

# UCON310-I

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



- ★ Support data transmission LED display for each port
- ★ Support one Universal RS232/422/485 input to **Ground Isolated** RS232 interface converter.
- ★ Safety in RS232 application environment.
- ★ Easy to set as RS232 to GROUND isolated RS232 **isolator**.
- ★ Easy to set as RS422 to isolated RS232 **interface converter**.
- ★ Easy to set as RS485 to isolated RS232 **interface converter**.
- ★ Support Auto Data Direction Control in RS485 interface

## **UCON310-I 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 power input from power adapter.*

*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.*

### **Serial2 interface:**

- ◆ Connector type: DB9 male connector.
- ◆ Ground isolated RS232.

*NOTE: Serial2 port is isolated signal ground with power adapter.*

### **Power input :**

- ◆ UP110/UP220 5V power adapter.
- ◆ Current consumption: 200mA.

### **LED indicator :**

- ◆ PWR: DC power input ON indicator.
- ◆ **Serial1:** RS232/RS422/RS485 input port1 TXD/RXD signal activity.
- ◆ **Serial2:** Isolated RS232 output port2 TXD/RXD signal activity.

### **Dimension :**

- ◆ UCON310-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 :**

RS232 to Ground isolated RS232 isolator.  
RS485 to GROUND isolated RS232 interface converter.  
RS422 to GROUND isolated RS232 interface converter.

## **Performance upgrade capability and relative products.**

- ▲ TWIN485 box: two sets ground isolated RS232 to RS422/485 converter.
- ▲ UTS112-I box: USB to two ground isolated RS232/422/485 ports converter.
- ▲ ULOG310-I box: monitored universal RS232/RS422/RS485 to GROUND isolated RS232 interface converter via USB connection.
- ▲ UP422I PCIPORT card: each card support two ground isolated RS422/485 ports.
- ▲ UP485I PCIPORT card: each card support four ground isolated RS422/485 ports.

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