

Zero-bezel Touch technology

Why Zero-bezel Touch

Since the first generation of iPhone, people has been taught that completely flat surface increasingly important for touch-enabled products, both in consumer and vertical market.

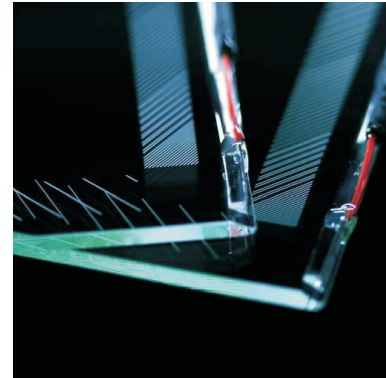
Tangible Benefits of Zero-bezel

- Elegant appearance with more attractiveness
- High sealable level, resisting invasion of any contaminant
- Easy maintenance
- Accessibility from first pixel to last pixel
- Making ID unlimited
- Easy to integrate into systems

Proven Zero-bezel Touch Technologies

Until now, there are 2 kinds of touch technologies support Zero-bezel:

- Projected Capacitive (PCAP), known as iPad, iPhone style
- Zero-bezel SAW touch, remarkable innovation based on a age-old technology



Saw (Surface Acoustic Wave) touch technology is one of the most age-old touch technologies. It has been widely used since its birth because of many significant advantages:

- Pure glass construction delivers the ultimate in image quality
- Reliable and stable, drift-free operation
- Continues to work even if scratched
- Finger, gloved hand and soft stylus activation
- Fast touch response and accuracy
- Durable, easy to achieve high level anti-vandal
- Cost effective

TopLink Touch transfers the transducers and reflect strips from the top to the bottom surface of the glass to achieve Zero-bezel SAW. Besides the above benefits, it also features:

- Elegant appearance
- Easy integration into systems
- Easy maintenance
- High grade sealable
- All surface accessible

Applications

- Point of Sales
- Interactive Digital Signage
- Desktop touch monitor
- All-in-One PC
- Self-service terminal
- Hospitality
- Industrial control
- Gaming and amusement

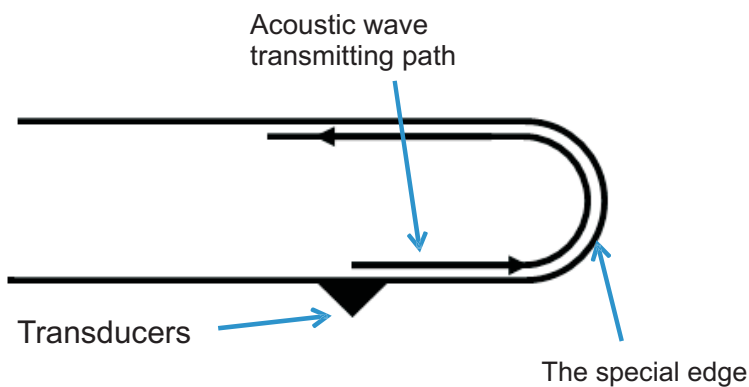
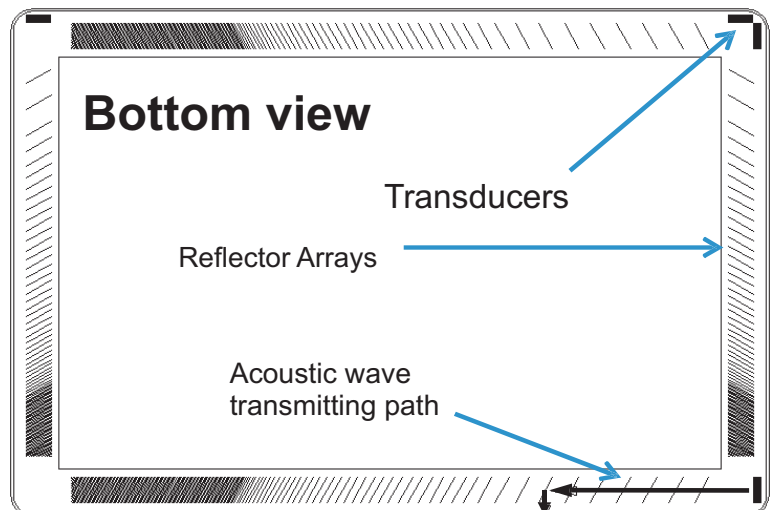


How Zero-bezel SAW Works



The acoustic waves from the emitting transducer pass over the edge of the glass and brood over the anterior glass surface.

