ULOG301-I

USB Monitored Interface Converter

Support one Universal RS232/422/485 input to Ground isolated RS422/485 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 RS422 or RS485 settable 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.**

ULOG301-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.*

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 USB.*
  - *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.*

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 RS422/485 output port2 TXD/RXD signal activity.

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

Dimension :
- ◆ULOG301-I box:
  92mm (W) * 118mm (L) * 27mm(H)

Environment :
- ◆operating temperature: 0℃ to 55℃
- ◆operating humidity : 0% to 95% RH.
- ◆storage temperature : 0℃ to 65℃.
- ◆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 conveter.

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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