

eGalax provides a full range of controllers for both analog resistive and capacitive touch panels. The controller communicates with the **PC system** directly through RS232, PS/2 or USB port. The design is optimized for an accurate, sensitive and quick touch performance as well as an ease of use interface. The driver emulates the mouse functions, and supports a set of operating systems, i.e. Windows 98, Windows NT4, Windows 2000, Windows Me, Windows XP / XP Tablet PC Edition, DOS, iMac, RedHat / Mandrake Linux and Windows CE.



## Specifications and Features

Specifications for Touchkit controller.

Specifications	
Power requirements	+5VDC ( Maximum 100mA, typical 70mA,50mV peak to peak maximum ripple )
Operating temperature	0 to 50 °C
Storage Temperature	-40 to 80 °C
Relative Humidity	95% at 60 °C
Protocol	RS232 Model: 9600 bauds, None parity, 8 data bits, 1 stop bit USB Model : USB 1.1 Low speed PS/2 Model : PS/2 mouse
Resolution	2048 X 2048
Report rate	RS232 Model: Max. 160 points/sec USB Model: Max. 160 points/sec PS/2 Model: Max. 140 points/sec
Response time	Resistive : Max. 35 ms

	Capacitive : Max. 200 ms
Pin out definition	4 wire model: X, Y, X, Y 5 wire model: UL, UR, COM, LR, LL 8 wire model: X+Ref, Y+Ref, X-Ref, Y-Ref X+, Y+, X-, Y-
Panel resistance	4 wire resistive model: 300 ~ 900 ohm ( pin to pin on the same layer ) 5 wire resistive model: 50 ~ 200 ohm ( pin to pin on drive layer ) 8 wire resistive model: 300 ~ 900 ohm ( pin to pin on the same layer )
Regulatory Approvals	FCC-B, CE

#### Features for Touchkit software

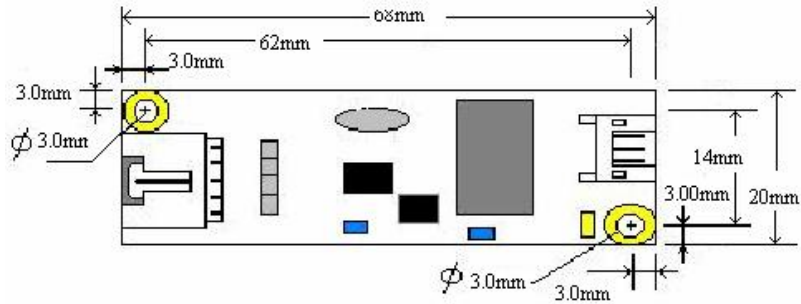
Features	
Calibration	1. Fast full oriental 4 points position 2. Support monitor / display rotation 3. Support multiple monitors
Compensation	Accuracy 25 points linearity compensation.
Draw Test	Position and linearity verification
Controller Setting	1. Support multiple controllers 2. Dynamical add/remove controllers 3. Change Controller interface without reboot.
Language	Support 8 languages for Windows
Mouse Emulator	1. Right/Left button emulation 2. Click/drawing mode
Sound Notification	1. No sound 2. Touch Down 3. Touch Up
Double Click	1. Configurable double click speed 2. Configurable double click area
OS support	1. Windows 95 / 98 / ME / NT4 / 2000 / XP / XP Tablet Edition 2. Windows CE 2.12, 3.0, .net 3. Linux ( X Window Version: 3, 4 Red Hat 6.0 ~ 8.0 Mandrake 5.0 ~ 9.0 ) 4. iMac. OS9

	<p>5. MS-DOS: Support display resolution: 320x200, 640x200, 640x350, 640x480, 800x600, 1024x768 and 1280x1024</p>
COM port support	<p>1. Support COM 1 ~ COM 256 for Windows and Linux 2. Support COM 1 ~ COM 8 for DOS</p>

