



Multi-Touch

Projected Capacitive Touch Technology

Pushing the envelope for projected capacitive capabilities, Touch International's Multi-Touch Technology features 10-finger touch with multi-touch gestures and works with finger, glove and pen input. Expanding traditional touch screen capabilities and enhancing functionality, Multi-Touch works even in wet environments and is versatile choice for interactive applications including cockpit controls, military land navigation, surgical displays and ATMs.

At a Glance

- Multi-touch Capable (Up to 10 Fingers)
- Windows 7 Compatible
- True Touch with Gesture
- Finger, Glove and Passive Pen Input
- Available with up to 9mm Thick Glass or Plastic Cover Glass
- Works with <1mm Surface Water or Droplets
- Hardware & Firmware can be Modified to Meet Stringent EMI Standards



Multi-Touch is immune to most on-screen contaminants, extreme temperatures and works with water spray. Easy to use, Multi-Touch requires only a slight touch to activate - no pressure is necessary - and is both precise and highly responsive. Multi-Touch doesn't require recalibration, is virtually maintenance free and comes with a 10 year warranty.

For additional information on Touch International products and solutions, contact a sales representative or e-mail sales@touchintl.com.

Applications



Aerospace Systems



Industrial Automation



Medical Instrumentation



Military Equipment



Retail Signature Capture

MULTI-Touch is based on technology that enables a pointing device or finger to sense through a protective screen in front of the display. When touched, a capacitance forms between the finger or pointing device and the laminated touch screen. The embedded serial or USB controller in the touch screen calculates the touch location coordinates and transmits them to the computer for processing.

Specifications

Optical

Light Transmission

Film/Film – 82% ± 3 (Typical)*
 Glass/Glass – 89% ± 3 (Typical)*

Electrical

Input Method
 Insulation Impedance
 Operational Voltage

Finger, Gloved Hand or Stylus
 Exceeds 20 Meg Ohms, @10KV
 D.C. 5V

Mechanical

Surface Hardness
 Touch Activation Force

Depends Upon First Surface Substrate
 25-50g Force for Finger and Passive Stylus
 (Typical)

Environmental

Operation Temperature
 Storage Temperature
 Humidity
 Touch Durability

-15°C ~ 70°C*
 -40°C ~ 80°C*
 10% - 90% RH, Non-Condensing
 300 Million Touches in a Single Location (Electrically)
 250 Million Touches in a Single Location (Cosmetically)
 Flammability UL 94HB (Varies Based on Touch Screen Materials)*
 Chemical Resistance Tested for Resistance to Methyl Alcohol (50%), Ethyl Alcohol (50%),
 Toluene, Acetone, Benzene, Etc.

Other Specifications

Standard Touch Screen Thickness (Glass) 0.7mm
 Warranty 10 Years



* Please note, these specifications are approximations. Testing is currently underway to verify exact data.