Model: UT-732i

(Product Name：PCI to 2 Ports RS-485/422 High Speed Serial Adapter with Isolation)

Datasheet

1. Overview

UT-732i PCI multiport serial adapter with optoelectronic isolation is compatible with RS-422/485 standard; it converts PCI signal to balanced differential RS-422/485 signal. With built-in optoelectronic isolator, it provides as high as 2,500Vrms isolated voltage. This device is with lightning and ESD protection, provides 2,000V each wire with lightning surge protection, and surge voltage and transient overvoltage protection on circuit which causing by all reasons; the tiny inter-electrode capacitance ensures high speed transmission for RS-422/485 ports.

2. Major Functions & Features

- Supports PCI to 2 Ports RS-485/422 High Speed Serial Adapter with Isolation

3. Technical Parameters

- Connector: DR44 x 1
- BUS: 32 bits universal PCI
- Signal
    RS-422: T/R+, T/R-, RXD+, RXD-, GND
    RS-485: Data+(A)   Data-(B) GND
- Baud rate: 300bps-921.6Kbps
- Digit bit: 5, 6, 7, 8
- Stop bit: 1, 1.5, 2
- Check bit: None, Even, odd, Space, Mark
- Flow control: RTS/CTS   XON/XOFF
- Operating temperature: -40℃ to 85℃
- Isolation: 2.5KVrms/500VDC enhanced isolation, special DC/DC module
- Port protection: RS-422 & RS-485 provides with 600W surge, ±15KV ESD protection each line
- Transmission distance: RS-485/422 1.2Km
- Supports Win2000/2003/XP/Vista/7/8/8.1/NT4.0/CE 4.2/5.0/6.0/Vxworks/Linux 2.4.x/2.6.x

4. Hardware Definition and Initial Setup
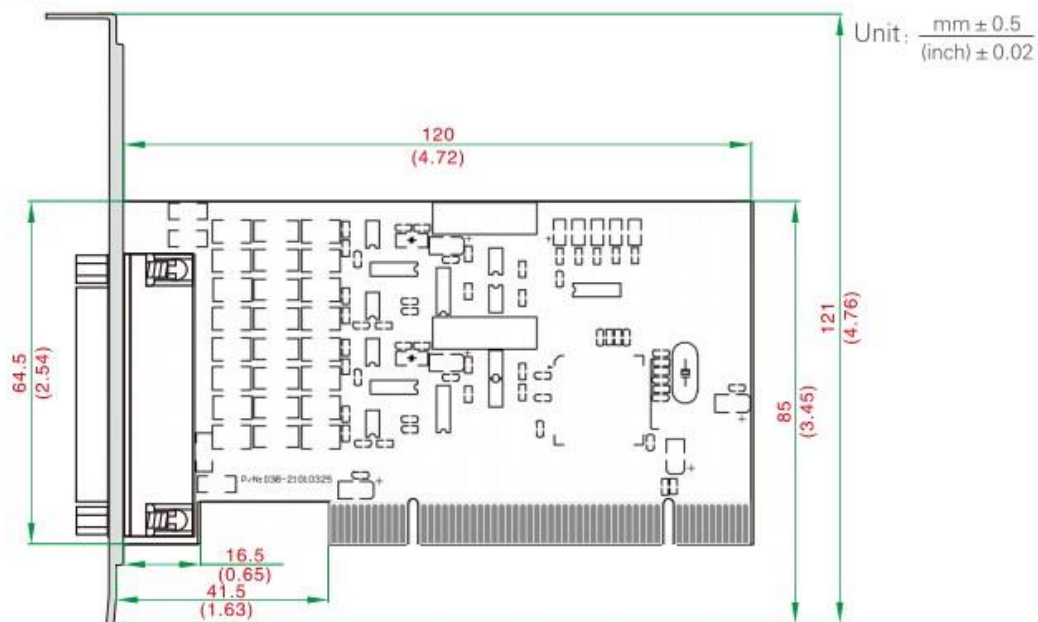
RS-485/RS-422 output signal pin assignment

DB9 Male(PIN)	Output signal	RS-422 Full-duplex	RS-485 Half-duplex
1	T/R+	Sending(A+)	RS-485(A+)
2	T/R-	Sending(B-)	RS-485(B-)
3	RXD+	Receive(A+)	-
4	RXD-	Receive(B-)	-
5	GND	GND	GND
6	N/C	-	-
7	N/C	-	-
8	N/C	-	-
9	N/C	-	-

5. Product View (Appearance)

6. Structure dimensions

Dimension

7. Ordering

Model	Signal/Port		Port qty		Protection	Baudrate	Environment			Power	
	PCI	RS–485/422	PCI	RS–485/422	RS–485/422		Temperature		Humidity		
							-25/70℃	-40/85℃	5–95%	Port-Powered	External Power
UT–732i	Universal	DR44	1	2	± 15KV ESD 2KV Surge	300bps~921.6Kbps		✓	✓	✓	