

UCON422DB-IW

Support one **RS422/485** input to

RS422/485 output **Repeater & Bridge**

Major in **RS422/RS485** application environment

Double barrier Isolated

Triple way isolation to break any Ground loop.



- ★ Support data transmission LED display for each port
- ★ Easy to set as full-duplex RS422 or half-duplex RS485 interface via DIP switch.
- ★ Input to output connector with double barrier Isolation feature.
- ★ Can be used as **RS422 to isolated RS422 repeater.**
- ★ Can be used as **RS485 to isolated RS485 bridge.**
- ★ Can be used as **RS422 to isolated RS485 interface converter.**

UCON422DB-IW specifications :

Serial1 interface :

- ◆ Connector type: DB9 male connector.
- ◆ Can be set to RS422 or RS485 via DIP switch.
NOTE: Serial1 port is isolated signal ground with VDC power input.

Serial2 interface:

- ◆ Connector type: DB9 male connector.
- ◆ Ground isolated RS422/RS485.
NOTE: RS422 or RS485 interface type set by DIP switch.
NOTE: Serial2 port is isolated signal ground with VDC power input.
NOTE: each port with 5 signal pin TX+ , TX- , RX+ , RX- , isolated GND
NOTE: In RS485 interface type TX+ and RX+ short as Data+ signal , TX- and RX- short as Data- signal. User can use TB485 module to exchange DB9 connector to 3 pin terminal block connector.

Power input :

- ◆ 9—26VDC terminal block.
- ◆ Current consumption: 150mA.

LED indicator :

- ◆ PWR: DC power input ON indicator.
- ◆ **Serial1**: Isolated RS422/RS485 input port1 TXD/RXD signal activity.
- ◆ **Serial2**: Isolated RS422/RS485 output port2 TXD/RXD signal activity.

Dimension :

- ◆ UCON422DB-IW box:
92mm (W) * 118mm (L) * 27mm(H)

Environment :

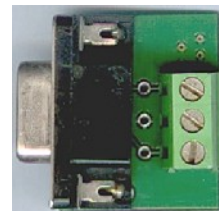
- ◆ operating temperature: 0°C to 55°C
- ◆ operating humidity : 0% to 95% RH.
- ◆ storage temperature : 0°C to 65°C .
- ◆ storage humidity : 5% to 95% RH.

Application :

RS422 to GROUND isolated RS422 repeater.
RS485 to GROUND isolated RS485 bridge.
RS422 to GROUND isolated RS485 interface converter.

Accessories :

TB485 : DB9 Female to RS485 terminal block kit.



Performance upgrade capability and relative products.

- ▲ UCON232DB-I box : Triple way Ground isolated RS232 to RS232 isolator.
- ▲ UCON485DB-I box : Triple way Ground isolated RS232 to RS422/RS485 Interface converter.
- ▲ U2485DB-I box : Triple way Ground isolated Universal RS232 and RS422/RS485 input to RS232 and RS422/RS485 output Interface converter.

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