

# Specification of *Capacitive* Controller Board & User Manual

Customer :

Model : 33-CA232-BBB1-0B01

Date :

Version :

Acceptance Sheet			
Onetouch Technologies Co., Ltd.			
(Supplier)		(Purchaser)	
Date	Approval Signature	Date	Approval Signature



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# Note !!

Please avoid using it on the products correlated with the human life. (For example: Medical apparatus, universe apparatus, plane, seafloor relay apparatus, etc. needs high trusting thing)

If consider applying to the control of transporting apparatus (train, automobile, boat) or as correlated security, please tell to seller in advance. The quality of this product is used in general products mainly ( Computer, OA machine, FA machine, communication apparatus, measurement apparatus, AV machine, etc. )

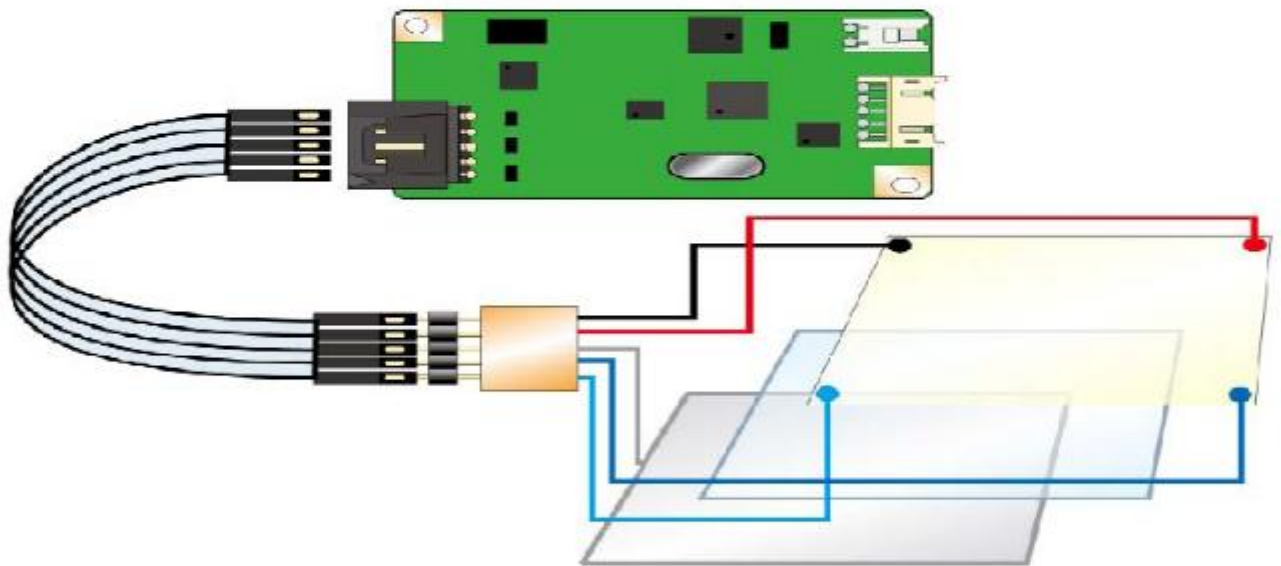
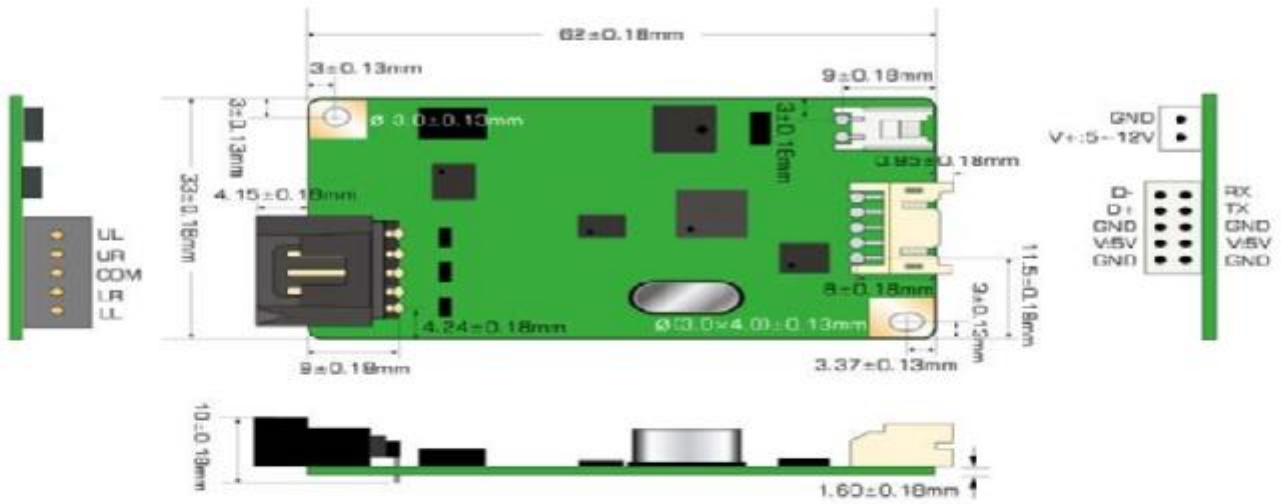
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# Capacitive Touch Panel Controller

