

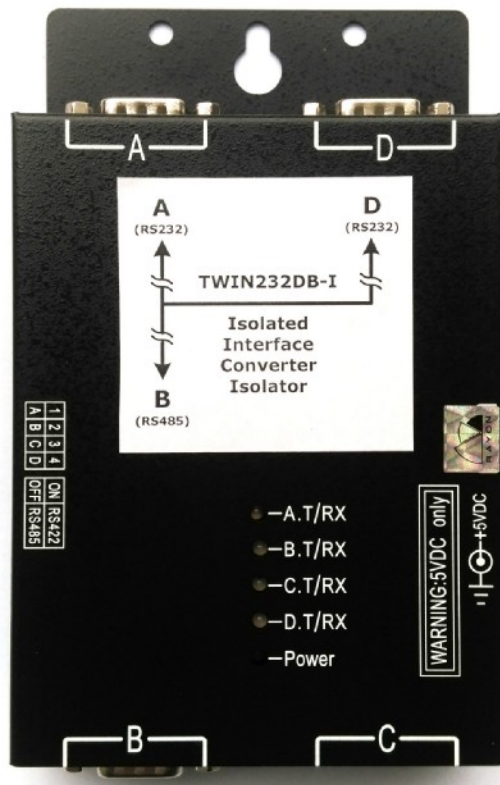
# **TWIN232DB-I**

RS232 to RS232/RS422/RS485 Converter and Isolator

One Box to meet both requirement

**Safety for local and remote connection**

**Powerful and Flexible for serial device**



- ★ One set RS232 to RS232 isolator for local connection.
- ★ One set RS232 to RS422 converter for remote connection.
- ★ One set RS232 to RS485 converter for multi-drop connection.
- ★ Fully Ground Isolated Function between each port.
- ★ One master RS232 port to slave RS232 port and RS485 port.
- ★ Auto Data Direction Control on RS485
- ★ All function and Feature set by DIP switch
- ★ data transmission LED indicator in each port.

## **TWIN232DB-I specifications:**

### **Master RS232 interface: (port A)**

- ◆ Connector type: DB9 Male connector.
- ◆ Signal pin definition: DTE type .

*NOTE : The Ground pin for Common RS232 connector is isolated ground with power input from DC power adapter and other connector*

*NOTE: master received data will re-transmit in all slave port. Any received data in slave port will re-transmit in master port..*

### **Slave RS232 interface : (port D)**

- ◆ Connector type: DB9 Male connector.
- ◆ Signal pin definition: DTE type.

*NOTE: The Ground pin for Isolated RS232 connector is isolated ground with other connector.*

### **Slave RS422/485 interface: (port B)**

Connector type: DB9 Male connector.

NOTE: RS422 or RS485 interface type set by DIP switch bit 2. Other bit is useless.

NOTE: each port with 5 signal pin TX+ , TX- , RX+ , RX- , isolated GND.

*NOTE: In RS485 interface type support Auto-Data-Direction-Control feature. Pin 2 and pin3 is shorted as Data+ signal. Pin4 and pin6 is shorted as Data- signal.*

*NOTE: In RS485 mode user can use TB485 module to support 3 wire terminal block connection..*

### **LED indicator :**

- ◆ Power: DC power input ON indicator.
- ◆ AT/RX : RS232 port A TX/RX signal activity..
- ◆ BT/RX : RS485 port B TX/RX signal activity..
- ◆ CT/RX : No use here..
- ◆ DT/RX : RS232 port D TX/RX signal activity..

### **Accessories : (option)**

- ◆ A101 cable : 6 feet DB9 female to DB9 female NULL MODEM cable for PC COM port connection.

### **Dimension :**

- ◆ TWIN232DB-I box : 90mm (W) \* 150mm (L) \* 27mm(H)

### **Power input :**

- ◆ UP110/UP220 US/EU type power adaptor.
  - ◆ 100--240 VAC input. 5VDC 1000mA output.
- Current consumption: 400mA @ 5VDC

### **Environment :**

- ◆ operating temperature : 0°C to 55°C .
- ◆ operating humidity : 0% to 95% RH.
- ◆ storage temperature : 0°C to 65°C .
- ◆ storage humidity : 5% to 95% RH.

## **Performance upgrade capability and relative products.**

- ▲ TWIN485 box: two port ground isolated RS232 to RS422/485 converter with RS422 repeater and RS485 bridge function.
- ▲ UP422I PCI PORT card : each card support two Ground isolated RS422/485 ports.
- ▲ UP485I PCI PORT card : each card support four Ground isolated RS422/485 ports.
- ▲ RS4232-4 box : 4 RS232 to Ground isolated RS232/422/485 converter box.
- ▲ RS4232-8 box : 8 RS232 to Ground isolated RS422/485 converter box.

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