



禾瑞亞科技股份有限公司
eGalax_eMPIA Technology Inc.

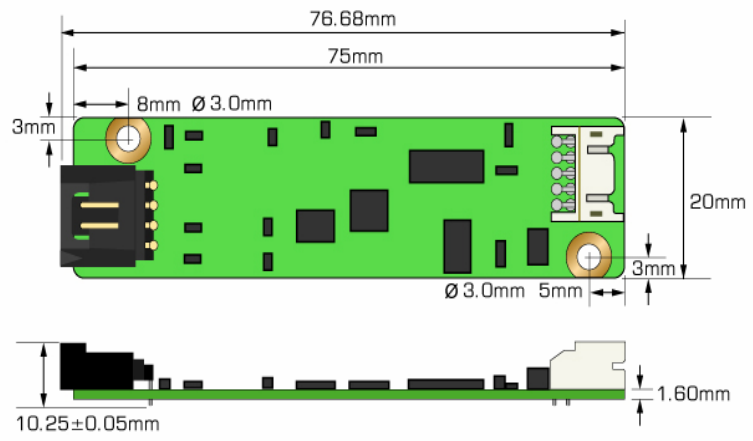
4-wire Touch Panel Controller

eGalax_eMPIA 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 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 Vista, XP/2000, 9x/ME Windows CE 2.12/3.0/.net/5.0 Windows Embedded Windows XP Tablet PC edition	RS232/USB/ PS2
Windows	Windows NT4	RS232/PS2
Linux	Mandrake (Mandrake 9.1/9.2/10, Mandriva 2005, Mandriva 2006), Red Hat (7.3/8.0/9.0), Fedora (Core I/II/III/IV/V), Yellow Dog (3.X) , SuSE (9.2/9.3/10/10.1), Ubuntu (5.1/6.06), Debian (3.1, Kernel 2.4.x/2.6.x)	RS232/USB/ PS2 (up to Kernel 2.6.x)
DOS	DOS	RS232/PS2
Mac	Mac OS, Mac OS X (IBM, intel CPU)	USB
QNX	QNX RTOS v6.3	RS232

ETP-S4000CGG-02

Controller:



ETP-S4000CGG-02

Specifications:

4 Wire Type Controller

Circuit Board Dimension	20mm x 76.68mm (0.79inches x 3.019inches)--(4-Wire)
Power Requirements	D.C.+5V (Maximum 50mA, 50mV peak to peak maximum ripple and noise)
Operating Temperature	0 to 50 °C
Storage Temperature	-40 to 80 °C
Relative Humidity	95% at 60 °C
Interface	Bi-directional RS-232 serial communication USB: 1.1 Low Speed, 2.0 Full Speed
Protocol	No parity,8 data bits,1 stop bit,9600 baud(N,8,1,9600)
Resolution	2048×2048 resolution
Report rate	RS232: Max. 200 points/sec USB: Max. 250 points/sec
Response time	Max. 20 ms
Attached Cable	RS232: 6' shielded cable with 9-pin D-sub connector USB: 6' shielded cable with USB-A connector for USB port
Regulatory Approvals	FCC-B , CE, Unaffected by EMI from other nearly CRTs and other display devices
EMI	Unaffected by environmental EMI
Panel resistance	4 wire resistive model: 200 ~ 900 ohm

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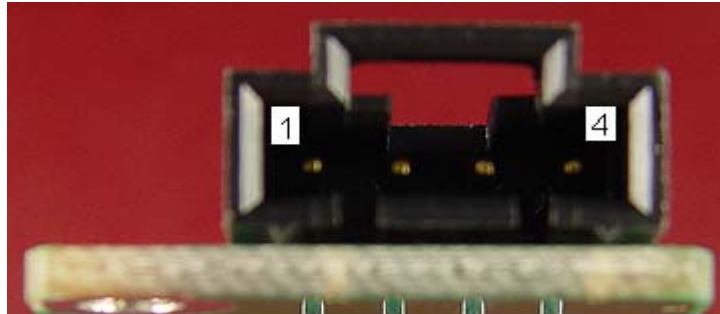
Product Package:

- (1) ETP-MB-S4000CAGG (4 wire control board)
- (2) ETP-CB-SXC00 (Y cable)
- (3) ETP-CB-SXR00 (RS232 cable) OR
ETP-CB-SXU00 (USB cable)
- (4) ETP-CB-4XN00 (4 pin Flat cable)

Controller Panel Pin Assignment:

Y-
X-
Y+
X+

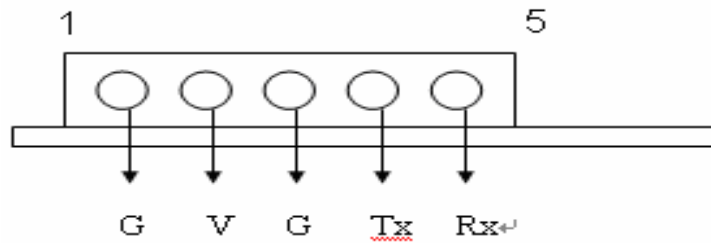
Y-	X-	Y+	X+
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ETP-S4000CGG-02

Controller Wafer Pin Assignment:

RS232 Interface



USB Interface

