



IntelliTouch Plus Surface Acoustic Wave

For Dual Touch Applications

Elo's IntelliTouch Plus touchscreens, are the picture perfect, precision touch solution for high-use applications requiring dual touch capability. The IntelliTouch Plus touch solution is based upon proven surface acoustic wave technology with over 20 years of reliable performance and millions of installations around the world. Three axes of touch information are used to precisely discern two simultaneous touch locations anywhere on the screen, thereby overcoming many of the drawbacks of other multi-touch technologies. Meeting test criteria for Windows 7 Additional Qualification (AQ) compliance, IntelliTouch Plus technology enables Windows 7 users to interact with their

computing system with Windows 7 multi-touch gesture recognition.

Applications

- Desktop touchcomputers, All-in-One (AiO) and Touchmonitors
- Point-of-information kiosks
- Vending and ticket sales
- Gaming, lottery, and amusement
- Multimedia marketing
- Banking and financial transactions
- Industrial control rooms

Features

- Patented IntelliTouch Plus touch technology
- Available in standard and wide formats—7" to 32" diagonal
- Clear and anti-glare surface finishes available
- Custom screen designs available

Benefits

- Fast, accurate dual-touch response
- Reliable surface acoustic wave touch technology
- Pure-glass construction for excellent image clarity, resolution, and light transmission
- Durable, scratch-resistant glass continues to work even if scratched
- Stable drift-free operation
- Finger, gloved hand, and soft stylus activation

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 Plus Surface Acoustic Wave Specifications

Mechanical	
Input Method	Finger or gloved hand (cloth, leather, or rubber) activation
Available Sizes*	7" to 32" diagonal; visit our website for full specifications and other product offerings
Electrical	
Positional Accuracy	Less than ± 2.5 mm when touchscreen and controller are calibrated to display image
Resolution	6.19 points per mm typical
Minimum Separation between Touches	25mm
Touch Activation Force	2 to 3 ounces (55 to 85 grams) typical
Optical	
Light Transmission	Up to 92% per ASTM D1003
Anti-Glare Surface Gloss	95 \pm 15 or 65 \pm 15 gloss units when measured per ASTM D2457 using a 60-degree gloss meter
Environmental	
Temperature	Operating: 0°C to 50°C Storage: -20°C to 71°C
Relative Humidity Altitude	Operating: 40°C at 90% RH, noncondensing Operating: 10,000 ft (3,048m)
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 6.5
Expected Life	No known wear-out mechanism, as there are no layers, coatings, or moving parts. IntelliTouch Plus technology has been operationally tested to more than 50 million touches in one location without failure, using a stylus similar to a finger.
Warranty	3-year limited warranty
Compatibility	
Warranty	2-year limited warranty
Software Drivers	Software drivers available for all common operating systems at www.elotouch.com/support/downloads . Windows 7 driver supports single-touch and dual-touch gesture recognition.

*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.

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