This touch panel controller provides the optimistic performance of your capacitive touch panels. It communicates with PC system directly through RS232 or USB connector. You can see how superior the design is in sensitivity, accuracy and friendly operation. The touch panel driver emulates mouse left and right button function and supports operation systems as following.

OS	Version	Interfaces
Windows	Windows 7, Vista, XP/2000, 9x/ME Windows CE 2.12/3.0/.net/5.0 Windows Embedded Windows XP Tablet PC edition	RS232/USB
Windows	Windows NT4	RS232
Linux	Mandrake(Mandrake9.1/9.2/10Mandriva2005, Mandriva2006), RedHat.(5.3/7.3/8.0/9.0), Fedora(Corel/II/III/IV/V), YellowDog(3.X), SuSE(9.2/9.3/10/10.1), Ubuntu(5.1/6.06/9.10),	RS232/USB (upto Kernel2.6.x)
DOS	DOS	RS232
Mac	Mac OS, Mac OS X (IBM, intel CPU)	USB
QNX	QNX RTOS v6.3	RS232

# Controller:



## Specifications:

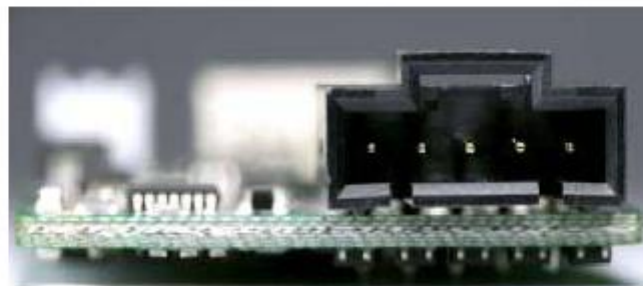
Circuit Board Dimension	62mm x 33mm (2.445inches x 1.299inches)
Power Requirements	D.C.+5V, external 5~12V unregulated power(Maximum 65mA,typical 55mA, 50mV peak to peak maximum ripple and noise)
Operating Temperature	-40 to 80 °C
Storage Temperature	-40 to 90 °C
Relative Humidity	95% at 60 °C
Interface	Bi-directional RS-232 serial communication , USB: 2.0 compliant
Protocol	RS232:No arity,8 data bits,1 stop bit,9600 baud(N,8,1,9600) S II Sd S 2 0 li
Resolution	2048 x 2048 resolution
Report rate	Adaptive Sampling Rate. Max. 180 points/sec
Response time	Max. 25 ms
Attached Cable	RS232: 6' shielded cable with 9-pin D-sub connector USB: 6'shielded cable with A type connector for USB Y converter cable
Regulatory Approvals	FCC-B , CE
EMI	Unaffected by environmental EMI
Electro-Static Discharge(ESD)	Contact $\pm$ 8KV , Air $\pm$ 27KV

## Features:

Alignment	Fast 4 Points Alignment
Linearization	9, 25 Points Linearization
Setting	Support Multi-Controller and Dynamical Add/Remove
Languages Support	Support 11 languages in Windows
Mouse Emulation	Right/Left buttons emulation
HID Touch Digitizer	Support Vista HID Touch Digitizer
Sound Feedback	Sound on Touch Sound on Lift No Sound
Double Click	Configurable Speed Configurable Range
Monitor Support	Monitor Rotation Supported Multiple Monitor Supported Split Display Supported
Frequency	Auto Frequency Control

## Controller Panel Pin Assignment:

UL	UR	COM	LR	LL
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## Controller Wafer Pin Assignment:

