

# IntelliTouch Surface Wave

## For High-Use Indoor Applications

**BENEFITS:**

- Pure glass
- Superior image clarity
- Stable, drift-free operation
- Continues to work even if scratched
- 10-year limited warranty



Elo's [IntelliTouch touchscreens](#), utilizing patented surface wave technology, are the picture-perfect, precision touch solution for high-use indoor applications. With the longest touchscreen warranty available, the IntelliTouch touchscreens are the preferred solution for applications requiring unsurpassed performance, reliability, and clarity. Its durable, pure-glass surface delivers superior image clarity and greater light transmission, and works even if scratched. With its stable, drift-free operation the IntelliTouch touchscreens guarantee a touch response that is on target. The IntelliTouch touchscreens are the ideal solution for kiosks, ticketing machines, gaming machines, light industrial, and office automation.

**APPLICATIONS:**

- Kiosks
- Ticketing machines
- Gaming machines
- Light industrial
- Office automation



2500S serial controller board



2500U USB controller board

## IntelliTouch Surface Wave

MECHANICAL	
Input Method	Finger or gloved hand (cloth, leather, or rubber) activation
Available Sizes	10.4" to 30" (264.2 mm to 1270 mm); 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. This equates to more than 100,000 touchpoints/in. <sup>2</sup> (15,500 touchpoints/cm <sup>2</sup> ) for a typical touchscreen when used with Elo controllers.
Touch Activation Force	Typically 2 to 3 ounces (55 to 85 grams)
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. The IntelliTouch technology has been operationally tested to more than 50 million touches in one location without failure, using a stylus similar to a finger.
Controller	Board: Serial (RS232) and USB 1.1
Light Transmission	90% per ASTM D1003-92
ENVIRONMENTAL	
Temperature	Operating: -20°C to 50°C Storage: -40°C to 71°C
Operating Relative Humidity	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	Meets Level 4 (15 kV air/8 kV contact discharges)
Agency Approvals	UL, TÜV, CE, FCC Class A
Sealability	Can be sealed to meet NEMA 3/3R/5/12/12K/13, IP64
Warranty	10-year limited warranty (touchscreen) 5-year limited warranty (controller)



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

ELO TouchSystems is represented in South Africa by Trading IT, Value Added Distributor & ScreenVision, Value Added Reseller.  
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