

MuTI-Touch

Projected Capacitive Touch Technology

Pushing the envelope for projected capacitive capabilities, Touch International's MuTI-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, MuTI-Touch works even in wet environments and is the most advanced technology for interactive applications including cockpit controls, military land navigation, surgical displays and ATMs.

At a Glance



MuTI-Touch Capable
(Up to 10 Fingers)



Windows 7 Compatible



Works with <1mm
Surface Water or Droplets

Hardware & Firmware can be
Modified to Meet Stringent
EMI Standards



Finger, Glove and
Passive Pen Input



True Touch with Gesture



Available with up to 9mm
Thick Glass or Plastic Cover Glass



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

Applications



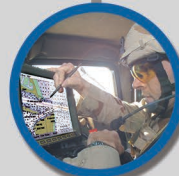
Aerospace



Industrial



Medical



Military



Retail

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



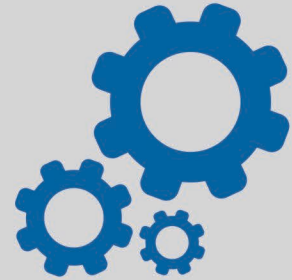
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MULTI-Touch is based on technology that enables a pointing device or finger to sense through a protective screen in front of the display. When touched, a capacitance forms between the finger or pointing device and the touch screen. The embedded serial 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% \pm 3 (Typical)* Glass/Glass - 89% \pm 3 (Typical)*
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Electrical

Input Method	Finger, Gloved Hand or Stylus
Insulation Impedance	Exceeds 20 Meg Ohms, @10KV
Operational Voltage	D.C. 5V

Mechanical

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

Environmental

Operation Temperature	-15°C ~ 70°C*
Storage Temperature	-40°C ~ 80°C*
Humidity	10% - 90% RH, Non-Condensing
Touch Durability	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

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