

To Use two I-7520 modules to extend an RS232 connection

Installation procedure:

The RS232 connection should be wired as a straight through connection.

Instructions as per Diagram below.

RS232 output device on Pin 3 (TXD), Pin 2 (RXD) & Pin 5 (Ground).
Data input to first I-7520 RS232 on Pin 3 (TXD), Pin 2 (RXD) & Pin 5 (Ground).
Data output of first I-7520 RS485 on Data +1 & common on Data –
Data input of second I-7520 RS485 on Data +1, common on Data –
Data output of second I-7520 RS232 on Pin 2 (RXD), Pin 3 (TXD) & Pin 5 (Ground).
RS232 input device on Pin 2 (RXD), Pin 3 (TXD) & Pin 5 (Ground).

Diagram

RS232 Device	First I-7520 Module (RS232)	Second I-7520 Module (RS232)	RS232 Device
Pin 2 (RXD)	Pin 2 (RXD)	Pin 2 (RXD)	Pin 2 (RXD)
Pin 3 (TXD)	Pin 3 (TXD)	Pin 3 (TXD)	Pin3 (TXD)
Pin 5 (GND)	Pin 5 (GND)	Pin 5 (GND)	Pin 5 (GND)

The RS485 connection between the two I-7520 modules should also be wired straight through i.e. Data +1 to Data +1 & Data – to Data –.