



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.

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

Applications

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

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	25 mm
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	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 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

Controller	Compatible with 2510 (Serial) and 2515 (USB) dual-touch controller
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.

North America

Elo TouchSystems
301 Constitution Drive
Menlo Park, CA 94025-1110

800-ELO-TOUCH

Tel 1-650-361-4800

Fax 1-650-361-4722

eloinfo@elotouch.com

Europe

Tel +32 (0)16 35 21 00

Fax +32 (0)16 35 21 01

elosales@elotouch.com

Asia-Pacific

Tel +81 (45) 478-2161

Fax +81 (45) 478-2180

www.tps.co.jp

Latin America

Tel 786-923-0251

Fax 305-931-0124

www.elotouch.com.ar



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