

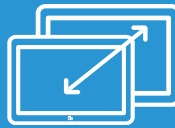


IntelliTouch[®] Surface Acoustic Wave

Touch Solution



Single- or Dual-Touch



7" to 32"
(Standard & Wide Format)



Chemical Resistance &
EMI/EDS Immunity

Product Overview

SAW touchscreen technology delivers superior image clarity, reliability, chemical resistance and EMI/EDS immunity. It is ideal for high definition, eye-popping displays - like those seen in gaming - due to its great resolution and light transmission through its clear glass screen. It will hold up in harsh environments such as hospitals and operating rooms and can be deployed for years without maintenance. Elo offers IntelliTouch SAW technology with transactional single touch or interactive multi-touch capabilities. Micro-bezel or zero-bezel designs are offered along with fully tempered, heat or chemically strengthened glass or ruggedized applications. IntelliTouch technology has met all the Additional Qualification (AQ) testing requirements established by Microsoft for Windows 7 multitouch touch gesture recognition. IntelliTouch SAW is a cost-effective alternative to projected capacitive (PCAP) touch technology that offers better optical clarity and the same zero-bezel style. Three axes of touch information are used to precisely discern two simultaneous touch locations anywhere on the screen. 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. Elo's sensitive touch response recognizes location and amount of pressure applied.

IntelliTouch Surface Acoustic Wave Touch Specifications

Mechanical	
Input Method	Finger or gloved hand (cloth, leather, or rubber) activation, or soft stylus
Size Range*	7.0" to 32"

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	2 to 3 ounces (55 to 85 grams) typical
Controller	USB

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/I 2K/I 3, IPXI 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	
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.

on the *NEXT PAGE*

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

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. Please email Customer Service at customerservice@elotouch.com or contact your local office.

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

Elo Touch Solutions - Italy

Camax DS Srl
Via Fratelli Di Dio, 18
20063 Cernusco Sul Naviglio (MI)

Tel. +39 02 9544951
Fax +39 02 9522671
info@camax.it - www.camax.it

Elo reserves the right to change or update, without notice, any information contained herein; to change, without notice, the design, construction, materials, processing or specifications of any products; and to discontinue or limit production or distribution of any products. Elo and the Elo logo are either trademarks or registered trademarks of Elo Touch Solutions, Inc. All other trademarks are the property of their respective owners.
© 2017 Elo Touch Solutions, Inc. All rights reserved. 17042AES00083

CAMAX
DS

elo