

Surface capacitive touch has always been known for its sensitivity for bare fingers, speed of operation, good optical quality and continued operation even with liquid spills or rain. Sometimes, it is also known for calibration drift, jittery positioning and loss of touch function due to minor surface scratching or poor electrical ground. In certain markets such as patient monitors or food-service POS terminals, it cannot even be considered because it will not react to touch through thin gloves.

Wacom's revolutionary CapPLUS product line simply provides all of the advantages while eliminating the difficulties and uncertainties of integrating surface capacitive technology into your application. Utilizing patent-pending RRFC™ technology, proprietary ASICs and extensive digital processing, Wacom's CapPLUS can accurately establish a stable touchpoint with very little signal in a highly noisy environment and uses thicker surface hardcoats to protect against scratching. This leads to accurate, fast, drift-free and durable performance. Providing excellent bare finger sensitivity, Wacom's CapPLUS is the only surface capacitive touch available today with thin glove or ungrounded operation possibilities.

## Applications

- Casino and Amusement Gaming
- Kiosks and Digital Signage
- Point-of-Sale Terminals
- Patient and Nursing Station Monitors
- Industrial PCs and Ruggedized Equipment

## Benefits

- Fast, sensitive and bright
- Not affected by liquids on the touch surface
- Superior scratch resistance
- High tolerance for changing ground potentials
- Touch can be sensed through thin plastic gloves

## Technical Highlights

- RRFC technology with multiple checks on each touchpoint
- Proprietary Wacom ASIC with high signal/noise ratio features
- Extensive digital processing to improve linearity and stability
- Thicker hardcoat for scratch resistance

## Specifications Summary

Touch Technology	Surface Capacitive (Wacom RRFC)
Sensor Construction	ATO sensing layer, ITO backshield on 3mm glass
Host Interface	USB 1.1 Full Speed (bus-powered) and RS232 (5-12VDC power)
Product Size Range	6.4-32 inch active area diagonal
Touch Input Method	Bare finger and thin plastic gloves
Current Consumption (touched)	110mA typical/150mA peak
Output Resolution	4096 x 4096
Linearity/Accuracy	+/- 1.5% of active area diagonal (bare finger touch)
Touchpoint Throughput	144 per second (default)
Transmissivity	Greater than 84% (86% typical)
Temperature Range	Operating -20°C to +70°C
Relative Humidity	20-90% Operating / 20-95% Storage
Global Limited Warranty	5 years for Touchscreen and Controller
Regulatory	UL, cUL, FCC, CE, RoHS
Controller Dimensions	61.9 mm x 33.0 mm

**Subject to change without notice** For further information please contact your local Wacom Components distributor or check out the Wacom website at [www.wacom-components.com](http://www.wacom-components.com)

### Asia

Wacom Co., Ltd.  
Harmony Tower 18th Fl  
1-32-2 Hon-Cho Nakano-ku  
164-0012 Tokyo  
Japan

comp-info-jp@wacom.co.jp (JP)  
comp-info-tw@wacom.co.jp (TW)  
comp-info-kr@wacom.co.jp (KR)  
comp-info-cn@wacom.co.jp (CN)

### Americas

Wacom Technology Corporation  
1311 SE Cardinal Court  
Vancouver, WA 98683  
USA

capplus@wacom.com

### EMEA

Wacom Europe GmbH  
Europark Fichtenhain A9  
47807 Krefeld  
Germany

capplus@wacom.eu

### Development Center

Wacom Technology Corporation  
1809 Hur Industrial Blvd, Ste. A  
Cedar Park, TX 78613  
USA

capplus-support@wacom.com

feel™

At Wacom, we believe that using technology should not be complicated or frustrating. We are committed to providing our partners with components that make reliable solutions which are easy and inspiring to use.

Through rigorous quality and a deep focus on creating great end-user experiences we ensure that people feel good about using products that include our components and our partners feel good about working with us.

CapPLUS is one of our Wacom feel IT Technologies, created explicitly to make using touch screens simpler, more accurate and robust.

Don't just touch, feel.

[www.feelwacom.com](http://www.feelwacom.com)

