



1229L Multifunction 12" LCD Desktop Touchmonitor (3000 Series)

The 1229L multifunction touchmonitor may be ordered with up to three integrated peripherals, including an ergonomically-placed magnetic stripe reader (MSR), biometric fingerprint recognition device, and a rear-facing customer display. All are incorporated into the monitor housing and designed to flow with its elegant styling. Available with a choice of touch technologies, the 1229L is fully configurable for a variety of applications in the retail, hospitality, medical, gaming, and amusement markets where its compact design efficiently saves valuable work space as well as minimizing connections.

Features

- Higher brightness, better contrast, and wider viewing angle than most 12" LCDs
- "Designed for touch" features such as a stable tilt base
- Available with [AccuTouch Five-Wire Resistive Technology](#) (activated with fingernails, gloves, credit cards, or any stylus) or, for the ultimate in optics, [IntelliTouch Surface-Wave Technology](#), [Surface Capacitive Technology](#) or [CarrollTouch Infrared Technology](#)
- [Optional ergonomic 3 stripe MSR](#) available in three versions: USB with keyboard emulation; USB with human interface driver (HID) class specification 1.1; and serial, which supports OPOS. OPOS is only supported in serial version
- Optional rear-facing customer display
- Optional biometric fingerprint recognition device
- Integrated USB hub with two available USB connections. Also allows a single USB cable to carry the touch signal, MSR and fingerprint data, and output to the customer display. The serial version has cables/external connectors to carry the touch and MSR data.
- Single power supply for all optional devices
- Cables hidden from user's view
- Built-in speakers located in display head
- Multilingual on-screen display (OSD) with extras including speaker volume, treble, bass, and balance
- Mounting holes on base bottom for tabletop security
- Base removable, [VESA mounting](#) option
- Controls on the side rather than the front, plus lockout function for public use
- Sealed touchscreen; CarrollTouch version features a seamless watertight seal due to its unique co-molded construction
- Diagnostic LEDs for touch and video
- Long-lasting product cycle
- Worldwide agency approvals

Specifications

Model	1229L
Series	3000
Availability	Worldwide
Case/bezel color	Dark gray
Display	Size: 12.1" diagonal Type: Active matrix TFT LCD Aspect ratio: 4 x 3
Useful screen area	Horizontal: 9.69" (246 mm) Vertical: 7.27" (184.5 mm)
Monitor dimensions	Width: 13.9" (353 mm) Height (inc. base): 11.6" (295 mm) Depth (inc. base): 11.8" (300 mm)

	Dimensions vary with stand position and options selected
Optimal (native) resolution	800 x 600
Other supported resolutions	800 x 600 at 56, 60, 72 or 75 Hz 720 x 400 at 70 Hz 640 x 480 at 60, 66 Hz (Mac), 72 or 75 Hz
Colors	16.2 million with dithering (6 bit)
Brightness LCD panel	300 cd/m ² (typical)
Brightness LCD panel with touchscreen	AccuTouch: 246 cd/m ² (typical) CarrollTouch: 276 cd/m ² (typical) IntelliTouch: 276 cd/m ² (typical) Surface capacitive : 252 cd/m ² (typical)
Response time	40 msec (typical)
Viewing angle (typical, from center)	Horizontal (left/right): ±60° or 120° total 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	Type: External brick Input (line) voltage: 100-240 VAC, 50-60 Hz Output voltage/current: 12 VDC at 4.0 amps max.
Temperature	Operating: 0°C to 40°C Storage: -20°C to 60°C
Humidity	Operating: 20-80% Storage: 5-95% noncondensing
Weight (approx., with all options)	Actual: 11.9 lb (5.4 kg) Shipping: 19.8 lb (9 kg) Shipping box dimensions
Warranty	Monitor: 3 years Backlight lamp life: min 50,000 hours to half brightness MTBF: 50,000 hours demonstrated
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: menu, up, down, select, power OSD controls: contrast, brightness, V-position, H-position, recall defaults RGB, 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 and Play
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Optional Peripherals

Rear-Facing Customer Display (2x20 VFD)

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, pixel addressable
Format/color	ASCII/blue-green

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%

Magnetic Stripe Reader

Tracks	3
Message format	ASCII
Card speed	3 to 50 inch/sec (7.6 to 127 cm/sec)

Documentation and Support

- Dimensional drawing: [MS500407 Rev D](#) (387K PDF)
- [Drivers](#)
- [Platform support](#)
- User Guide:
 - [German](#) (2.4 MB PDF)
 - [Spanish](#) (Latin America) (812K PDF)
- [Customer specifications](#) (329K PDF)
- [Agency approval certificates](#) (299K PDF)
- [Product data sheet](#) (109K PDF)
- [WEEE report](#) (100K PDF)

Part Numbers

All monitors have antiglare surface treatment.

