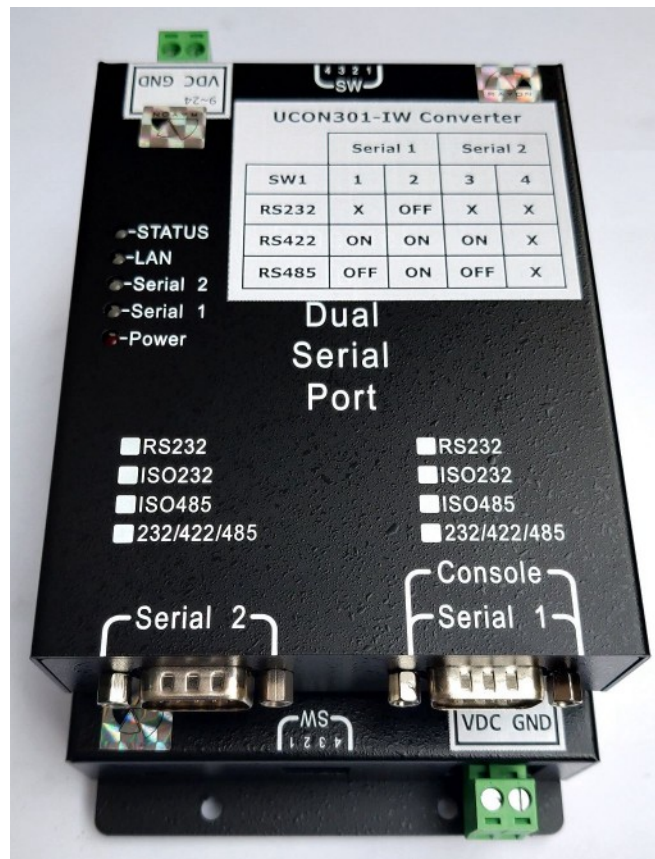


# UCON301-IW

**Support one Universal RS232/422/485 input to  
Ground isolated RS422/485 interface converter  
Major in RS422/RS485 application environment  
Powerful and Flexible**



- ★ Support data transmission LED display for each port
- ★ Support one Universal RS232/422/485 input to **Ground Isolated** RS422 or RS485 settable interface converter.
- ★ Easy to set as RS232 to isolated RS422/RS485 **interface converter**.
- ★ Easy to set as RS422 to isolated RS422 **repeater**.
- ★ Easy to set as RS485 to isolated RS485 **bridge**.
- ★ Easy to set as RS422 to isolated RS485 **interface converter**.
- ★ Support Auto Data Direction Control in RS485 interface

## ***UCON301-IW specifications :***

### **Serial1 interface :**

- ◆ Connector type: DB9 male connector.
- ◆ Can be set to RS232/RS422/RS485 via DIP switch.

*NOTE: Serial1 port is same signal ground with VDC terminal block 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 terminal block power input.*

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

*NOTE: In RS485 interface type support Auto-Data-Direction-Control feature. 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:** RS232/RS422/RS485 input port1 TXD/RXD signal activity.
- ◆ **Serial2:** Isolated RS422/485 output port2 TXD/RXD signal activity.

### **Dimension :**

- ◆ UCON301-IW box:  
92mm (W) \* 118mm (L) \* 27mm(H)

### **Environment :**

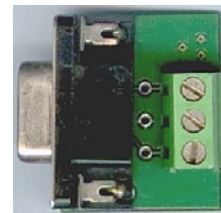
- ◆ operating temperature: 0°C to 55°C
- ◆ operating humidity : 0% to 95% RH.
- ◆ storage temperature : 0°C to 65°C .
- ◆ storage humidity : 5% to 95% RH.

### **Application :**

RS232 to full duplex Ground isolated RS422 interface converter.  
RS232 to half duplex Ground isolated RS485 interface converter.  
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.**

- ▲ TWIN485 box: two sets ground isolated RS232 to RS422/485 converter.
- ▲ ULOG301-I box: monitored universal RS232/RS422/RS485 to GROUND isolated RS422/RS485 interface converter via USB connection.

©All names are the trademarks of their respective organization.



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

2F, No. 177, Chung\_Shan 2 Rd., Lu\_Chou city, Taipei Hsien, Taiwan.

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>

WEB: <http://www.rayontech.com>