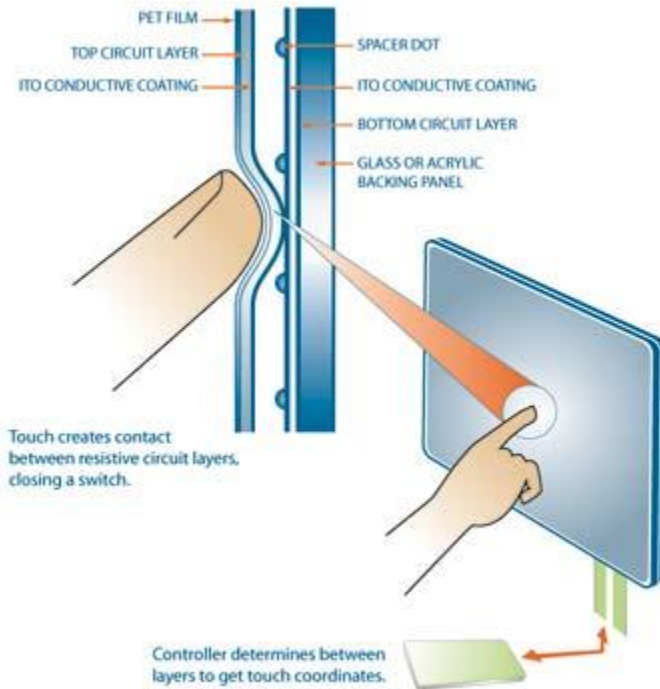


TOUCH TECHNOLOGIES

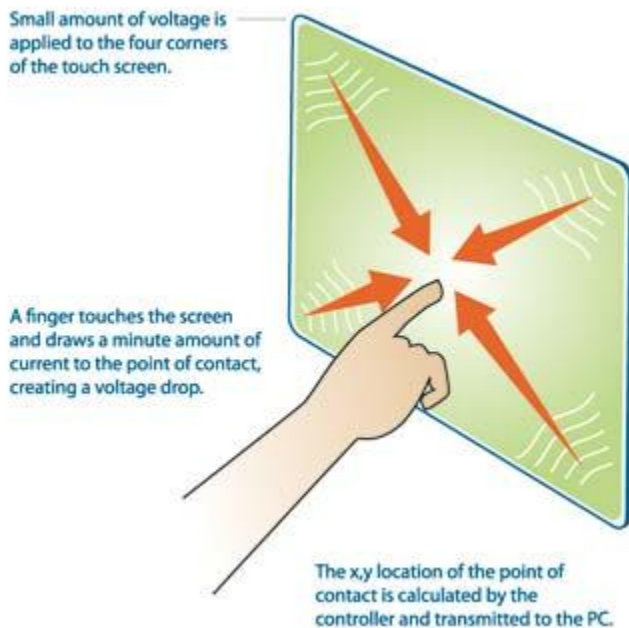
How Resistive Works



Why Resistive Touch?

- **Advantages**
 - Cost-effective solution
 - Activated by any stylus
 - Very accurate
 - Low power requirements
 - Liquids won't affect touch screen performance
- **Disadvantages**
 - Polyester surface can be damaged
 - Lower endurance (35 million touches)

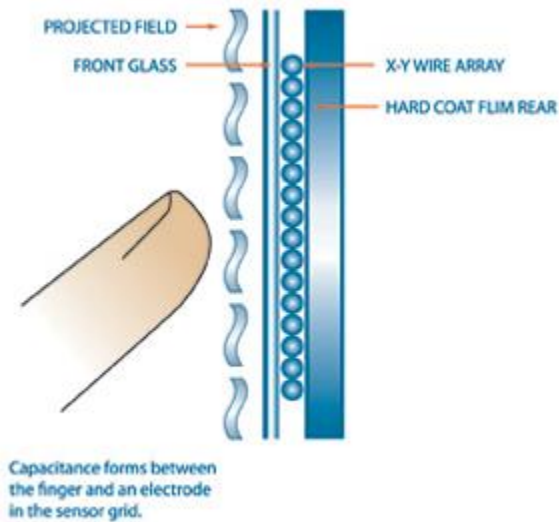
How Capacitive Works



Why Capacitive Touch?

