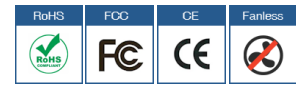


CTUS-037

USB to RS-232/RS-485/RS-422 Converter

Features:

- Operating Temperature: -40°C to 85°C
- 200 W Surge Protection, ± 15 kV ESD Protection
- Baud Rate: 300 - 921,600 bps
- Supports Connection of up to 128 RS-422 or RS-485 Devices



Introduction:

The CTUS-037 is a universal USB to RS-232/485/422 converter. This bus-powered device requires no external power supply and is fully compatible with USB, RS-232, RS-422, and RS-485 standards. It seamlessly converts single-ended USB signals into RS-232, RS-485, or RS-422 signals.

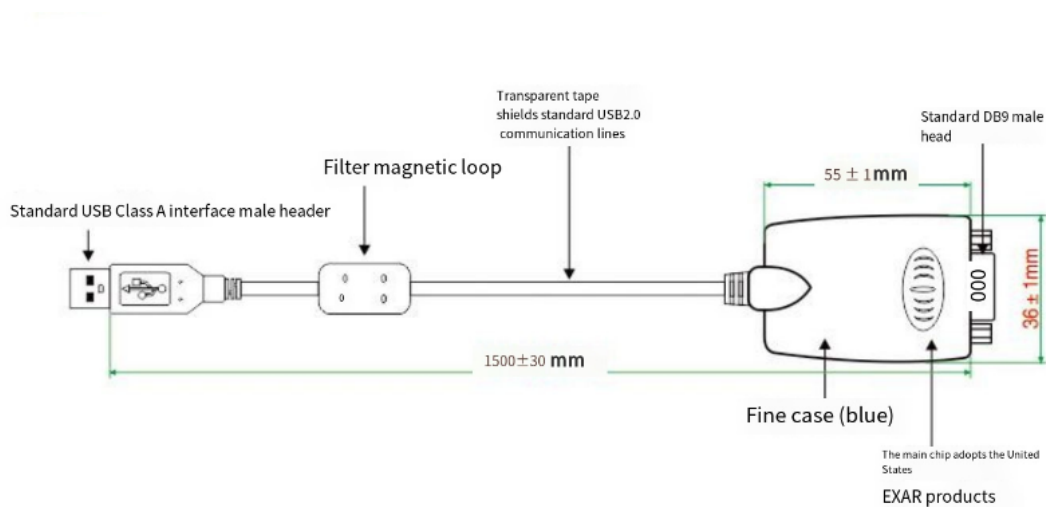
Featuring zero-delay automatic transceiver switching, the device utilizes a unique I/O circuit to automatically manage data direction without the need for handshake signals (such as RTS or DTR). No jumper settings are required to switch between full-duplex (RS-232/422) and half-duplex (RS-485) modes, ensuring plug-and-play compatibility with all existing communication software and hardware interfaces.

Specification:

Hardware	
Standard	USB 1.0/1.1/2.0; EIA RS-232/485/422
USB Signals	VCC, DATA-, DATA+, GND, FG
RS-232 Signals	RXD, TXD, DTR, GND, DSR, RTS, CTS
RS-485 Signals	T/R+, T/R-, GND
RS-422 Signals	TXD+, TXD-, RXD+, RXD-, GND
Operating Mode	Asynchronous Point-to-point or Point-to-multipoint, 2-wire Half-duplex, 4-wire Full-duplex
Direction Control	Automatic Data Direction Control (ADDC)
Baud Rate	300 – 921,600 bps with Auto-Baud Detection
Node Support	Supports Connection of up to 128 RS-422 or RS-485 Devices in Point-to-multipoint Mode
Transmission Distance	1,200m for RS-485/422 Port (at 9,600 bps), 5m for USB and RS-232 Port

Interface Protection	200 W Surge Protection, ± 15 kV ESD Protection
Interface Connector	USB Type-A Male, DB9 Male Connector
Signal Indicators	Three LEDs for Power (PWR), Transmit (TXD) and Receive (RXD)
Transmission Medium	Twisted-pair (UTP) or Shielded Cable (STP)
Dimensions (L x W x H)	1500 $\times$ 36 $\times$ 16 mm
Operating Temperature	-40°C to 85°C
Relative Humidity	5% to 95%
OS Support	WinXP/7/8/8.1/10/Linux etc.

Dimension Drawing:



Ordering Information:

CTUS-037

USB to RS-232/485/422 Converter, Serial 3-in-1, 1.5 m Cable, Baud Rate: 300 bps - 921.6 kbps with Auto-Baud Detection, Transmission Distance: 1,200m (at 9,600 bps) for RS-485/422 Port, 5m for USB and RS-232 Port, ± 15 kV ESD Protection, Operating Temperature: -40°C to 85°C.

Other Models Are Available upon Request