" from the ground up: stable tilt base; controls on side rather than front; lockout function for public use
- Designed, built, serviced, and supported by Elo
- Space-saving, economical, flexible, and reliable
- Available with Elo's IntelliTouch or AccuTouch touch technology
- Functions as desktop or wall-mountable; VESA mount option
- Serial and USB connectivity
- Simplified worldwide agency approvals
- Three-year standard warranty in the U.S.
- Innovative 5-second power down delay function, prevents inadvertent power shut down

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19" LCD Medical Touchmonitor Specifications

Model	1928L
Case/bezel color	Dark gray/beige
Display	Size: 19.0" diagonal; type: active matrix TFT LCD; aspect ratio: 5 x 4
Useful screen area	
Horizontal/vertical	14.82" (376.32 mm)/11.85" (301.06 mm)
Monitor dimensions	Width: 16.9" (429 mm) Height (including base): 15.21" (386 mm) Depth (including base): 8.15" (207 mm)
Dimensional drawing number	MS600480
Optimal (native) resolution	1280 x 1024 at 60, 70 or 75 Hz
Other supported resolutions	1280 x 960 at 60 Hz; 1280 x 1024 at 60 or 75 Hz; 1152 x 864 at 75 Hz; 1024 x 768 at 60, 65, 70 or 75 Hz; 832 x 624 at 75 Hz (Mac); 800 x 600 at 56, 60, 72 or 75 Hz; 720 x 400 at 70 Hz; 720 x 350 at 70 Hz; 640 x 480 at 60, 66, 72 or 75 Hz
Colors	16.7 million
Brightness (typical)	
LCD panel	300 cd/m ²
LCD panel with touchscreen	AccuTouch: 246 cd/m ² ; IntelliTouch 276 cd/m ²
Response time (typical)	20 msec (typical)
Viewing angle (from center)	
Horizontal (left/right)	±89°/89° total
Vertical (up/down)	±89°/89° total
Contrast ratio	1300:1
Input video format	Analog (no proprietary video card needed)
Input sync format	Separate H & V sync, composite sync, sync-on-green
Input video signal connector	Mini D-Sub 15-Pin VGA type
Input frequency	
Horizontal/vertical	31.5–80 kHz/56.3–75 Hz
Power supply	Type: DC input internal power supply; DC input (line) voltage: 12 V ± .60 V
Power dissipation	48 W (max.)
Temperature	
Operating/storage	0°C to 40°C/-20°C to 60°C
Humidity (noncondensing)	
Operating/storage	20% to 80%/10% to 90%
Weight (approx.)	
Actual/shipping	17.66 lbs (8 kg)/26.10 lbs (11.84 kg)
Warranty	Touchmonitor: 3 years in U.S. Backlight lamp life: 40,000 hours at half brightness MTBF: 50,000 hours demonstrated
Agency approvals	UL/cUL (UL 60601-1-2:2003), FCC, CE, VCCI, C-Tick, IPX1, CB, Argentina S-mark, Demko, Medical Directive EN 60601-1-2:2001, CISPR 11:2003+A1:2004 Class B, IEC 60529:1989+A1:1999
On-screen display (OSD)	Digital OSD
User's controls	OSD buttons: menu, up, down, select, power; OSD: contrast, brightness, H/V position, RGB (color temp), clock, phase, recall, volume, OSD exit, sharpness, OSD H/V position, OSD time, auto adjust, input select, OSD language (English, French, German, Italian, Japanese, Chinese, Polish, and Spanish); OSD disable/enable: power, OSD menu
Mounting options	Removable base; 100 mm VESA mount; threaded-through mounting holes, under base
Other features	Security lock receptacle