



### **RoHS Compliance**

PenMount 6500C has collectively integrated features and functions of auto detecting USB and RS232 serial interfaces supporting 4, 8-wire or 5-wire resistive touch screens; complemented by the superbly developed PenMount drivers with auto installation driver capability. PenMount 6500C control board uses PenMount 6010 controller that has been designed for those who may like all-in-one solution with 12bit A/D converter built-in to make the total printed circuit board denser. There are three connectors on this board, one connector is for 4, 8-wire or 5-wire touch screen cable, and another is for 4-pin USB A type cable, the third is for RS232 cable.

### **Specifications:**

For 4, 8-wire or 5-wire analog resistive type		
USB Full-speed, 12Mbps		
RS232 19200 baud rate,PnP mode		
PenMount 6010 controller IC		
4096X4906 (Maximum)		
60x26 mm, two 3φ screw holes		
< 1% (Active Area Diagonal of touch screen with		
PenMount Advanced calibration utility support)		
50~1.3K ohm		
LED on board		
+5V DC		
Air Discharge 15KV,		
Contact Discharge 8KV		
-40 °C ~ 85 °C		
-20°C ~ 85 °C		
Standby Mode : 9 mA ; Active Mode : 52mA		
(VCC=+5V, Touch Panel Resistance: 95 ohm)		
Note. Actual current will be different by touch panel's resistance.		



### **Driver Software:**

## RS232 interface:

DOS

Windows 2000/ XP/ XPE/ 2003/ 2008/ Vista/ 7 /8 /10 /11

WinCE 4.2/5.0/6.0/7.0

Linux (Kernel 2.6 and X-Window mode)

QNX 6.2/ 6.3/ 6.4/ 6.5

### **USB** interface:

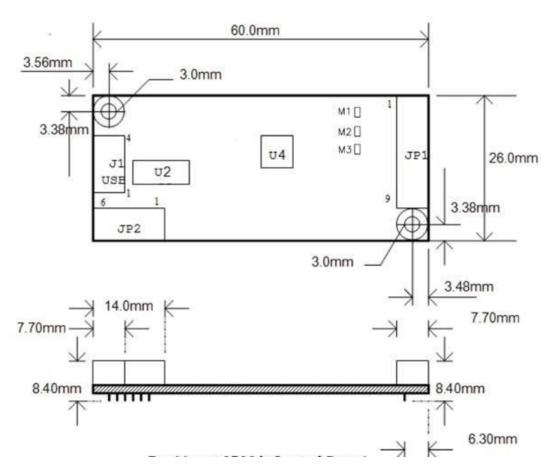
Windows 2000/ XP/ XPE/ 2003/ 2008/ Vista/ 7 /8 /10 /11

WinCE 4.2/5.0/6.0/7.0

Linux OS (Kernel 2.6 and X-Window mode)

QNX 6.4.1/6.5 (Inbox support)

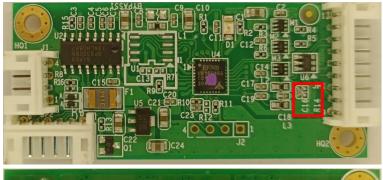
**Mechanical Size**: PM6500C5 and PM6500C8 are the same mechanical size.



Website: <a href="http://www.penmount.com">http://www.penmount.com</a>
E-mail: <a href="mailto:penmount@seed.net.tw">penmount@seed.net.tw</a>

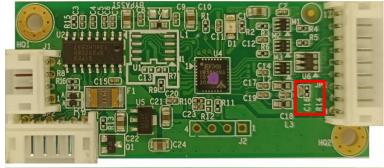


PM6500C5 supports 5 wires touch panel, R14 is not mounted in the circuit.





PM6500C8 supports 4/8 wires touch panel, R14 is mounted in the circuit.







### **Connector Definition**

#### J1 USB Connector:

GND	
D-	

#### JP2 RS232 Connector:

PIN1	Ground		
PIN2	+5V DC		
PIN3	RTS		
PIN4	TXD		
PIN5	RXD		
PIN6	Ground		

#### JP1 Touch Screen Lines:

	PM65	PM6500C5	
	8-Wire	4-Wire	5-Wire
PIN1	Ground	Ground	Ground
PIN2	Top Excite	Тор	UL (Y)
PIN3	Bottom Excite	Bottom	UR (H)
PIN4	Left Excite	Left	LL (L)
PIN5	Right Excite	Right	LR (X)
PIN6	Top Sense		Sense (S)
PIN7	Bottom Sense		
PIN8	Left Sense		
PIN9	Right Sense		

### The available PM6500C control board:

-- PM6500C8: 4 \ 8 - wire , RS232 & USB COMBO Interface •

-- PM6500C5: 5 - wire , RS232 & USB COMBO Interface •