



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.

2701 dual serial/USB controller



Flat profile cable



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

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.

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
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.

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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