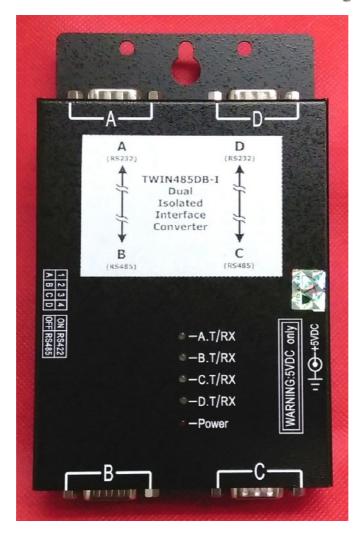# TWIN485DB-I

DUAL

RS232 to Ground Isolated RS422/485 Converter.

Powerful and Flexible for redundancy usage

★ **Two set RS232 to RS485 converter**

★ **Two set RS232 to RS422 converter**

★ **Port A(RS232) convert to Port B(RS422/RS485)**

★ **Port D(RS232) convert to Port C(RS422/RS485)**

★ **Fully Ground Isolated Function in RS232 connector to core logic.**

★ **Fully Ground Isolated Function in RS485 connector to core logic.**

★ **Auto Data Direction Control on RS485**

★ **Full-duplex RS422 or Half-Duplex RS485 interface set by DIP switch**

★ **Each connector with data transmission LED indicator**

TWIN485DB-I specifications :

RS232 interface :
◆Connector type : DB9 male connector.
◆Number of ports : 2
 NOTE：port A is RS232 to convert RS485 in port B.
 NOTE：port D is RS232 to convert RS485 in port C..

Interface type setting :
◆Use one 4 bit DIP switch to set for RS422 (ON) or RS485 (OFF) interface. Bit 1 is for port A(no use here), bit 2 for port B, bit 3 for port C, bit4 for port D(no use here).
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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.

RS422/485 interface :
◆Connector type : DB9 male connector.
◆Number of ports : 2
 NOTE：RS422 or RS485 interface type set by DIP switch.
 NOTE：each port with isolated signal ground.
 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.

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** : RS485 port C TX/RX signal activity.
◆**DT/RX** : RS232 port D TX/RX signal activity.

Accessories   Option:
◆A101 cable : 6 feet DB9 female to DB9 female for PC COM port connection.

Dimension :
◆TWIN485DB-I box :
 90mm (W) * 150mm (L) * 27mm(H)

Performance upgrade capability and relative products.

▲ UCON301-I box：one port ground isolated RS232/RS422/RS485 to RS422/485 converter.
▲ 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 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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