

Surface Capacitive

Excellent General Purpose Technology

BENEFITS:

- Elo patented narrow Z-border for greater linearity
- Fast, sensitive touch response with excellent dragging performance
- Compatible with industry standard protocols including Elo's SmartSet protocol



Elo's Surface Capacitive touchscreens provide a solution for customers who want an alternative to their capacitive options available today.

Elo has utilized its 30 years of design knowledge and applied it to a completely new capacitive touchscreen product line. Elo's narrow, patented Z-borders yield an inherently linear sensor. The transparent protective coating makes the sensor resistant to scratches and abrasions. Touch performance is unaffected by everyday abuse and mishaps such as dirt, dust, condensation, liquid spills, contaminants or cleaning solutions. Yet the surface capacitive touchscreens respond quickly and easily with excellent dragging performance. And the Elo-designed controller responds to quick, light touches, and operates drift-free even in areas of poor grounding.

Elo's capacitive touchscreens deliver the quality touch response you would expect from Elo.

APPLICATIONS:

- Point-of-Sale terminals (POS)
- Gaming/Amusement



Z-border pattern for enhanced linearity

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MECHANICAL		
Input method		Finger
Available Sizes		12" to 19" flat, standard and custom sizes; Visit our Web site for full specifications and offerings
Glass Thickness		0.118" / 3.0 mm nominal. (Glass only, not including tape, wires and/or solder if used)
ELECTRICAL		
Positional Accuracy		Reported touch coordinates are within 1.0% of true position (based on viewing area dimensions)
Resolution		Touchpoint density is based on controller resolution of 4096 x 4096
Controller		Controller board size of 2.1" x 3.3" (5.4 x 8.4 cm), with auto-detect function for Serial (RS232) and USB 1.1 connection (Using Elo SmartSet drivers)
OPTICAL		
Light Transmission		Up to 85% per ASTM D1003
ENVIRONMENTAL		
Temperature	Touchscreen	Operating: -15°C to 70°C Storage: -50°C to 85°C
	Controller	Operating: 0°C to 65°C Storage: -25°C to 85°C
Relative Humidity		Operating/Storage: 10% to 90% RH, noncondensing
Chemical Resistance		Water, ammonia, isopropyl alcohol, and similar non-abrasive cleaners
Agency Approvals		UL, cUL, TÜV, CE, FCC Class A & B, CISPR B
Sealability		Can be sealed to meet NEMA 4 and 12 and IP 65 standards
DURABILITY		
Surface Durability		Anti-glare hardcoat cannot be scratched using any stylus with Mohs rating equal to or less than 6. Tested in the laboratory to withstand over 160 million (mechanically simulated) touches without noticeable degradation.
Warranty	Touchscreen	5-year limited warranty
	Controller	5-year limited warranty

**Always store the touch screen sensor and controller in its original shipping container. Never store them in an environment where condensation may form.*



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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