

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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