No Peripherals

Touch Technology	Touch Interface	Peripherals	Part #
AccuTouch	Serial	None	D13071-000

AccuTouch	Dual serial/USB	None	839902-000
CarrollTouch	Serial	None	C45157-000
CarrollTouch	Dual serial/USB	None	F94006-000
IntelliTouch	Serial	None	C36453-000
IntelliTouch	Dual serial/USB	None	D16736-000
Surface capacitive	Dual serial/USB	None	E118276*

*RoHS compliant

Rear-Facing Customer Display (2x20 VFD)

Touch Technology	Touch Interface	Peripherals	Part #
AccuTouch	Serial	Customer VFD	A71780-000
AccuTouch	USB	Customer VFD	968708-000
CarrollTouch	Serial	Customer VFD	F17138-000
CarrollTouch	USB	Customer VFD	A67871-000
IntelliTouch	Serial	Customer VFD	A05407-000
IntelliTouch	USB	Customer VFD	A54312-000

Magnetic Stripe Reader (MSR)

Touch Technology	Touch Interface	Peripherals	Part #
AccuTouch	Serial	MSR (serial)	F14202-000
AccuTouch	USB	MSR (HID)	D76652-000
AccuTouch	USB	MSR (keyboard)	E57717-000
CarrollTouch	Serial	MSR (serial)	169924-000
CarrollTouch	USB	MSR (HID)	F60732-000
CarrollTouch	USB	MSR (keyboard)	D46144-000
IntelliTouch	Serial	MSR (serial)	C41626-000
IntelliTouch	USB	MSR (HID)	D60942-000
IntelliTouch	USB	MSR (keyboard)	839534-000
Surface capacitive	USB	MSR (HID)	E826528*

*RoHS compliant

Fingerprint Reader

Touch Technology	Touch Interface	Peripherals	Part #
AccuTouch	USB	Fingerprint reader	C91253-000
CarrollTouch	USB	Fingerprint reader	E27226-000
IntelliTouch	USB	Fingerprint reader	D94157-000

Rear-Facing Customer Display (2x20 VFD), Magnetic Stripe Reader (MSR)

Touch Technology	Touch Interface	Peripherals	Part #
CarrollTouch	Serial	Customer VFD, MSR (serial)	A81726-000
CarrollTouch	USB	Customer VFD, MSR (HID)	D96783-000
CarrollTouch	USB	Customer VFD, MSR (keyboard)	E53652-000
IntelliTouch	Serial	Customer VFD, MSR (serial)	A87892-000
IntelliTouch	USB	Customer VFD, MSR (HID)	519694-000
IntelliTouch	USB	Customer VFD, MSR (keyboard)	D03080-000

Fingerprint Reader, Rear-Facing Customer Display (2x20 VFD)

Touch Technology	Touch Interface	Peripherals	Part #
AccuTouch	USB	Fingerprint reader, Customer VFD	D45619-000

Fingerprint Reader, Rear-Facing Customer Display (2x20 VFD), Magnetic Stripe Reader (MSR)

Touch Technology	Touch Interface	Peripherals	Part #
CarrollTouch	USB	Fingerprint reader, Customer VFD, MSR (HID)	D04863-000
CarrollTouch	USB	Fingerprint reader, Customer VFD, MSR (keyboard)	A57854-000
IntelliTouch	USB	Fingerprint reader, Customer VFD, MSR (HID)	479056-000
IntelliTouch	USB	Fingerprint reader, Customer VFD, MSR (keyboard)	888874-000

Pricing

For pricing information, please:

- [shop online](#) (U.S. delivery only)
- contact an [Elo office](#)
- request a [quotation](#)
- contact an [authorized Elo distributor](#) (resellers/OEMs only)

Accessories

Power Cable: A North American power cable and a European power cable are included. For touchmonitors being shipped to the United Kingdom, add a UK power cable at no cost by specifying part number 276875-000.

Replacement Power Supply Brick: Part number A50704-000. Available at additional cost.

Stability Plate: Mounts to the pedestal of the monitor to increase stability. Part number C41696-000. Available at additional cost. Drawing: [MS500439 Rev A](#) (309K PDF).

Touch/Video/Accessory Cables: All appropriate cables are included and are detachable. Serial versions include an RJ45 to DB9 serial conversion cable-drawing [MS500454 Rev A](#) (128 K PDF).

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