RockTouch®

Italian Exquisite & Smart Design - Japanese & Taiwanese Advanced Technology - Taiwan Full Automated Manufacturing Process

A World Class Leading Industrial Touch Technology

From Technology to the Application

Projected Capacitive Technology has evolved since its first introduction to the consumer market in 2007. It is the best adapting touch technology to bring constant evolution to your application in today's ever-changing market. Projected Capacitive Technology is constantly progressing to achieve market needs. Hence "projected" in its name, Projected Capacitive Technology is always advancing to meet future needs.
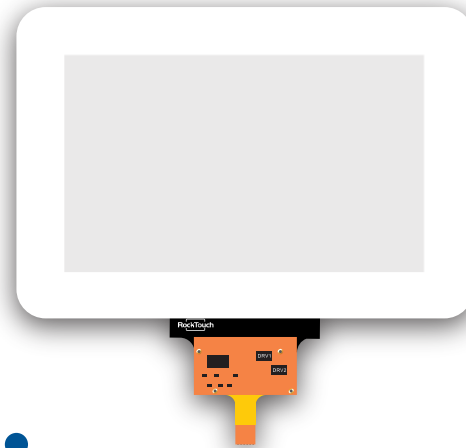
The 3 fundamentals of Rocktouch:

- High quality and stable film/film sensor technology
- Evolving firmware algorithm to bring exciting performance
- Cover glass customization to fulfill customer design requirement

Due to its high quality touch precision technology, Projected Capacitive is a technology very sensitive to its environment however, with its Rocktouch patented embedded design, the technology retains its stability. To deliver customer requested performances, Rocktouch assists its customers with firmware customization for their application.

For fast prototyping and easy integration, Rocktouch's customers are given the option to choose various standard cover glass from Rocktouch and purchase an accessory kit to apply to their application.

For custom cover lens, Rocktouch's customers are able to choose from various types of glass with different printing technologies and an option of special surface treatment is also provided to improve optical performance.
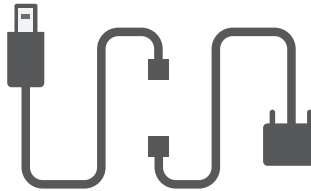
Thanks to Rocktouch's mother company FutureLabs, the company provides its customers a solution based on the integration of TFT LCD display with air bonding or liquid bonding technology.

Touch Sensor with COF

Adapter Box

USB & RS-232 Cables

Driver support

Custom Firmware

Embedded COF & Custom FW will deliver the desire performance into customer application

IOT Automation

Medical

Home Appliance

Vending

Outdoor

Marine

Standard Product Available

Developed with scalable concept, customers can choose different sizes from different product lines while having the mechanical design remain the same.
Rocktouch has implemented the Embedded motherboard form factor concept, into a touch screen product

Size Available	LCD Display Resolution Match	Standard Cover Glass Thickness	Standard Cover Glass Type	Interface Available	Controller Design	Controller Pinout	Line Available	Fingers Number	Accessories
7"W	800x480, 1024x600	0.7/3 mm	Transparent/Black/White	I2C/USB	Embedded COF	6 pin 0.5 mm pitch	A/X-H2O	up to 10	Cables
10.1"W	1024x600, 1280x800	1.1/3/6 mm	Transparent/Black/White	I2C/USB/RS-232	Embedded COF	6 pin 1 mm pitch	A/X/X-H2O	up to 10	Adapter Box & Cables
10.4"	640x480, 800x600, 1024x768	1.1/3/6 mm	Transparent/Black/White	I2C/USB/RS-232	Embedded COF	6 pin 1 mm pitch	A/X/X-H2O	up to 10	Adapter Box & Cables
12.1"	800x600, 1024x768	1.1/3/6 mm	Transparent/Black/White	I2C/USB/RS-232	Embedded COF	6 pin 1 mm pitch	A/X/X-H2O	up to 10	Adapter Box & Cables
12.1"W	1280x800	1.1/3/6 mm	Transparent/Black/White	I2C/USB/RS-232	Embedded COF	6 pin 1 mm pitch	A/X/X-H2O	up to 10	Adapter Box & Cables
15.0"	1024x768	1.1/3/6 mm	Transparent/Black/White	I2C/USB/RS-232	Embedded COF	6 pin 1 mm pitch	A/X/X-H2O	up to 10	Adapter Box & Cables
15.6"W	1366x768, 1920x1080	1.1/3/6 mm	Transparent/Black/White	I2C/USB/RS-232	Embedded COF	6 pin 1 mm pitch	A/X/X-H2O	up to 10	Adapter Box & Cables
17.0"	1280x1024	1.8/3/6 mm	Transparent/Black/White	I2C/USB/RS-232	Embedded COF	6 pin 1 mm pitch	A/X/X-H2O	up to 10	Adapter Box & Cables
18.5"W	1366x768, 1920x1080	1.8/3/6 mm	Transparent/Black/White	I2C/USB/RS-232	Embedded COF	6 pin 1 mm pitch	A/X/X-H2O	up to 10	Adapter Box & Cables
19.0"	1280x1024	1.8/3/6 mm	Transparent/Black/White	I2C/USB/RS-232	Embedded COF	6 pin 1 mm pitch	A/X/X-H2O	up to 10	Adapter Box & Cables
21.5"W	1920x1080	1.8/3/6 mm	Transparent/Black/White	I2C/USB/RS-232	Embedded COF	6 pin 1 mm pitch	A/X/X-H2O	up to 10	Adapter Box & Cables
31.5"W	1366x768, 1920x1080, 4K2K	1.8mm	Transparent	USB/RS-232	External controller	External controller	S	up to 10	Cables

