

USB to RS-485 Adapter with Terminal Block Changer

USB to RS-485 adapter provides an extra serial com port via USB connection and can be configured to work with 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-485 data and control signals on its DB-9 or terminal block changer. 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.
- $\pm 15\text{kV}$ HBM ESD Protected.
- 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; Windows Server 2012 / 2012R2 / 2016 / 2019 / 2022; Mac OS 10.3 to 10.15 / 11 / 12 / 13; Linux OS 3.2 or higher.
- Changer adapter from DB-9F to 5 Pins Terminal block.

Specification

Model No.		UTS-485X + DT485C	Pin Assignment		
Chip		FTDI			
Data Transfer Rates		Up to 3M baud	Pin No.	DB-9M	Terminal Block
Power Consumption		56mA			
LED		3	1	B-	A+
Environment	Operating Temp.	0°C ~40°C	2	A+	B-
	Storage Temp.	-20°C ~60°C	3		GND
	Humidity	0~80% RH, Non-condensing	4		120Ω
Connector	Host	USB Type A Male	5	GND	
	Device	DB-9M / DB-9F to Terminal Block	6	120Ω	
Power Mode		Bus powered	7		
Cable Length		1m	8		
Housing		Plastic	9		