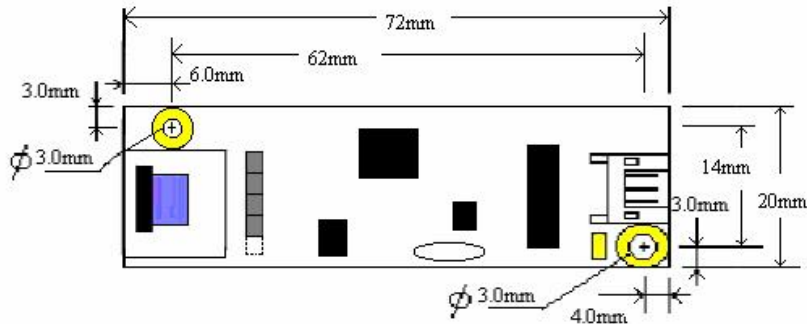
**Dimension**

**1. Resistive**

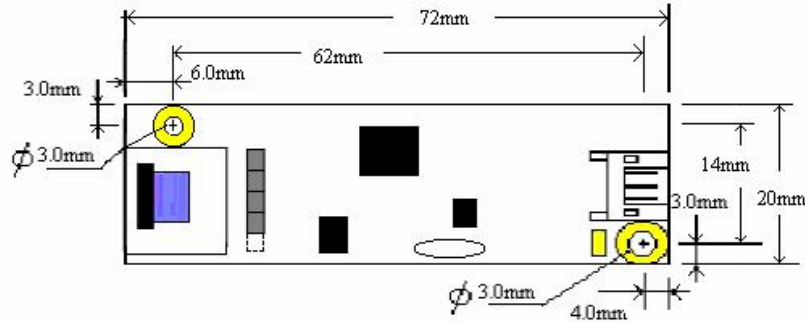
**4w / 5w USB board**



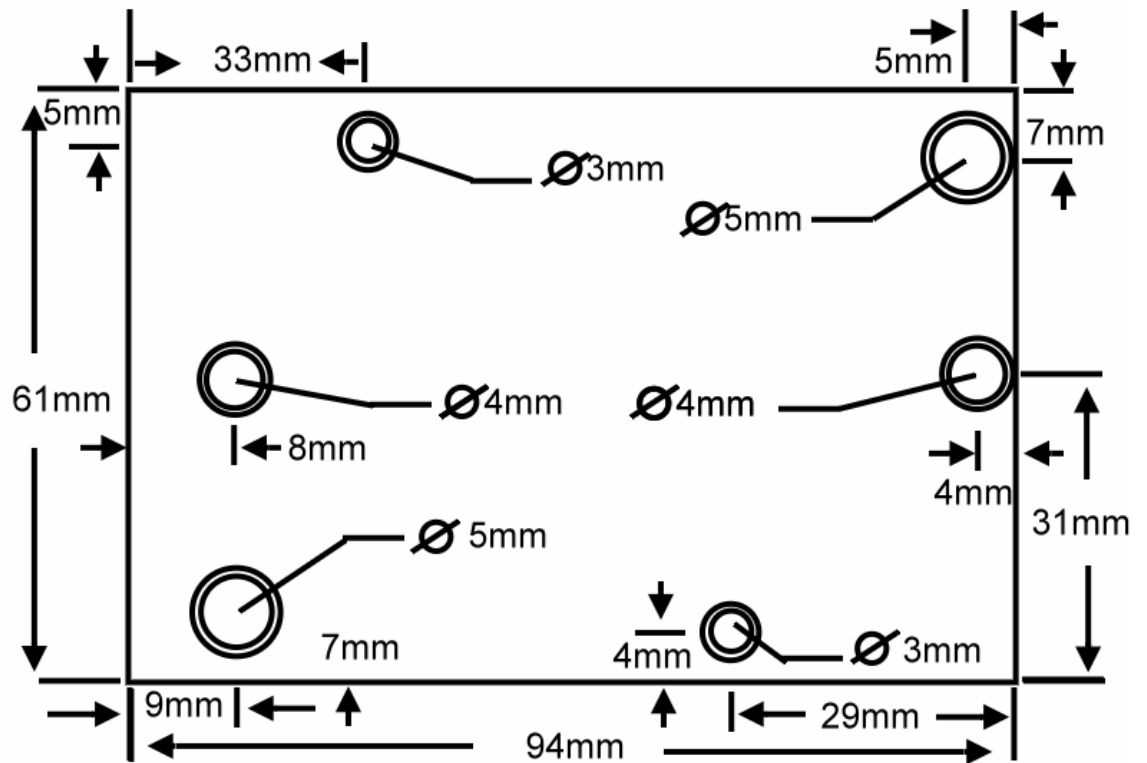
**4w / 5 w RS232 board**



## 4w / 5w PS/2 board



## 2. Capacitive



Established in June, 2000, eGalax Inc. has been developing advanced system software technologies to provide our honor customers a better and brighter future. We have a great team of engineers and management staff working together in a vision to offer professional system solutions and software services to system manufacturers and IC design companies. For more information, please visit our web site or contact our sales with email [sales@egalax.com.tw](mailto:sales@egalax.com.tw).