EPCBPCA-1

Projected Capacitive USB/IIC Touch Panel Controller

Touch control board to meet latest Restriction of Hazardous Substances (RoHS) Directive. This touch panel controller provides the optimistic performance of your projected capacitive touch panels. It communicates with PC system directly through USB/IIC 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 10 Windows 8(Need logo submission) Windows 7 Windows Vista, XP/2000 Windows CE.net/5.0/6.0/7.0 Windows Embedded Windows XP Tablet PC edition	USB/IIC
Linux	Distribution based on Kernel 2.6.24 and later. CentOS,Ubuntu/Linux,Debian,Fedora,Red Hat, Gentoo,Meego,Slackware,SUSE/openSUSE, Magaie/Mandriva/Mandrake and Yellow Dog etc. Support most 32/64 bit Linux distribution versions, including Kernel 2.4.x / 2.6.x / 3.x.x / 4.x.x	USB/IIC
	Android 2.3 ~ later	USB/IIC
Мас	Mac OS, Mac OS X (PowerPC, Intel CPU)	USB
QNX	RTOS V6.3 to V6.6	USB/IIC

Controller:





Thickness: Total thickness: 4.5mm ± 0.5mm (Including PCB: 1.0mm ± 0.2mm. USB connector: 3.5mm.)

USB/ IIC Type Controller			
Circuit Board Dimension	35mm x 60mm		
Channels of Panel	Max. Tx:34 Rx:44 channels (include shielding pin)		
Input Voltage	3.5V~5.5V.Typical 5V.		
Operating Temperature	-40 to 85 °C		
Storage Temperature	-40 to 90 °C		
Relative Humidity	95% at 60 °C, RH Non-condensing		
Linearity(Note 1)	Line drawing accuracy : 1pt±1mm offset /10mm Touch (point) accuracy : 1pt±1mm Refer to Windows 8 Logo regulation		
Interface	USB: 1.1 Full Speed		
Resolution	4096x4096 resolution		
Power consumption(mA)	Active Mode: < 100mA Idle Mode : < 50mA		
Report rate(points/sec) (Note 2)	>100 Hz		
Response time	Average < 25 ms		

Specifications:

Note 1: Channel pitch should be design 4.8mm (Win8)
Note 2: Report rate will vary by channel number, cover thickness and other parameters.