



IntelliTouch Surface Acoustic Wave

For High-Use Applications

Elo's IntelliTouch touchscreens, utilizing patented flat profile surface acoustic wave technology, are the picture-perfect, precision touch solution for high-use applications. The new flat profile technology has tiny transducers on the back of the touchscreen glass, eliminating the bumps on the front surface for a flatter integration solution. With the longest touchscreen warranty available, the IntelliTouch touchscreens are the preferred solution for applications requiring unsurpassed performance, reliability, and clarity. Their durable, pure-glass construction delivers the ultimate in image clarity and light transmission, preserves color purity, and works even if scratched. With their 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.

Features

- Available in standard and wide formats, up to 46" diagonal
- Clear and anti-glare surface finishes available
- Custom screen designs available

Benefits

- Pure glass construction delivers the ultimate in image quality
- Stable, drift-free operation
- Continues to work even if scratched
- 10 year limited warranty
- Vandal resistance available (SecureTouch Surface Wave)

Applications

- Self-service kiosks
- Ticketing machines
- Gaming machines
- Light industrial
- Office automation
- Retail POS machines



IntelliTouch Surface Acoustic Wave Specifications

MECHANICAL

Input Method	Finger or gloved hand (cloth, leather, or rubber) activation
Available Sizes*	5.0" to 46"; visit our website for specific product offerings

ELECTRICAL

Positional Accuracy	Standard deviation of error is less than 0.080" (2mm)
Resolution	More than 100,000 touchpoints/in ² (15,500 touchpoints/cm ²) for a 15-inch touchscreen when used with the 2701 series controller
Touch Activation Force	Typically less than 3 ounces (85 grams)
Controller	Board: Serial (RS232) and USB

OPTICAL

Light Transmission	92% or higher per ASTM D1003
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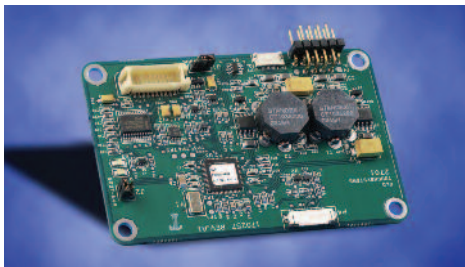
ENVIRONMENTAL

Temperature	Operating: -20°C to 50°C Storage: -40°C to 71°C
Relative Humidity	Operating: 40°C at 90% RH, noncondensing Storage: Noncondensing environment
Altitude	Operating: 10,000 ft. (3,048m) Storage/transport: 50,000 ft. (15,240m)
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 (15kV air/8kV 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

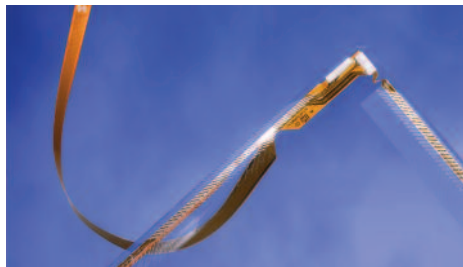
DURABILITY

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. IntelliTouch technology has been operationally tested to more than 50 million touches in one location without failure, using a stylus similar to a finger.
Warranty	Touchscreen: 10 year limited warranty Controller: 5 year limited warranty

* Available in most standard sizes. For some sizes, transducers are located on a beveled edge or the front of the glass. See the touchscreen component drawing for details.



2701 dual serial/USB controller



Flat profile cable

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

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