



## Dignity Electronics PCAP Touch

### Projected Capacitive Touch Panel Series



#### **Product Size Range**

Standard / Custom:  
4.3" – 86"



#### **Customization Options**

Full range of cover lens, touch  
sensor and electronics options



#### **Product Support**

Firmware tuning and  
software support provided

## Product Overview

Dignity offers a wide range of both standard and custom developed Projected Capacitive (PCAP) touch screens (also known as PCT), provide superior optics and user interactive experience for a large variety of applications. Our PCAP touchscreens are available in a range of structures, sizes and with a wide selection of enhancements and filters to improve product performance and meet application needs. We offer in-house design, engineering services, firmware tuning and other options to optimize the final touch solution for your end use.

## Sample Product Applications



Office  
Automation



Communication  
& Education



Retail &  
POS



Industrial &  
Instrumentation



Medical  
Equipment



Kiosk &  
POI

## Features

- ◆ Supports up to 10mm cover lens for the most rugged touch applications
- ◆ Customizable silk screening, logos, cut outs and colored glass options
- ◆ Provides support for a range of touch performance enhancements, from 10 - 50 touch points, water resistance, gloved touch and stylus usage
- ◆ Variety of optical and performance enhancements and filters to customize products for final application

## Product Customization

<i>Parameter</i>	<i>Options &amp; Notes</i>
Screen Size (Diagonal inches)	4.3" – 86"
Integrated LCD	Yes / No
Product Construction	GG / G1F / GFF / PG
Integration	Tape Bonding / Optical Bonding (OCA & LOCA)
<i>Cover Lens</i>	
Cover Lens Thickness	0.55mm – 10mm
Cover Lens Material	CS Glass, Gorilla Glass, Heat Tempered, Plastic, etc.
Additional Options	Silk screening, logos, cut outs, colored glass, etc.
<i>Touch Controller &amp; Interface</i>	
Controller Location	COB / COF
Controller Type	Silicon Works / EETI / Customer Supplied / As Specified
Interface	I2C, USB, RS232, UART
Operating System	Windows XP, 7-10, Linux, iOS, Android
Performance Options	2-50 touch points, palm rejection, water rejection, gloved use, gestural controls, active stylus, etc.
<i>Product Enhancements</i>	
Optical	Anti-Glare / Anti-Reflection / Mirror Finish / Dead Front
Others	Anti-Fingerprint / Anti-Shatter Film / Hard Coat / EMI Resistance

## Product Specifications - General

<i>Item</i>	<i>Specifications</i>
<i>General</i>	
Type	Projected Capacitive Touch Panel
Input Method	Finger, Active Stylus, Gloved Touch (up to 50 touch points)
Hardness	≥ 7H / ≥ 3H (PG products)
<i>Durability</i>	
Warranty	Standard Products: 1.5 years / Custom: As per application
Tapping	10 Million
Sliding	1 Million
<i>Electrical</i>	

Operating Voltage	2.5 – 5V
Response Time	≤ 25 ms
<i>Optical</i>	
Transmittance	≥85%
Haze	≤2%
<i>Environmental</i>	
Storage Temp	-30°C ~ +70°C
Operating Temp	-20°C ~ +60°C
Relative Humidity	10 – 90% RH Non-Condensing

To find out more about our range of standard and custom touch solutions, or to consult on a project, please visit [www.dignity.com.cn](http://www.dignity.com.cn) or contact the sales office nearest you.

North America	Europe	Asia-Pacific	China
Tel			+86 757 2668 7241
Fax			+86 757 2668 1196
<a href="mailto:Nasales@dignity.com.cn">Nasales@dignity.com.cn</a>	<a href="mailto:eusales@dignity.com.cn">eusales@dignity.com.cn</a>	<a href="mailto:asiasales@dignity.com.cn">asiasales@dignity.com.cn</a>	<a href="mailto:cnsales@dignity.com.cn">cnsales@dignity.com.cn</a>

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