

Isolated USB to RS-232 Extender Over Cat.5 (2000m)

The Isolated USB to RS-232 Cat.5 extender is a low cost and durable serial solution that will extend your RS-232 via a single standard Cat.5 / 5e / 6 UTP cable. It features 2.5kV isolation to ensure sensitive controls and devices for long extending serial signal won't be damaged. It provides full-duplex remote access and control of any RS-232 protocol device. The isolated USB to RS-232 Cat.5 extender kit consists of a local transmitter and remote receiver. Allows you placing RS-232 devices in any location you want and to control them remotely up to 2000 meters (6600 feet).

Features:

- Compatible with all RS-232 protocols.
- Extend RS-232 peripherals up to 2000 meters upon transfer rate at 115kbps. (1700m upon 230kbps; 700m upon 921.6kbps)
- Fully Compliant with USB specification 1.1 and 2.0
- Supports transfer rate up to 921.6kbps.
- Supports $\pm 15\text{kV}$ (air), $\pm 8\text{kV}$ (contact) ESD protection; Isolated ground loops
- Supports 40A (5/50ns) & Peak Pulse Power 250 W (8/20 us) Surge and Transient spikes protection
- Supports 2.5kV Isolation; Bus powered for local transmitter, external power for remote receiver
- Compatible with Windows 98SE / ME / 2000 / XP / Vista / 7 / 8 / 8.1 / 10 / 11; Windows Server 2003 / 2008 / 2008R2 / 2012 / 2012R2; Mac OS 8.6, Linux 1.5.0 or higher
- Rugged & cambered shape's Aluminum shell and wall mountable

Model No.		UTS-i101		DB-9M Pin Assignment	
Chip		FTDI			
Unit Category		Transmitter	Receiver	Pin No.	Definition
Connector	Host	USB Type B Female	x	1	
	Output	RJ-45 Female	x	2	RXD
	Input	x	RJ-45 Female	3	TXD
	Device	x	DB-9 Male	4	DTR
Interconnection Cable		Standard Cat.5 / 5e / 6		5	GND
LED		3 (TX / RX / PWR)	3 (TX / RX / PWR)	6	DSR
Power Mode		Bus powered	DC5V	7	RTS
Operating/Storage Temperature		-40 to 85°C (-40 to 185°F)		8	CTS
Housing		Aluminum		9	
Dimension (L x W x H)		90 x 73 x 31mm	90 x 73 x 31mm		

