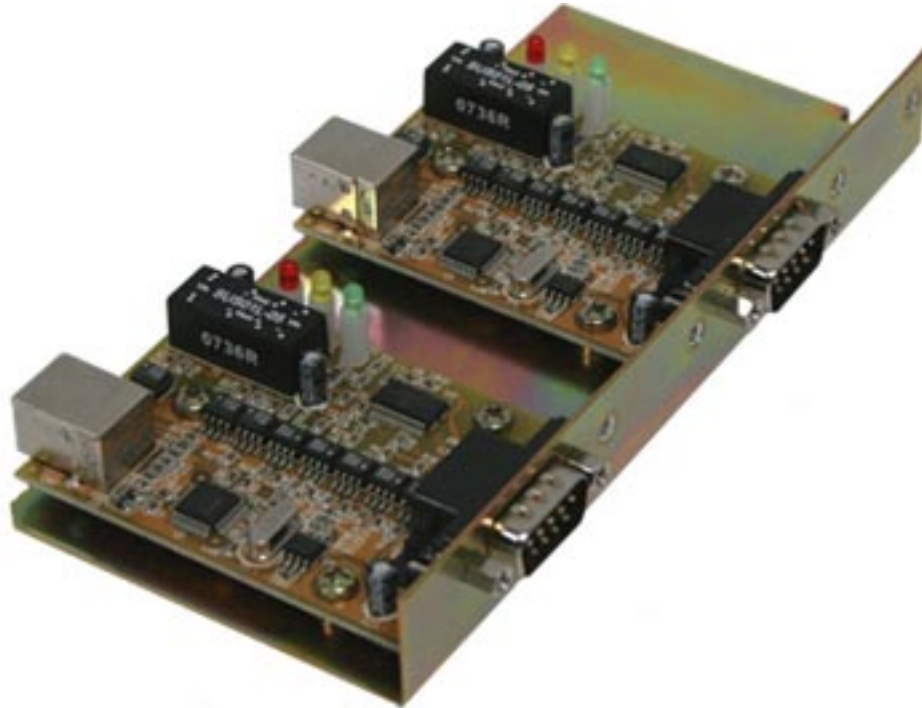


# Transduction

## Serial Port w/ 25KV Surge Protection

### TR-USB-COMi-SI-M

TR-USB-COMi-SI-M RS-422/485 Isolated Serial Port



#### Features

- ▶ Add 2 high speed RS-422 or RS-485 isolated serial ports via USB connection.
- ▶ Installed as standard Windows COM ports.
- ▶ 384-byte receive buffer, 128-byte transmit buffer.
- ▶ 2KV DC optical isolation protection.
- ▶ Serial connector - DB-9 male.
- ▶ Protected by surge protection to withstand electrostatic discharge and power surges up to 25KV ESD.
- ▶ RS-422 Data signals - Tx-, Tx+, Rx+, Rx-, GND, RTS-, RTS+, CTS+ and CTS-.
- ▶ RS-485 Data signals - 4-wire: Tx-, Tx+, Rx+ and RX-. 2-wire: data- and data+.
- ▶ Easy plug and play installation.
- ▶ 5 year warranty.

# Transduction

## Serial Port w/ 25 KV Surge Protection

### TR-USB-COMi-SI-M

TR-USB-COMi-SI-M RS-422/485 Isolated Serial Port

#### Specification

##### Model

- ▶ TR-USB-COMi-SI-M

##### Connector

- ▶ Serial DB-9 male

##### Buffer Speed

- ▶ Transmit - 128-byte
- ▶ Receive - 384-byte

##### Buffer Control

- ▶ Automatic transmit buffer control for 2-wire RS-485 half-duplex operation

##### Port Speed

- ▶ Up to 230K bps

##### Isolation

- ▶ 2KV DC optical isolation protection

##### Surge Protection

- ▶ 25KV ESD surge protection

##### LED's

- ▶ Power, TxD and RxD indicating power and port status

##### RS/422/485 Mode Setting

- ▶ 1 x external DIP switch for easy RS-422, RS-485 mode setting
- ▶ RS-422 mode - 4-wire with handshaking ON, ON, OFF, OFF
- ▶ RS-485 mode - 4-wire full duplex ON, OFF, OFF, OFF, OFF
- ▶ RS-485 mode - 2-wire half duplex with echo OFF, OFF, OFF, ON
- ▶ RS-485 mode - 2-wire half duplex without echo OFF, OFF, ON, ON

#### Serial Communication Parameters

- ▶ Parity - none, even, odd
- ▶ Data bits - 7, 8
- ▶ Flow control - RTS/CTS

#### Resistance

- ▶ Built-in 120 Ohm termination resistors for Tx/Rx/CTS termination
- ▶ Built-in 750 Ohm biasing resistor for Tx/Rx biasing

#### COM Port

- ▶ COM1 ~ COM4 can be changed to support HyperTerminal, or any other COM port number

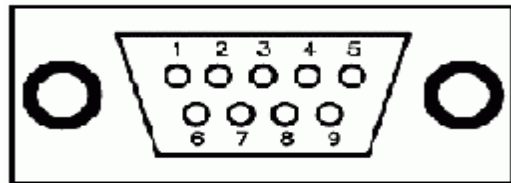
#### Power Requirement

- ▶ USB 1.1 or USB 2.0 port

#### Warranty: 5 years

Compatible with all versions of Windows XP, 2003, 2000, ME and 9x

#### RS-422/485 Connectors



Pin 1	TxD-(A)
Pin 2	TxD+(B)
Pin 3	RxD+(B)
Pin 4	RxD-(A)
Pin 5	GND
Pin 6	RTS-(A)
Pin 7	RTS+(B)
Pin 8	CTS+(B)
Pin 9	CTS-(A)