

## UTS114 box user guide

1. UTS114 box can support four serial ports via USB connection. Each serial port can be set to RS232, RS422, RS485 interface independently.
2. In UTS114 PCB we have one 4bit DIP switch to set each serial port in RS232 interface (set in OFF location) or RS422/RS485 interface (set in ON location). So we need to open metal cabinet to set such DIP switch firstly.
3. In default condition we will set DIP switch in PCB as RS422/RS485 interface (set all 4 bit in ON location). So we can set each serial port in RS422 interface (set in ON location) or RS485 interface (set in OFF location) via DIP switch in side plate.
4. When user needs to set one serial port in RS232 mode, then we need to open metal cabinet and set the DIP switch in PCB.
5. pin definition in DB9 connector.

DB9	Pin Number	RS232 Signal	RS422/485 Signal	RS485 2W Signal
1		DCD (In )	---	---
2		RXD (In )	RXD+ (In )	---
3		TXD (Out)	TXD+ (Out)	DATA+(I/O)
4		DTR (Out)	TXD- (Out)	DATA-(I/O)
5		GND	GND	GND
6		DSR (In )	RXD- (In )	---
7		RTS (Out)	---	---
8		CTS (In )	---	---
9		RI (In )	---	---

**Note:** In RS485 mode pin2 and pin3 is short together as DATA+ signal. Pin4 and pin 6 is short together as DATA- signal.