



# Specification of Resistive Controller Board & User Manual

Customer :

Model : 33-4W232-BB

Date :

Version:

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

## SPECIFICATION REVISION RECORD

Customer :  
Customer NO. :

Issue Date :  
Model :

NO.	Version	Issue Date	Summary of Changes	Page

< Remarks >

# 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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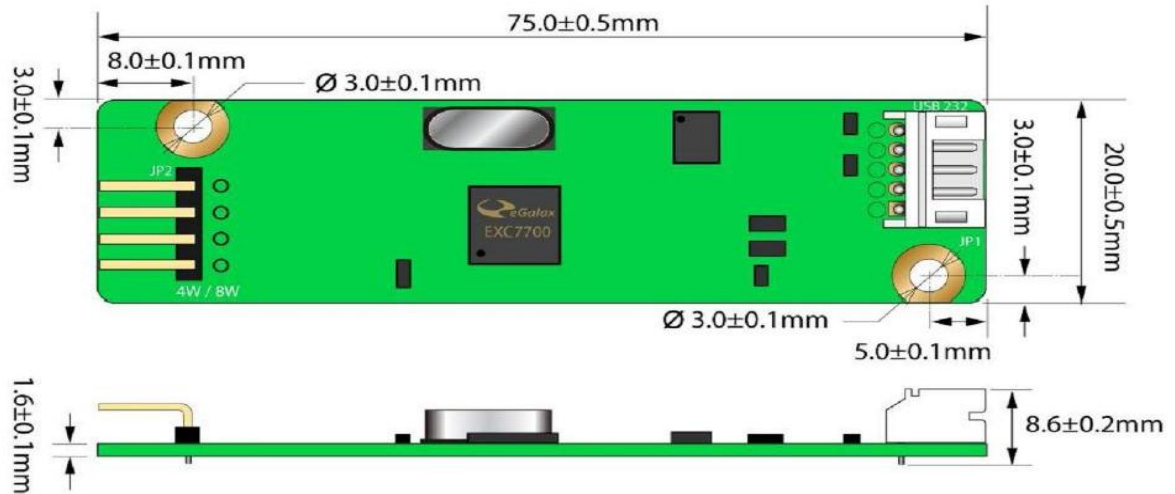
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\* The content of this specifications might change without a previous notice.

**ONETOUCH** launched touch control board to meet latest Restriction of Hazardous Substances (RoHS) Directive. This touch panel controller provides the optimistic performance of your analog resistive touch panels for 4-wire models. It communicates with PC system directly through RS232 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.

<b>OS</b>	<b>Version</b>	<b>Interfaces</b>
<b>Windows</b>	Windows 8, 7, Vista, XP, 2000, ME, 98 Windows CE (up to 7.0) Windows Embedded Windows XP Tablet PC edition	RS232/USB
<b>Windows</b>	Windows NT4, 95	RS232
<b>Linux</b>	Supports Kernel 2.4.x / 2.6.x / 3.x with XFree86 4.x / xorg (up to X server 1.11.x). Supports most of the Linux distribution 32/64 bit versions, Including: CentOS, Debian, Fedora, Gentoo, Mandrake(Mandriva), Moblin(Meego), Red Hat, Ubuntu, Slackware, SuSE(openSuSE) etc.	RS232/USB
	Android (up to 4.x)	RS232/USB
<b>DOS</b>	DOS 6.22	RS232
<b>Mac</b>	Mac OS9, Mac OS X (Power PC, Intel CPU)	USB
<b>QNX</b>	QNX RTOS v6.3	RS232/USB

## Controller:



## Specifications:

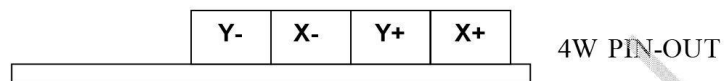
<b>4 Wire RS232 Type Controller</b>	
Circuit Board Dimension	20mm x 75mm (0.79inches x 2.95inches)
Power Requirements	D.C.+5V (100mA typical,50mV peak to peak maximum ripple and noise)
Operating Temperature	-25 to 85 °C
Storage Temperature	-25 to 85 °C
Relative Humidity	95% at 60 °C, RH Non-condensing
Interface	Bi-directional RS-232 serial communication
Protocol	No parity,8 data bits,1 stop bit,9600 baud(N,8,1,9600)
Resolution	2048×2048 resolution
Report rate	RS232: Max. 180 point/sec
Response time	Max. 20 ms
Attached Cable	RS232: 180cm shielded cable with 9-pin D-sub connector
Regulatory Approvals	FCC-B , CE
EMI	Unaffected by environmental EMI
Panel resistance	4 wire resistive model: 200 ~ 900 ohm (Pin to pin on same layer, Touch Resistance under 3k ohm)
Green Product	RoHS Compliant
MTBF	200,000 hrs

**Product Package:**

- (1) ETP-MB-MER4040RPBG ( 4 wire control board)
- (2) ETP-CB-SXR00 (RS232 cable)
- (4) ETP-CB-5XN00 (4 pin Flat cable)

*Controller Panel Pin Assignment:*

**For 4-Wire Resistive Touch Panel**



*Controller Wafer Pin Assignment:*

