

# ULOG310-I

USB Monitored  
Interface Converter

Support one Universal **RS232/422/485** input to  
**Ground isolated RS232** interface converter  
Support two Monitored ports in one box via **USB**  
Powerful and Flexible for debug usage



- ★ Support USB2.0 device controller
- ★ Support data transmission LED display for each port
- ★ Support one Universal RS232/422/485 input to **Ground Isolated** RS232 interface converter.
- ★ Easy to set as **interface converter**, **repeater** or **bridge** function.
- ★ Two serial ports to **monitor bi-direction data transmission** via USB.
- ★ Support Auto Data Direction Control in RS485 interface
- ★ Support USB bus powered mode or self-power mode.

## **ULOG310-I specifications :**

### **USB interface :**

- ◆ Connector type: USB B type connector.
- ◆ Device Controller: USB 2.0
- ◆ stream FIFO size: 512Byte per serial port.

### **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 USB bus.*

*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 USB.*

### **Power input :**

- ◆ USB powered mode or 5V self-power mode.
- ◆ Current consumption: 300mA.

*NOTE: user may use UP110/UP220 power adapter as 5V power input for self-power mode..*

### **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.

### **Accessories :**

- ◆ U101 cable: 6 feet USB A type to B type connector.

### **Dimension :**

- ◆ ULOG310-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.
- ▲ 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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