

# **UTS004** USB to Serial Port Converter

- ◆ **Support four ports in one box**
- ◆ **Support four ground isolated RS422/485 port**
- ◆ **Powerful and Flexible for redundancy usage**



- ★Support **USB2.0** device controller
- ★**512 Bytes FIFO** for data transfer
- ★Support **LED display** for each port
- ★**four ground Isolated RS422 and RS485** selectable port for remote connection.
- ★**Auto Data Direction Control** on RS485 mode
- ★Support **bus powered** mode
- ★Use ASIX MCS7840 chip

## **UTS004 Specification :**

### **USB interface:**

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

### **RS422/485 interface:**

- \*Connector type: DB9 male connector.
- \*Number of ports: 4 (port A, B, C, D)  
NOTE: RS422 or RS485 interface type set by DIP switch.
- NOTE: each port with isolated signal ground each other and 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.  
Data+ and Data- signal can be in TX+ and TX- pair or RX+ and RX- pair.

### **Environment :**

- \*operating temperature: 0°C to 55 .°C
- \*operating humidity: 10% to 95% RH.
- \*storage temperature: 0°C to 65°C .
- \*storage humidity: 5% to 95% RH.

### **LED indicator:**

- \*PWR: DC power input ON indicator.
- \*ATRD: RS422/485 port A TXD/RXD signal activity.
- \*BTRD: RS422/485 port B TXD/RXD signal activity.
- \*CTRD: RS422/485 port C TXD/RXD signal activity.
- \*DTRD: RS422/485 port D TXD/RXD signal activity.

### **Power input:**

- \*USB bus powered mode.
- \*Current consumption: 400mA @ 5VDC.  
NOTE: user can use UTS004S in self-powered mode to work with 5VDC power adapter

### **Accessories:**

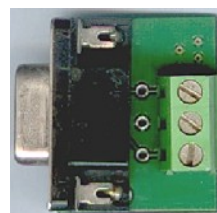
- \*U101 cable: 6 feet USB A type to B type connector.

### **Dimension :**

- \*UTS004 box:  
90mm (W) \* 150mm (L) \* 27mm(H)

## **Accessories :**

**TB485 : DB9 Female to RS485 terminal block kit.**



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

- \*TWIN485 box: two port ground isolated RS232 to RS422/485 converter.
- \*UTS400 box: USB to four RS232 ports cost effective model.
- \*UTS040 box: USB to four ground isolated RS232 ports safety model.
- \*UTS485 box: USB to two RS232 and two ground isolated RS422/485 ports.

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

2F, No. 177, Chung-Shan 2 Rd., Lu-Chou, New Taipei city, Taiwan, R.O.C.

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>