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Subject:		Part No.:		Rev.:	1
	IO Device Specification		99.263.7907.001		

SCB-C08
USB to RS232/422/485 Converter

Specifications

USB Interface	Compliant with USB V1.0 and V2.0
RS-232 signal	5 full-duplex (TXD, RXD, CTS, RTS, GND).
RS-422 signal:	4 half-duplex wires (TX+, RX+, TX-, RX-).
RS-485 signal:	2 half-duplex wires (D+, D-).
Cable Type	USB type A to type B.
Transmission distance	RS485 Up to 4000ft (1200M).
Signal LED	Power on, TX, RX.
Direct power from USB port	Support
Power consumption:	1.2W
Dimension	151 x 75 x 26 mm

Introduction

SCB-C08 is an independent control device for managing signals from RS-232, RS-422 and RS-485.
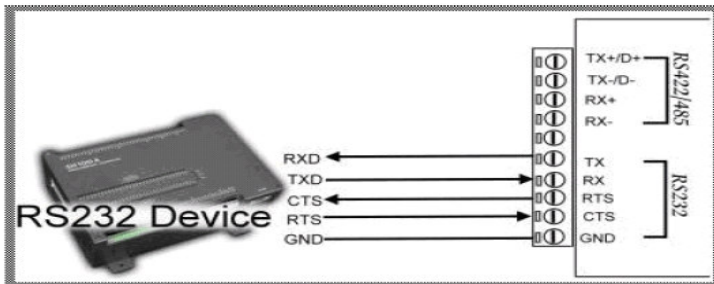
Devices such as I/O relay device or speed dome can be easily control by SCB-C08.

1. Power Connection (USB Internal Bus)
Direct power input from USB bus port, current 100mA/+5V, no external power necessary
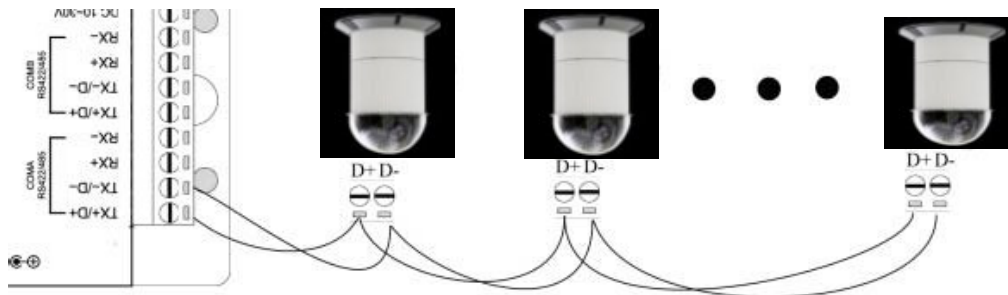
2. RS-232 wiring connection
The RS-232 supports 5 channels plus Signal Ground and is configured as DTE like a computer.
Signals are single ended and referred to Ground. To use handshaking or flow control user must set Host PC's RTS/CTS during configuration. Refer to the pin assignment for connection as below.
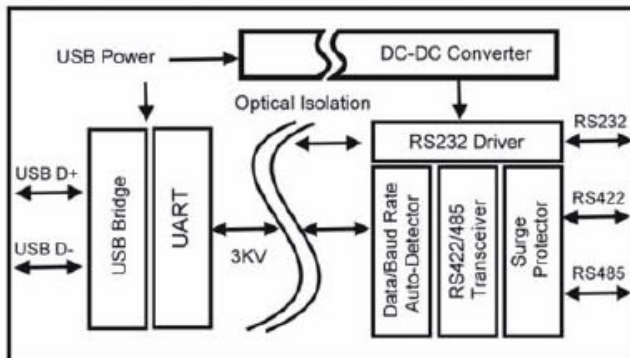

3. RS-485 Wiring connection
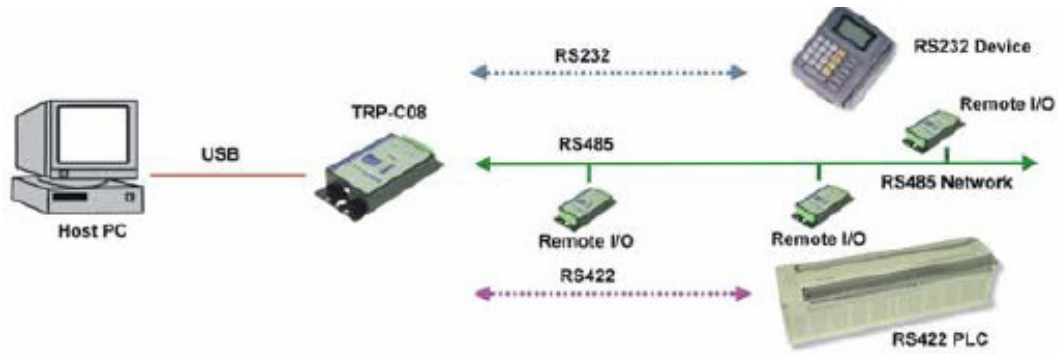The RS-485 mode supports the Transmit and Receive channels using 2-wire half-duplex operation. Refer to the pin assignment for connection as below.

4. Block Diagram

5. Application Note