



# SecureTouch Surface Wave For High-Treat Indoor Environments

**Elo SecureTouch touchscreens** are the preferred touch solution for high-threat environments and indoor applications demanding rugged durability. SecureTouch touchscreens deliver high impact resistance; the durable screen comes in fully tempered, heat or chemically strengthened glass that continues to work even if scratched. With their stable, drift-free operation, the SecureTouch touchscreens are well suited for high usage environments and provides a touch response that is accurate. SecureTouch touchscreens are the ideal touch solution for kiosks in high-threat indoor environments, ticketing machines, interactive pay phones, and gaming machines.

## Benefits

- High impact resistance
- Continues to work even if scratched
- Stable, drift-free operation
- 10-year limited warranty

## Applications

- Kiosks in high-threat environments
- Ticketing machines
- Interactive pay phones
- Gaming machines

# SecureTouch Surface Wave Specifications

## MECHANICAL

Input Method	Finger or gloved hand (cloth, leather, or rubber) activation
Available Sizes	10.4" to 23"; visit our Web site for full specifications and other offerings

## ELECTRICAL

Positional Accuracy	Standard deviation of error is less than 0.080 in. (2 mm)
Resolution	Touchpoint density is based on controller resolution of 4096 x 4096, plus 255 levels corresponding to touch pressure
Touch Activation Force	Typically 2 to 3 ounces (55 to 85 grams)
Controller	Board: Serial (RS232) and USB

## OPTICAL

Light Transmission	Up to 90%
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## ENVIRONMENTAL

Temperature	Operating: -20°C to 50°C Storage: -40°C to 71°C
Relative Humidity	Operating: 40°C at 90% RH, noncondensing
Altitude	Operating: 10,000 ft (3,048 m) Storage/transport: 50,000 ft (15,240 m)
Chemical Resistance	The touch active area of the touchscreen is resistant to chemicals that do not affect glass, such as: acetone, toluene, methyl ethyl ketone, isopropyl alcohol, methyl alcohol, ethyl acetate, ammonia-based glass cleaners, gasoline, kerosene, vinegar
Electrostatic Protection	Per EN 61000-4-2, 1995: Meets Level 4 (15 kV air/8 kV contact discharges)
Agency Approvals	UL, cUL, TÜV, CE, FCC Class A
Sealability	Can be sealed to meet NEMA 3/3R/5/12/12K/13, IP64 standards

## DURABILITY

Surface Durability	Surface durability is that of glass, Mohs' hardness rating of 7
Expected Life	No known wear-out mechanism, as there are no layers, coatings, or moving parts. SecureTouch technology has been operationally tested to more than 50 million touches in one location without failure, using a stylus similar to a finger.
Impact Resistance	Meets UL-60950 and CSA 22.2 No. 60950 ball drop test (0.5 kg, 50 mm diameter ball dropped from height of 1.3 m)
Warranty	Touchscreen: 10-year limited warranty Controller: 5-year limited warranty



2701 dual serial/USB controller

Find out more about the extensive range of Elo touch solutions. Go to [www.elotouch.eu](http://www.elotouch.eu) or simply call the office nearest you.

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