

CG Touch+

Surface Capacitive Touch Technology

The CG Touch+ from Touch International uses capacitive technology and an all glass sensor with a specialized back coating to provide a quick and accurate touch response. This high performance touch solution offers environmental robustness, durability, touch sensitivity and optical clarity and is ideal for graphic driven applications such as gaming, amusement, ATMs and banking.

At a Glance

- High Impact, Vandal and Scratch Resistant
- Ideal for Public Access Applications
- No Drift and No Recalibration Required
- Unaffected by Environmental Factors; Moisture, Rain or Temperature
- Finger Input

Applications

- Gaming
- Kiosk
- Banking
- Vending Machines



CG Touch+ is available in both standard and custom touch screen sizes and is a drop in replacement to competing capacitive products. Available curved or flat, CG Touch+ is proven to meet the harsh demands found in high traffic, high vandal public access sectors.

Touch International's capacitive technology is extremely tough, hardwearing and unaffected by harsh conditions. It also has the benefit of high optical clarity with low reflection, so no light is lost through the touch screen from the LCD making it optically superior. Tested with over 50 million touches on the same surface touch point, CG Touch+ is one of the toughest and longest lasting touch technologies available today.

Capacitive Controllers

Part Numbers:

57-B-5-09S

57-B-5-08S

57-B-5-12

Sensor Sizes

15.0"

17.0"

18.0"

19.0"

*Custom Sizes Also Available



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CGTouch+ Capacitive touch screens comprise an all glass sensor coated with an ultra fine layer of tin antimony oxide providing a conductive surface from which the capacitance of the human body can be picked up, creating an X/Y coordinate.

Specifications

Optical

Material	Pure Glass (Standard)
Light Transmission	Up to 90%, 88 - 90% Typical
Film Options	Anti-Glare, Polish Standard (Anti-Reflective Films Available)*

Electrical

Input Method	Finger Only
Insulation Impedance	20 M Ohms, @DC 25V
Operational Voltage	5v and 12v D.C.
Linearity	99% With Calibrated Electronics; +/- 1.5%, 3% Maximum @ 90% Active Area With Un-Calibrated Electronics
Chattering Time	10msec or Less
Communication	RS-232C, USB

Mechanical

Surface Hardness	Scrape Hardness 6H of ASTM D3365 and 5H JIS K5400
Touch Activation Force	50g (Typical)
Thickness	3.25mm to 4.57mm +/- .25mm (Custom Thicknesses Available)*
Available Sizes	15" to 19" Standard Sizes (Custom Sizes Available)*
Supported Operating Systems	MS-DOS, Windows 95/98/2000, CE/ME/2000NT, OS/2, XP, Linux

Environmental

Operation Temperature	-20°C ~ 50°C, <50% RH, No Dew Condensation
Storage Temperature	-40°C ~ 70°C, <50% RH, No Dew Condensation
Humidity	50°C at 90% RH or Lower for 240 Hours, No Dew Condensation
Altitude	Operating: 10,000 Feet Storage: 50,000 Feet

Durability/Reliability

Touch Durability Electrically	50 Million Touches in a Single Location
Touch Durability Cosmetically	250 Million Touches in a Single Location
Chemical Resistance	ASTM D 1308-87 (1983), ASTM D 15989 95: Resistant to Containments Such as Tea, Coffee, Vinegar, Juice and Coke
NEMA Rating	NEMA Sealable; NEMA 4, 12 & IP65
Cleaning	Water, Isopropyl Alcohol and Non-Abrasive Cleaners

Other Specifications

Warranty	5 Year Standard - Long Term Warranties Available
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* Specifications are subject to change.

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



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