Converter
USB485

USB-485
(Converter)

The USB-485/422/232 converter is a multi-functional converter which can convert RS232/RS485/RS422 signals to USB. It has many features including a small compact size, a long transmission distance, an automatic signal adjustment mode, is of excellent quality and very stable.

Modes of Operation

The USB-485/422/232 converter is a multi-functional converter which can convert RS232/RS485/RS422 signals to USB. It therefore has two modes of operation when used with the TRIMEC 7 Series of controllers.

- Mode 1

It can be used as a standard USB to RS-232 converter for single panel communication where the panel is within 15 meters of the converter. The converter should be no more than 5 meters from the USB port on the computer. The USB lead plugs into the computer and the DB9 connects to the RS-232 of the controller.

- Mode 2

It can be used a standard USB to RS-485 converter for multi panel communication where panels are connected on a RS-485 line. The converter should be no more than 5 meters from the USB port on the computer. The USB lead plugs into the computer and the RS-485 connector on the converter connects to the RS-485 line for the controllers. Up to 127 controllers can be connected to a single USB port using this method.

Features

- Standard: USB1.1, EIA RS232 standard, EIA RS485 standard, EIA RS422 standard
- USB Signal: VCC, DATA+, DATA-, GND
- RS232 Signal: RX, `TX, GND
- RS485 Signal: 485+, 485-, GND
- RS422 Signal: T+, T-, R+, R- GND
- Supports up to 32 or 128 RS485 devices depending upon firmware
- Work Mode: Simultaneous RS232 to RS485 or RS422 operation.
- Automatically adjusts for different baud rates
- Direction Control: adopts data flow control. It can distinguish and control the data transmission direction
- Transmission Distance: RS485/422 = 1200 meters @ 9600bps/h, USB = 5 meters, RS232 = 15 meters
- Ports: Uses a standard USB connection for the USB port and a DB9 for the RS232/422 port
- Input power: The power source is from the USB connection. It is unnecessary to use external power
- Plug and play once the drivers have been loaded
- Temperature: -50 -70 degrees
- Humidity: 5% - 95%