Model: UT-764I

(Product Name：PCI to 4-port RS-232 opto-isolated high-speed serial card)

Datasheet

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1. Overview

The UT-764i opto-isolated PCI converter card, compatible with RS-232C standard, is capable of converting single-ended PCI signals to RS-232 signals with a built-in opto-isolator, capable of providing isolation voltages up to 2500Vrms, with a fast transient voltage suppressor protector, which is designed to protect the RS-232 interface with today's advanced TVS (Transient Voltage Suppressor) transient voltage suppressor, under normal conditions, the TVS tube is a high resistance state, when the TVS tube is subjected to an instantaneous high-voltage shock at both ends, it can reduce the impedance at both ends at a high rate, absorbing a large current, so that the voltage at both ends is clamped at a predetermined value, protecting the circuit components behind it from damage due to transient High-voltage shock and damage. This protector can effectively suppress lightning and ESD, providing 500W of lightning surge protection power per line, as well as surge voltages and transient over-voltages generated by various causes on the line, and the extremely small inter-pole capacitance ensures high-speed transmission of the RS-232 interface.

2. Major Functions & Features

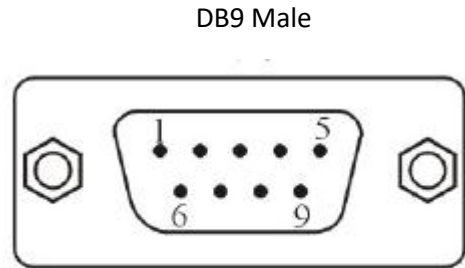- Support PCI to 4-port RS-232 opto-isolated high-speed serial card

3. Technical Parameters

- Hardware Interface
  Connection Type: 1 DR44 Female
  BUS: 32 bit Universal PCI
- Signal: RS-232: RXD, TXD, GND, RTS, CTS
- Transmission rate: 300bps-921.6kbps
- Data bits: 5, 6, 7, 8
- Stop bits: 1, 1.5, 2
- Parity bits: None, Even, odd, space, Mark
- Stream control: RTS/CTS XON/XOFF
- Operating temperature: -40～85°C
- Support system: Win2000/2003/XP/Vista/2003_Server/Win7/8/8.1/10/NT4.0/CE 4.2/5.0/6.0/Vxworks/ Linux 2.4.x/2.6.x

4. Interface Definition

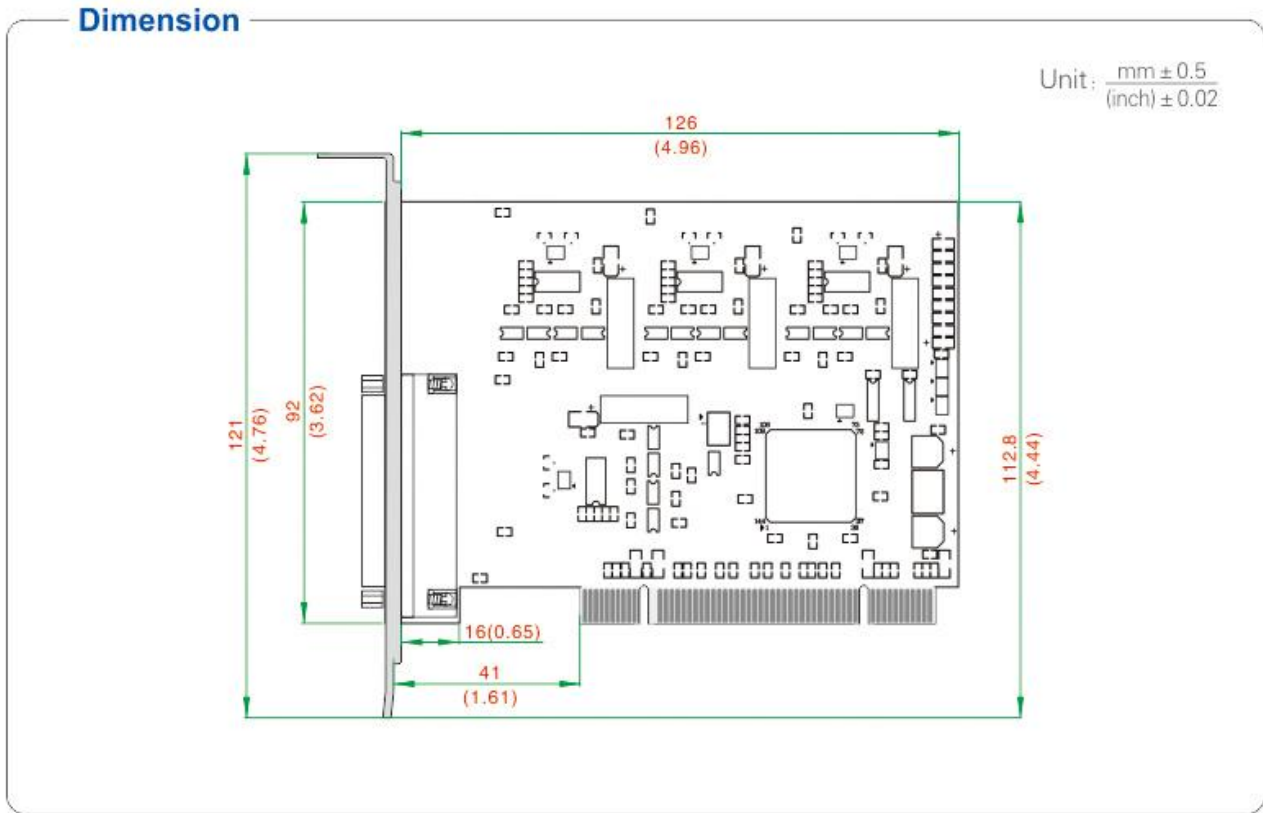● DB9 pin: RS-232C output signal pin assignment (Port1-Port4)

DB9 Male(PIN)	RS-232C interface signal
1	N/C
2	Receive data SIN (RXD)
3	Transmit data SOUT (TXD)
4	N/C
5	GND
6	N/C
7	RTS
8	CTS
9	N/C

DB9 Male

5. Product View (Appearance)

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6. Structure dimensions

7. Ordering

Model	Signal/ Interface		Port number		Protection level	Baud rate	Operating Environment			Power	
							Temperature		Humidity		
	PCI	RS-232	PCI	RS-232	RS-232		-25~70℃	-40~85℃	5~95%	plug and play	External power
UT-764I	Universal	DR44	1	4	± 15KV ESD 600W Surge	300bps-921.6 kbps		√	√	√	