



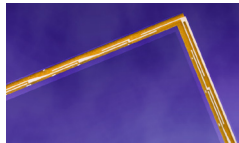
Surface Capacitive

Excellent General Purpose Technology

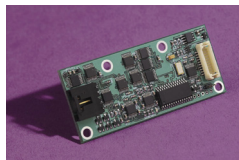
Elo's Surface Capacitive touchscreens are a reliable resource for the capacitive options currently available—and from a world-class manufacturer. They are ideal for use in gaming and casino applications, especially bar-top and slot machine installations.

Elo has utilized over 35 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. Elo's capacitive touchscreens deliver the quality touch response you would expect from Elo.

Z-border electrode pattern for enhanced linearity



Controller



Benefits

- Elo patented narrow Z-border electrode pattern for greater linearity, no screen-specific linearization data needed
- Rear back shield for reliable operation
- Fast, sensitive touch response with excellent dragging performance
- Compatible with industry standard protocols including Elo's
- SmartSet protocol

Applications

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

About Elo

Elo founders pioneered the touch screen over 40 years ago. Today, Elo Touch Solutions is a leading global supplier of touch-enabled technology, products and industry solutions. The Elo portfolio encompasses the broadest selection of OEM touchscreen components, touchmonitors, and all-in-one touchcomputers for the demanding requirements of diverse markets, including gaming machines, hospitality systems, industrial automation, interactive kiosks, healthcare, office equipment, point of sale terminals, retail displays, and transportation applications. The Elo touch experience has consistently stood for quality, reliability and innovation with over 20 million installations worldwide.

Surface Capacitive Specifications

Mechanical	
Input Method	Finger
Available Sizes	12" to 26" flat; Visit our website for full specifications and offerings
Glass Thickness	0.118"/3.0mm nominal. (Glass only, not including tape, wires and/or solder if used)
Electrical	
Positional Accuracy	Reported touch coordinates are within 1.5% of true position (based on viewing area dimensions)
Resolution	Touchpoint density is based on controller resolution of 4096 x 4096
Controller	Board: Serial and USB
Controller	± 8kV contact; ± 27kV DC
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: -40°C to 70°C; Storage: -50°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
Expected Life	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.

To find out more about our extensive range of Elo touch solutions, go to www.elotouch.com, or call the office nearest you.

North America

Elo Touch Solutions
1033 McCarthy Boulevard
Milpitas, CA 95035

800-ELO-TOUCH

Tel +1 408 597 8000
Fax +1 408 597 8001
customerservice@elotouch.com

Europe

Tel +32 (0)16 70 45 00
Fax +32 (0)16 70 45 49
elosales@elotouch.com

Asia-Pacific

Tel +86 (21) 3329 1385
Fax +86 (21) 3329 1400
www.elotouch.com.cn

Latin America

Tel 786-923-0251
Fax 305-931-0124
www.elotouch.com

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