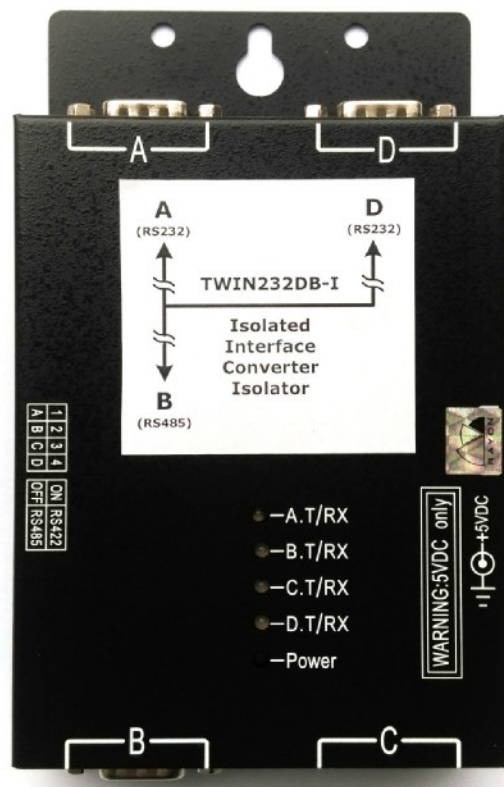# TWIN232DB-I

RS232 to RS232 and 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 **triple 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 support3 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℃ to 55℃.
◆ operating humidity : 0% to 95% RH.
◆ storage temperature : 0℃ to 65℃.
◆ storage humidity : 5% to 95% RH.

Performance upgrade capability and relative products.

▲ TWIN485 box: two sets ground isolated RS232 to RS422/485 converter with RS422 repeater and RS485 bridge function.

▲ UP422I PCIPORT card：each card support two Ground isolated RS422/485 ports.

▲ UP485I PCIPORT card：each card support four Ground isolated RS422/485 ports.

▲ RS4232-4 box：4 sets RS232 to Ground isolated RS232/422/485 converter box.

▲ RS4232-8 box：8 sets RS232 to Ground isolated RS422/485 converter box.

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