

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

Flammability

Chemical Resistance

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

Other Specifications

Standard Touch Screen Thickness (Glass)

Warranty

0.7mm
10 Years



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