

Transduction

TR-422-IS

TR-422-IS PCI Isolated Card



Inexpensive & Easy way to add extra isolated RS422/485 serial ports!

- ▶ Short-size PCI bus card
- ▶ One DIP switch to assign board & COM number - no problems to assign COM number for each card, up to 4 cards can be installed in one system
- ▶ IRQ & I/O mapping automatically assigned by PCI plug & play function
- ▶ Individual isolation of each RS422/485 port
- ▶ Optional snubber protection on each port
- ▶ Data direction auto control function in RS485 interface
- ▶ For DOS, Windows NT, WIN95/98/Me/2000/XP, Linux and SCO Openserver
- ▶ Readily available from stock
- ▶ 2 years warranty

TRANSDUCTION 5155 Spectrum Way, Bldg 23, Mississauga, ON L4W 5A1
1.800.268.0427 905.625.1907 Fax: 905.625.0531
www.transduction.com Email: sales@transduction.com

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Serial Communication Controller

- ▶ *Type:* 16550A compatible with PGA support
- ▶ *Baud rate at each port:*
 - up to 115.2 KBps for 1.8432 MHz crystal
 - up to 921.6 KBps for 14.7456 MHz crystal

Hardware Compatibility

- ▶ 5V PCI bus slot

Software Compatibility

- ▶ MS-DOS
- ▶ Windows 2000/XP
- ▶ Windows NT
- ▶ Windows 95/98/ME
- ▶ Linux
- ▶ SCO Openserver

System I/O & IRQ Mapping

- ▶ One 32byte I/O mapping assigned by PCI BIOS
- ▶ One IRQ mapping assigned by PCI BIOS

Port Capability

- ▶ *Number of ports:* 2 ports per card
- ▶ *Interface:* RS422/RS485

NOTE: Each port can be assigned to RS422 or RS485 by DIP Switch

- ▶ *Isolation voltage of each port:* 500VDC (same as isolation of a typical 10base2 ethernet port)

Snubber protection: 5V, 600W (we use SMJ-5.0CA transient voltage suppressors)

- ▶ *Connector Type:* DB9 male connector

Dimensions

- ▶ *TR-422-IS Card:* 125 x 99 mm

Environment

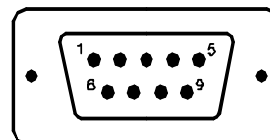
- ▶ *Operating Temperature:* 0°C to 55°C
- ▶ *Storage Temperature:* 0°C to 65°C
- ▶ *Operating Humidity:* 10% to 95% RH
- ▶ *Storage Humidity:* 5% to 95% RH

Order Information

- ▶ RS422/485 interface with isolation - **Model TR-422-I US\$185**

RS422/485 interface with isolation and surge protection - **Model TR-422-IS US\$225**

DB-9 RS422/485 PORT A & B PINOUT



PIN1,7,8,9	N/C
PIN2	RXD+(IN)
PIN3	TXD+(OUT)
PIN4	TXD-(OUT)
PIN5	GND
PIN6	RXD-(IN)