Products line and features

Using the same mechanical concept design, we introduced different product lines to fulfill different application requirements. Choose the best line for your product

Features/Product Line	Sensor Design	Fingers number	Glass thickness (mm)	Freq Hopping	SNR	Water Rejection	Full Water	Medical Gloves	Industrial Gloves	Palm Rejection	Light Frequency Cutting	Passive Pen	Pencil	Active Pen	Air Gap
A Line	Standard	2	6	No	Low	No	No	Yes	Available	No	No	Yes	No	No	No
X line	Slim border	10	8	Yes	High	Yes	No	Yes	Yes	Yes	Yes	Yes	Available	No	Available
X-H20 Line	Slim border	10	8	Yes	Medium	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Available	Yes	No
S line	Slim border	10	20	Yes	Medium	Yes	Available	Yes	Available	Available	Yes	Yes	No	No	Yes

* Specifications are subjective to change without notice, Rocktouch is registered trademark, other brands and products names are trademarks or registered trademarks of their respective holder
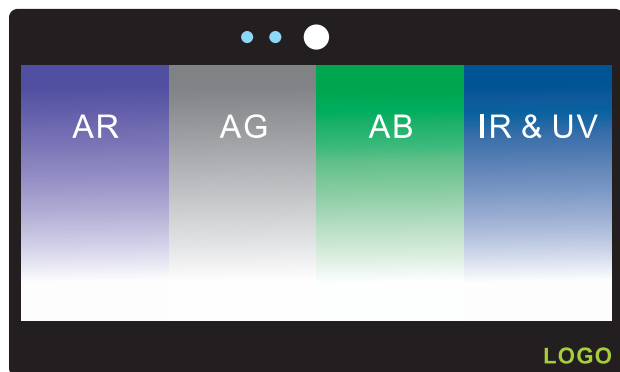
Custom Cover Lens Solution

Most Industrial applications have a dull and mundane design, but today with PCAP technology we are able to bring life to Industrial application designs, making your machine more eye catching while increasing its durability.

With Rocktouch's collaboration with Top Tier Glass Manufacturers, Rocktouch provide its customers with a wide choice of glass designs

Many design options are as follows:

- From thin to very thick glass
- From chemically strengthened to fully tempered technology
- The choice of gorilla glass or dragon tail glass
- Different printing type options
- Different transparent level for logos or buttons
- Advanced border cut
- Transparent & Semi transparent hole options
- Trough hole cut with different shapes
- Surface treatment available: AR, AG, AF, AB, IR and UV cut
- Privacy filter option available.

Possible Design Choice

For maximum flexibility, customers are given a few choices to have the best Projected Capacitive solution fulfilling their requirements.

With the Company's Patented Embedded Scalable Design, three options are available :

Solutions/ Options	1 Standard Product	2 Custom Cover lens	3 Full Custom
Tooling Investment	No Tooling	Cover Lens Tooling	Full Tooling
Size	From 7"W up to 31.5"W	From 7"W up to 31.5"W	from 3.5" up to 31.5"W
Film	Rocktouch Design	Rocktouch Design	Custom Design
Glass Thickness	0.7/1.1/1.8/3/6 mm	Your choice	Your choice
Cover Lens Color	Transparent, Black, White	Any color	Any color
Controller	Rocktouch Embedded COF	Rocktouch Embedded COF	Embedded COF or External controller

The most widely chosen option is the second option, it provides the following advantages:
- Low tooling cost
- Fast time delivery to market
- Easy design integration for different sizes

High End Manufacturing Certifications
Rocktouch offers competitive solution to its customers, enforcing strict manufacturing processing standards.
Rocktouch manufacturing plant has received different certifications for:
- TS16949   for Automotive solution
- ISO13458   for Medical solution
- AS9100   for Avionics solution
If your product require a special manufacturing process, contact us and we will follow up on your request.

Rocktouch Rock,s!

AR AG AB IR & UV

LOGO