

# UCON422DB-I

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-I 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 power adapter 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 power adapter 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 :**

- ◆ UP110/UP220 5V power adapter.
- ◆ Current consumption: 300mA.

### **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-I box:  
92mm (W) \* 118mm (L) \* 27mm(H)

### **Environment :**

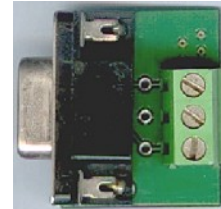
- ◆ operating temperature: 0°C to 55°C
- ◆ operating humidity : 0% to 95% RH.
- ◆ storage temperature : 0°C to 65°C .
- ◆ storage humidity : 5% to 95% RH.

### **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.

©All names are the trademarks of their respective organization.



### **RAYON TECHNOLOGY CO., LTD.**

2F, No. 177, Chung Shan 2 Rd., Lu Chou , New Taipei city, Taiwan,R.O.C.  
TEL: 886-2-82858362 FAX: 886-2-82857065  
E-Mail: [rayon@ms1.hinet.net](mailto:rayon@ms1.hinet.net) or [info@rayontech.com.tw](mailto:info@rayontech.com.tw)  
WEB: <http://www.rayontech.com.tw>