# 1229L 12" LCD Multifunction Touchmonitor

**The 1229L 12" LCD multifunction touchmonitor** is a continuation of Elo's commitment to increased value in new products. Elo has taken its industry leading monitor design, which is unbeatable in performance, reliability, and durability, and accessorized it. The new 1229L includes options for an magnetic stripe reader (MSR), a rear-facing customer display, and a biometric fingerprint recognition device. These options are integrated ergonomically into the housing and designed to flow with the elegant styling of the monitor. The three-track magnetic stripe reader is the perfect choice for applications that require the use of loyalty cards, ID cards and credit-card transactions. The rear-facing display gives the customer immediate visual confirmation of the transaction. And the biometric fingerprint-recognition device provides unparalleled security for employee log-in and all types of system access.

Elo's design has reduced the number of power and communication cables and power bricks by incorporating the connectivity inside the monitor. The 1229L allows for a quick and easy installation while providing full functionality in a space-saving design. The 1229L is available with a choice of Elo touch technologies: IntelliTouch surface-wave, CarrollTouch infrared and AccuTouch five-wire resistive. Touch input can be activated by the broadest range of styli, including finger, fingernail, gloved hand, and credit card; there is no stylus material limitation. The 1229L touchmonitor is fully configurable for a variety of applications in the retail, hospitality, medical, and gaming markets, where its compact design efficiently saves valuable work space.

## Applications

- Retail
- Hospitality
- Medical
- Gaming

## Benefits

- Integrated peripherals in a compact design
- Easy and efficient installation - reduced cables and power bricks
- Choice of Elo touch technologies for exceptional display quality
- Broadest range of input options - works with any stylus

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elo TOUCHSYSTEMS

# 1229L 12" LCD Multifunction Touchmonitor Specifications

## TOUCHMONITOR

| | |
|---|---|
| Case/bezel color | Dark gray |
| Useful screen area | Horizontal 9.69" (246 mm); Vertical 7.27" (184.5 mm) |
| Monitor dimensions | Width 13.9" (353 mm); Height 11.6" (295 mm); Depth 11.8" (300 mm) |
| Dimensional drawing number | MS500407 (available at www.elotouch.com) |
| Optimal (native) resolution | 800 x 600 |
| Other supported resolutions | 800 x 600 at 56, 60, 72, 75 Hz; 720 x 400 at 70 Hz; 640 x 480 at 60, 72, 75 Hz; 640 x 480 at 66 Hz (Mac) |
| Colors | 16.2 million colors with dithering (6 bit) |
| Brightness | LCD panel 300 cd/$m^2$ |
| LCD panel with touchscreen | AccuTouch: 246 cd/$m^2$; IntelliTouch 276 cd/$m^2$; CarrollTouch 276 cd/$m^2$; surface capacitive 252 cd/$m^2$ |
| Response time | 40 msec (typical) |
| Viewing angle (from center) | Horizontal (left/right) ±60° or 120° total<br>Vertical (up/down) 50°/40° or 90° total |
| Contrast ratio | 300:1 |
| Input video format | RGB Analog |
| Input video signal connector | Mini D-Sub 15-Pin VGA type |
| Input frequency | Horizontal 31.5–50 kHz; Vertical 56.3–85 Hz |
| Power supply | External brick; 100–240 VAC, 50–60 Hz; 12 volts at 4.0 A max. |
| Temperature | Operating 0°C to 40°C; Storage –20°C to 60°C |
| Humidity | Operating 20% to 80%; Storage 5% to 95%; noncondensing |
| Weight (approx.) | Actual: 11.9 lb (5.4 kg); Shipping: 19.8 lb (9 kg) |
| Backlight lamp life | Minimum 50,000 hours to half brightness |
| Warranty monitor | 3 years |
| Warranty touch technology | AccuTouch: 5 years; IntelliTouch: 10 years; CarrollTouch: 5 years |
| Touch interface | USB or Serial |
| Agency approvals | UL/cUL (*recognized component), FCC, TÜV-GS, CE, VCCI, C-Tick |
| Speakers | Two watt/channel speakers located in display head |
| On-screen display (OSD) | OSD lockouts for power and user controls |
| User's controls | OSD control menu: Auto/Sel, up, down, menu; OSD controls: contrast, brightness, V-position, H-position, recall defaults RCG, volume, YUV, phase, clock, OSD H-position, OSD V-position, OSD Time, auto adjust, OSD language (English, French, German, Spanish, Japanese), resolution; OSD disable/enable: power, OSD menu |
| Mounting options | 75 mm VESA mount; removable base; optional stability plate |
| Other features | Energy save mode (less than 2 watts); 2 stage DPMS; VESA DDC Plug & Play; Security lock receptacle |

## MAGNETIC STRIPE READER

| | |
|---|---|
| Tracks | 3 |
| Message format | ASCII |
| Card speed | 3 to 50 inch/sec (7.6 to 127 cm/sec) |
| Interface (available in 3 versions) | USB with human interface driver (HID) class specification 1.1<br>USB with keyboard emulation<br>Serial, which supports OPOS (OPOS standard is only supported in serial) |

## CUSTOMER DISPLAY

| | |
|---|---|
| Type | Vacuum Fluorescent Display (VFD), 2 rows, 20 characters/row |
| Characters | 5 x 7 dot matrix configuration, 9.5 mm height, 6.2 mm width |
| Format/Color | ASCII, blue-green |
| Interface | USB or Serial |

## FINGERPRINT READER

| | |
|---|---|
| Type | Optical |
| Verifying time | <1 sec |
| Sensing prism hardness | 7 Mohs |
| Resolution | 356 x 292 pixels |
| Image speed | Capture: 600 ms/frame; Transfer: 500 bytes/ms |
| Image capture error rate | <0.1% |
| Interface | USB |

Find out more about Elo's extensive range of touch solutions. Go to www.elotouch.com, or simply call the office nearest you.


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