



# Projected Capacitive (PCAP) Touch Technology

For Multi-touch Applications

**Projected capacitive touchscreen technology is a capacitance system** that delivers a sensitive, accurate two-touch (compatible with Windows 7 operating system dual gestures) interactive experience for Elo TouchSystems touchmonitors.

Using a proprietary glass-on-glass lamination configuration, it responds to a light touch in a seamless, zero-bezel design. Without an overlay or substrate, the pure-glass surface is nearly impossible to physically “wear out” and is easy to clean with no edges to trap dirt and grease.

Projected capacitive touchscreens combine high resolution with excellent transparency and sleek glass-to-edge aesthetics, making it an excellent choice for most public venues including retail and hospitality. Whether activated by fingers or gloved hands, it consistently delivers a fast, accurate, drift-free touch response. Projected capacitive touchscreens are available in the Elo TouchSystems 1515L and 1715L touchmonitors.

## Benefits

- Two independent touch points (with Windows 7 operating system)
- Responds to a light touch to activate response
- High transparency and color fidelity
- Stable, no-drift performance—no calibration required
- Recognizes touch from a finger or gloved hands

## Applications

- Retail
- Restaurants
- Hotels
- Casinos

## Touch Products

- Available with Elo TouchSystems 1515L and 1715L touchmonitors

# Projected Capacitive (PCAP) Specifications

## MECHANICAL

Input Method	Finger or Latex gloved hand activation
Sensor Thickness	2.4mm laminated

## ENVIRONMENTAL

Operating Temperature	14°F to 140°F (-10°C to 60°C)
Storage Temperature	14°F to 149°F (-10°C to 65°C)
Operating Relative Humidity	20% to 90% relative humidity, noncondensing
Chemical Resistance	The surface area of the touchscreen is resistant to all chemicals that do not affect glass, such as: acetone, toluene, methyl ethyl ketone, isopropyl alcohol, methyl alcohol, ethyl acetate, ammonia-based glass cleaners, gasoline, kerosene, vinegar
Electrostatic Protection	Meets Level 4 (15kV air/8kV contact discharges) per EN 61 000-4-2, 1995
Sealability	Can be sealed to meet NEMA 4 and 12

## ELECTRICAL

Positional Accuracy	<1.5% of reported position in recommended viewing area
Resolution	4096 x 4096
Touch Activation Force	No minimum touch activation force is required
Controller	USB HID compatible

## OPTICAL

Light Transmission	90% at 550nm
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## DURABILITY

Abrasion Resistance	Glass front, virtually unaffected by surface scratching
Expected Life	No known wear-out mechanism from touch
Water	Resistant to water droplets on the surface

## OTHER FEATURES

Agency Approvals	UL, FCC, CE
Warranty	2-year limited warranty

To find out more about Elo's extensive range of touch solutions, go to [www.elotouch.com](http://www.elotouch.com), or call the office nearest you.

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