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 as the most advanced and durable technology for interactive applications including cockpit controls, military land navigation, surgical displays and ATMs.

**AT A GLANCE**

- Multi-touch Capable (Up to 10 Fingers)
- Finger, Glove and Pen Input
- True Touch with Gesture and Palm Rejection
- Durable Against Chemicals & Contaminants
- Works with <1mm Surface Water or Droplets
- Windows 7 Compatible
- Hardware & Firmware Modification to meet EMI / RFI 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 to achieve both precise and highly responsive touch detection. Multi-Touch does not require calibration, is virtually maintenance free and comes with a 10 year warranty.

**APPLICATIONS**

- Aerospace Systems
- Industrial Equipment
- Medical Instrumentation
- Military Equipment
- Retail
## SPECIFICATIONS

| Optical | Light Transmission: | Film/Film - 852% +3 (Typical)*  
Glass/Glass - 89% + 3 (Typical)* |
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Electrical</td>
<td>Input Method:</td>
<td>Finger, Glove, Stylus</td>
</tr>
<tr>
<td></td>
<td>Insulation Impedance:</td>
<td>Exceeds 20 Mg Ohms, @10KV</td>
</tr>
<tr>
<td></td>
<td>Operational Voltage:</td>
<td>D.C. 5V</td>
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<tr>
<td>Mechanical</td>
<td>Surface Hardness:</td>
<td>3H to 6H</td>
</tr>
<tr>
<td></td>
<td>Touch Activation Space:</td>
<td>25-50g Force for Finger and Passive Stylus (Typical)</td>
</tr>
<tr>
<td>Environmental</td>
<td>Operation Temperature:</td>
<td>-15 C ~ 70 C*</td>
</tr>
<tr>
<td></td>
<td>Storage Temperature:</td>
<td>-40 C - 80 C*</td>
</tr>
<tr>
<td></td>
<td>Humidity:</td>
<td>10% - 90% RH, Non-Condensing</td>
</tr>
</tbody>
</table>
| | 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)*  
Tested for Resistance to Methyl Alcohol (50%),  
Ethyl Alcohol (50%), Toluene, Acetone, Benzene, Etc. |
| Other Specifications | Touch Screen Thickness (Glass): | 0.7mm (Standard) |
| | Warranty: | 10 Years |

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

### HOW IT WORKS

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.

For additional information on Touch International products and solutions, contact a sales representative at 512-832-8292 or e-mail sales@touchintl.com