

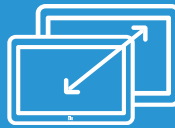


IntelliTouch[®] Surface Acoustic Wave

Powered by **eSAW[™]**



**Industry-Leading Touch
Sensitivity**



**4" to 55"
(Standard & Wide Format)**

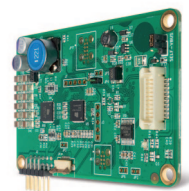


**Chemical Resistance &
EMI/EDS Immunity**

Product Overview

Elo first introduced Surface Acoustic Wave (SAW) touch technology in 1987. SAW touchscreen technology delivers superior image clarity, reliability, chemical resistance and EMI/EDS immunity. Now Elo has revolutionized SAW technology with eSAW. eSAW, built into Elo's latest 3200-series advanced signal controller designed especially for IntelliTouch touchscreens, offers industry-leading extreme touch sensitivity of 4x lighter than its predecessor. Elo's sensitive touch response recognizes location and amount of pressure applied. IntelliTouch can scale across a wide range of screen sizes, without performance degradation. The stable, drift-free operation of SAW touchscreen technology provides an accurate touch response measured on three axes using a finger, gloved hand, or passive stylus.

The graphics quality and colors of HD resolution software applications are preserved based on the optical clarity of SAW clear glass touch technology, making IntelliTouch ideal for high definition, eye-popping displays - like those seen in gaming. Customization capabilities include logos, clear icons, border buttons, and other enhancements can be added during the design cycle.



Controller

**3200 Series Controller
(single & dual touch)**

IntelliTouch with eSAW Surface Acoustic Wave Touch Specifications

Mechanical	
Input Method	Finger or gloved hand (cloth, leather, or rubber) activation, or soft stylus
Size Range*	Flat Screen: 4" to 55"

Electrical	
Positional Accuracy	Standard deviation of error is not greater than 2.5mm and typically much less with calibration to display image
Resolution	6.19 points per mm typical (AID sampling capability is extended by pattern recognition software)
Touch Activation Force	Under 1 ounce (15 grams) typical
Controller	USB, Combo (USB/RS232)

Optical	
Light Transmission	92% ± 2%
Anti-Glare Surface Glass	95±15 or 65±15 gloss unit when measured per ASTM D2457 using a 60-degree gloss meter anti-glare can be deposited or etched

Environmental	
Temperature	Operating : 32°F to 122°F (0°C to 50°C); Storage : -40°F to 160°F (-40°C to 71°C)
Relative Humidity	Operating: 40°C at 90% RH, noncondensing
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 kVair/8kV contact discharges)
Agency Approvals	UL cUL, TUV, CE, FCC Class A, RoHS compliant
Sealability	IntelliTouch Zero-Bezel touchscreen has been successfully integrated by integrators to meet NEMA 3/3R/5/1 2/1 2K/1 3, IPX1 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 technology has been operationally tested to more than 50 million touches in one loaction without failure, using a stylus similar to a finger.

Warranty	
IntelliTouch: 5-year limited warranty	
IntelliTouch Zero Bezel: 3-year limited warranty	

Benefits
Completely flat touchscreen offers sleek, refined appearance
No bezel required for easy integration into touchmonitors, touch computers or other devices
Fast accurate, and stable touch performance
Tested to more than 50 million touches in one location without failure

Applications
Desktop touchmonitors and all-in-one touchcomputers
Public environments such as hotel lobbies, office buildings, auto dealerships, bank branches, gaming casinos, healthcare waiting rooms, retail stores and train stations
Point-of-information kiosks
Vending and ticket sales
Gaming, lottery, and amusement
Interactive Digital Signage
Banking and financial transactions
Industrial control rooms

* Available in standard or to be made upon custom requests with in technology capability size offering.
Please email Customer Service at customerservice@elotouch.com or contact your local office.

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IntelliTouch® CURVE





IntelliTouch® Curve Touchscreen Solution

The Elo IntelliTouch® Curve touchscreen solution delivers full HD resolution and clear glass optical clarity using professional-grade components built for continuous use in public environments. The Elo curved touchscreen solution features patented IntelliTouch® and IntelliTouch® Zero-Bezel surface acoustic wave (SAW) touch technology. The pure-glass construction and SAW touch technology delivers superior image clarity, resolution and light transmission ideal for HD and 4K graphics. The touchscreen will continue to work even if it gets scratched and there are no coatings, plastic films or moving parts to wear out. The active area of the touchscreen is resistant to chemicals such as acetone, toluene, methyl ethyl ketone, isopropyl alcohol, methyl alcohol, ethyl acetate, ammonia-based glass cleaners, gasoline, kerosene, and vinegar.

The Elo IntelliTouch® Curve touchscreen is available with transactional single-touch or interactive dual-touch capabilities in 32-inch and 42-inch sizes.

Elo customization capabilities enable designers to include logos, clear icons, border buttons, and other enhancements. The stable, drift-free operation of SAW touchscreen technology provides an accurate touch response measured on three axes using a finger, gloved hand, or passive stylus. Elo's sensitive touch response recognizes location and amount of pressure applied. Elo has tested IntelliTouch touchscreens to more than 50 million touches in one location without failure, using a stylus simulating or finger.

Applications

- Gaming machine
- Self-service terminal
- Interactive Digital Signage

PRODUCT OVERVIEW

Features

- Pure-glass construction for excellent image clarity, resolution, and light transmission
- Sleek, modern design supporting touchscreens that curve towards the user or wrap around columns
- Single or two-touch interface
- Available in 32" and 42" screen sizes
- Compatible with Microsoft Windows 8.1 and certified for Microsoft Windows 7
- Patented IntelliTouch surface acoustic wave (SAW) touch technology

Benefits

- Cost effective design
- No calibration – longer uptime
- Fast, accurate and stable touch performance
- No wear mechanism – minimize field repairs
- Custom options - Elo's design team will customize standard solution for your application needs

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® Curve and IntelliTouch® Zero-Bezel SAW Specifications

Mechanical	
Input Method	Finger or gloved hand (cloth, leather, or rubber) activation, or soft stylus
Profile	Curved
Available Sizes*	32" or 42"
Electrical	
Positional Accuracy	Standard deviation of error is not greater than 2.5mm and typically much less with calibration to display image
Resolution	6.19 points per mm typical (A/D sampling capability is extended by pattern recognition software)
Touch Activation Force	2 to 3 ounces (55 to 85 grams) typical
Controller	USB
Optical	
Light Transmission	92% ± 2%
Anti-Glare Surface Gloss	95 ±15 or 65 ±15 gloss units when measured per ASTM D2457 using a 60-degree gloss meter
Environmental	
Temperature	Operating: 32° to 122°F (0°C to 50°C); Storage: -40° to 160°F (-40°C to 71°C)
Relative Humidity	Operating: 40°C at 90% RH, noncondensing
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 (15 kV air/8kV contact discharges)
Agency Approvals	UL, cUL, TÜV, CE, FCC Class A, RoHS compliant
Sealability	IntelliTouch® Zero-Bezel touchscreen has been successfully integrated by integrators to meet NEMA 3/3R/5/12/12K/13, IPX1 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® 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: 3-year limited warranty

*Available in standard or to be made upon custom requests with in technology capability size offering.

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

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