The acoustic waves proceed to pass over the opposite edge of the glass baseplate and to the corresponding receiver transducer on the posterior.



Elegant Appearance

Zero-bezel SAW enables the products:

- „iPad Style”
- True flat surface
- Modern appearance
- Eye-catching



Such features are more and more important when it's applied in:

- Retail POS
- Hospitality
- Desktop touchmonitor
- Interactive digital signage



Easy Integration

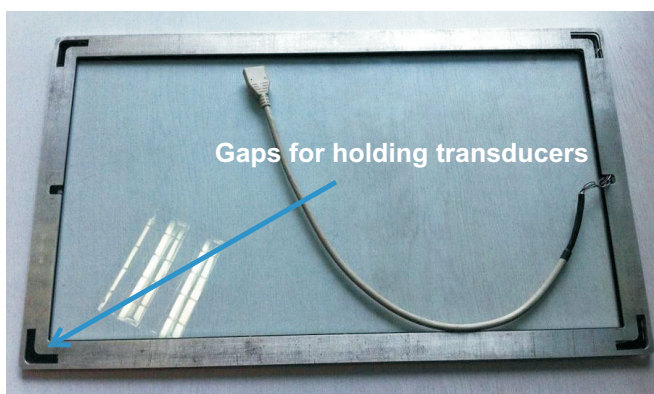
Zero-bezel SAW touch technology enables integration much easier than traditional SAW touch:

- Transducers and reflector arrays are placed on the backside, there is no need to design a front frame to protect them.
- Metal frame chassis optional, which protects the transducers and covers the reflector arrays, making integration much easier.

TOP View, Zero-bezel SAW Touchscreen with metal frame chassis.



BOTTOM View



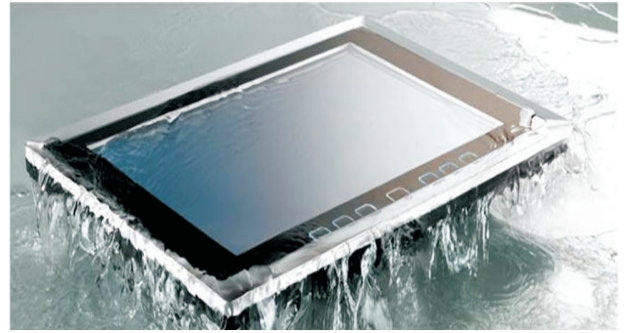
The Metal Frame Chassis



Easy Maintenance

High sealable grade

The front surface is a whole sheet of pure glass, it's seamless. It can prevent any liquid or dust invasion.

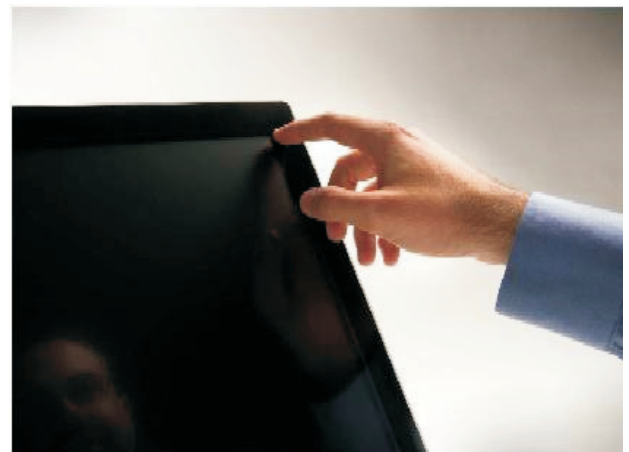


Easy maintenance

The reflector arrays and transducers are located on the backside, any contaminant on the front surface can't affect the touch performance and can be wiped with rag easily.

All Surface Area Accessible

The true flat surface without any frame, all pixels from the first to last in active area can be approached easily.



It is very important for many operations and gestures such as:

- Close a window
- Swipe from edge for app commands

