

2-Port USB to RS-422/RS-485 Adapter

USB to RS-422 / RS-485 adapter provides an extra serial com port via USB connection and can be configured to work with RS-422 & RS-485 peripherals such as POS and industrial controlled devices. The USB adapter supports an easy serial port expansion and requires no IRQ, DMA, or I/O port resources.

The USB adapter features a full set of RS-422 & RS-485 data and control signals on its DB-9. It supports data transfer rates of up to 3M baud. No external power supply is required as USB adapter takes its power from the USB bus.

Features

- Fully Compliant with USB specification 1.1 and 2.0.
- Allows up to 256 nodes on the bus.
- Supports $\pm 15\text{kV}$ HBM ESD Protected.
- No external power supply required.
- Supports data transfer rates up to 3M baud.
- 512 byte receive buffer and 512 byte transmit buffer utilizing buffer smoothing technology to allow for high data throughput.
- Supports remote wake-up and power-on-reset.
- Compatible with Windows XP / Vista / 7 / 8 / 8.1 / 10 / 11 or higher, Windows Server 2012 / 2012R2 / 2016 / 2019 / 2022 ; Mac OS 10.3 to 10.15 / 11 / 12 / 13 ; Linux OS 3.2 or higher.

Specification

Model No.		UTS-M12XS	Pin Assignment		
Chip		FTDI	Pin No.	Definition	
Data Transfer Rates		300 baud to 3M baud		RS-422	RS-485
LED		1	1	TX-	B-
Connector	Host	USB A Male	2	TX+	A+
	Device	DB-9 Male * 2 (Hex Nut)	3	RX+	
Mode Selection		Slide Switch	4	RX-	
Environment	Operating Temp.	0 °C ~ 40 °C	5	GND	GND
	Storage Temp.	-20 °C ~ 60 °C	6	RTS-	
	Humidity	0~80% RH, Non-condensing	7	RTS+	
Cable Length		0.6m	8	CTS+	
Housing		Plastic	9	CTS-	

