

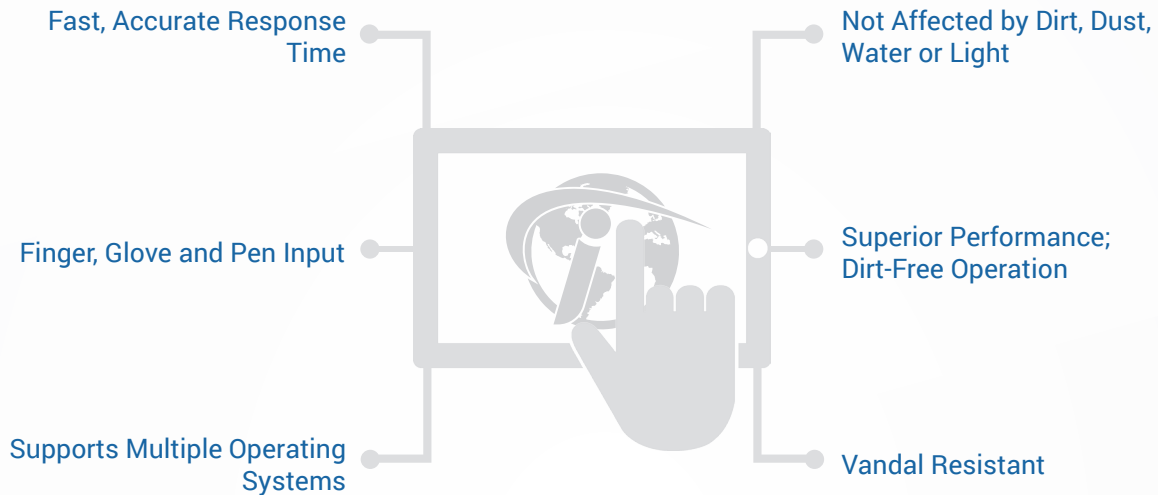


# RESISTIVE TOUCH

4, 5 & 8-WIRE ANALOG RESISTIVE TOUCH TECHNOLOGY

Touch International designs and manufactures low cost 4-wire, 5-wire and 8-wire resistive pressure sensing touch screens in sizes ranging from, but not limited to 7 inches to 24 inches. Our NEMA sealable resistive touch screens prevent contamination from water, grease, dirt, dust, oil and most harsh chemicals. Customized for input versatility and low power draw, our industry-proven resistive technologies deliver unparalleled value and flexibility in construction, design and performance.

## AT A GLANCE



### 4-WIRE

- Best for compact sized products
- Low power draw
- Cost affective

### 5-WIRE

- Ideal for high-volume applications
- Easy to integrate
- Most durable

### 8-WIRE

- 4 additional sensing points compared to 4-wire
- Better accuracy & linearity in larger sized products

## APPLICATIONS



Aerospace Systems



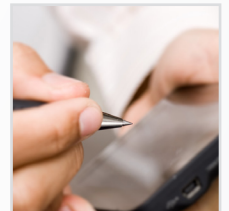
GPS



Medical Instrumentation



Mobile Computing



PDA's



# SPECIFICATIONS

	4-WIRE	5-WIRE	8-WIRE
<b>Construction:</b>  The specification data below applies to touch screens with the following properties:	<ul style="list-style-type: none"> <li>Single top polyester conductive layer</li> <li>Single bottom glass conductive layer</li> </ul>	<ul style="list-style-type: none"> <li>Single top polyester conductive layer</li> <li>Single bottom glass conductive layer</li> </ul>	<ul style="list-style-type: none"> <li>Top polyester conductive layer</li> <li>Bottom polyester conductive layer</li> <li>Glass backer substrate</li> </ul>
<b>Optical</b>			
Light Transmission:	> 80% Typical		> 75% Typical
<b>Electrical</b>			
Input Method:	Finger, Pen Stylus		Finger
Insulation Impedance:	Exceeds 20M ohm, @DC 25V		
Operational Voltage:	2.5V to 5V DC		
<b>Mechanical</b>			
Surface Hardness:	4H		
Touch Activation Space:	50~80 g typical force (Finger), 25~50 g typical force (Pen Stylus)		80 g typical force
<b>Environmental</b>			
Operation Temperature:	-20° C ~50° C		-10°C to 50°C
Storage Temperature:	-40° C ~ 75° C		20°C to +60°C
Humidity:	90% RH, noncondensing		95% RH, noncondensing
Touch Durability:	5 million touches	35 million touches	5 million touches
Pen Durability:	1 million touches (Hitting), 100,000 strokes (Sliding)	10 million touches (Hitting), 1 million strokes (Sliding)	na
Chemical Resistance:	6% HC1, 40% H2SO4, 10% NaOH and 70% HNO3		
<b>Other</b>			
Warranty	1 year	5 year	2 year