- **Advantages**
 - Scratch resistant, durable surface
 - High endurance (225 million touches)
 - Very accurate
 - Good optical clarity (88+% transmissivity)
 - Liquids won't affect touch screen performance
- **Disadvantages**
 - Does not work with gloved fingers or stylus

How Projected Capacitive Works



Why Projected Capacitive Touch?

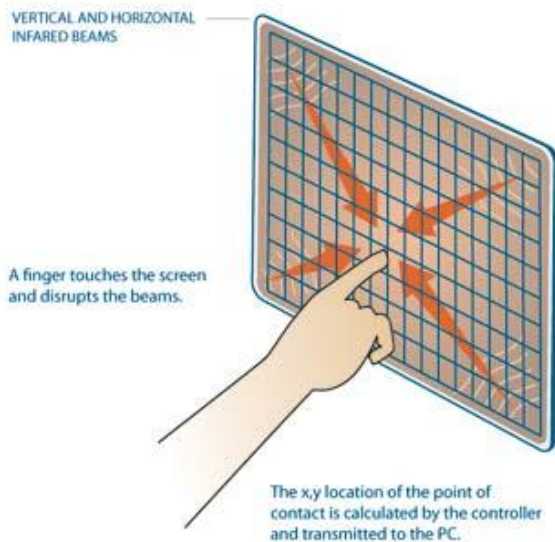
- **Advantages**

- Outdoor operability - in rain, snow, ice and dust
- Multi-touch supports gesturing
- True flat front surface possible with no bezel
- Activated by a thin gloved hand
- Functions even if glass is scratched or broken

- **Disadvantages**

- Won't recognize touch from a thick gloved hand
- Doesn't work with all styli or a prosthetic hand

How Optical works



- **Why Optical?**

-

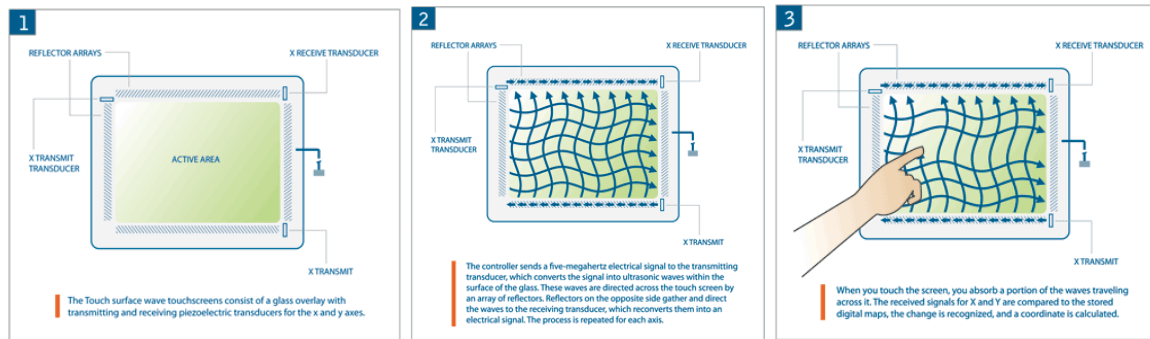
- **Advantages**

- Clearer than resistive or capacitive since there is nothing between the viewer and the display
- The rugged surface and bezel design is ideal for sealing against liquids and dust
- Able to handle dual touch input
- Can scale to large sizes
- Can support multi-touch

- **Disadvantages**

- Cameras may get out of alignment

How SAW Works



Advantages Why SAW Touch?

- - Durable glass construction
 - High optical clarity
 - Activated by a finger, gloved hand, or soft tip stylus
- **Disadvantages**
 - Moving liquids or condensation can cause false touches
 - Solid contaminants create non-touch areas until removed
 - Doesn't support drag or draw effectively