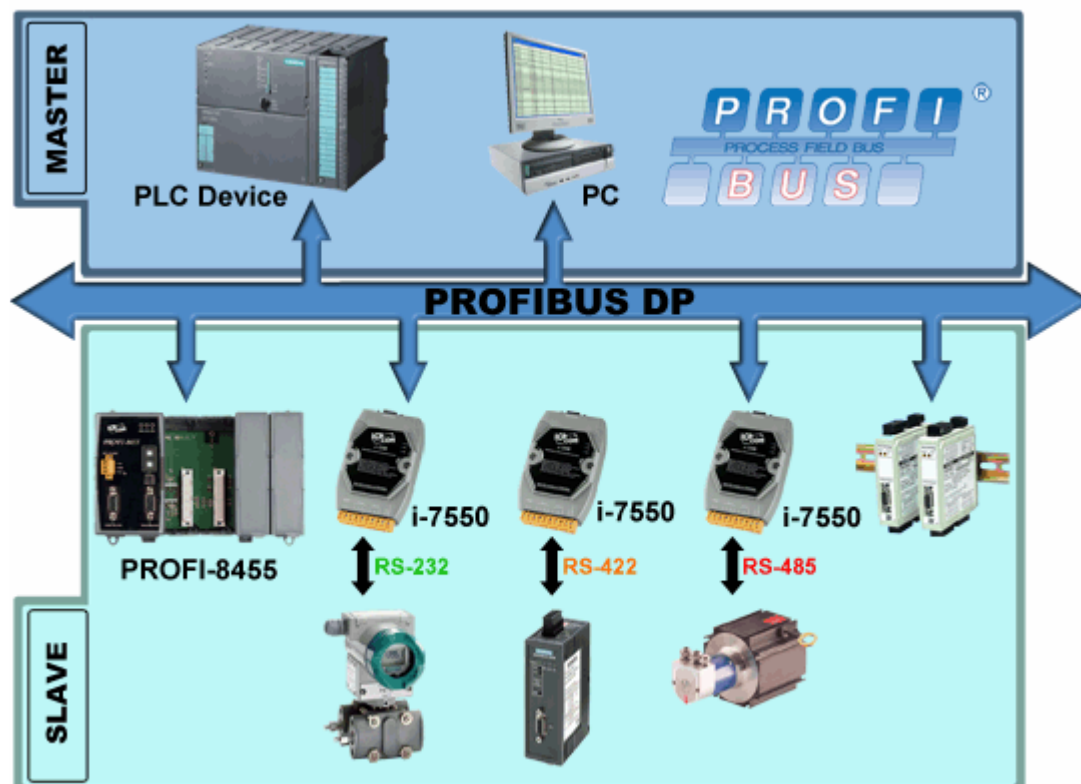


I-7550

PROFIBUS to RS-232/422/485 Converter



The i-7550 converter is specially designed for the slave device of PROFIBUS DP protocol. It offers RS-232, RS-422, and RS-485 three kinds of communication way. With the Hybrid COM 1 design, users can readily choose one type of com port to use. By using this module, users can put their RS-232/422/485 devices into PROFIBUS network very easily.



Applications

Industrial Automation
Factory Automation
Process Automation
Etc...



Features

Protocol & Hierarchy DP-V0 Slave

Supports PROFIBUS Transmission Rate (Kbps) 9.6, 19.2, 45.45, 93.75, 187.5, 500, 1500, 3000, 6000, 12000

Transmission Rate Setting detected automatically

Max Input Data Length 128 Bytes

Max Output Data Length 128 Bytes

Address Setting 0~126 set by DIP switch

Hybrid COM 1 RS-232/422/485 with “Self Tuner” inside

Supports COM 1 Baudrate (Kbps) 1.2, 2.4, 4.8, 9.6, 19.2, 38.4, 57.6, 115.2

Supports COM 1 Data Format 7/8 data bits, No/Odd/Even parity, 1 stop bit

Indicators PWR, ERR, and RUN LEDs

Network Isolation Protection High Speed iCoupler

DC Isolation Protection 3000VDC on PROFIBUS side

Hardware Specifications

CPU 80186, 80MHz

Flash 512K Bytes

SRAM 512K Bytes

EEPROM 16K Bytes

Watch Dog Timer CPU Built-in

COM 1 RS-232(3 wires)/RS-422/RS-485

Baudrate Up to 115.2Kbps

PROFIBUS Interface 9-pin D-Sub(Female)

PROFIBUS Controller Siemens SPC3

PROFIBUS Transceiver ADI ADM2486 iCoupler Isolated Transceiver

Transmission Rate Up to 12Mbps

Power Requirement 10V ~ 30V

Power Consumption 2.5W

Operating Temp. -25℃ ~ +75℃

Storage Temp. -30℃ ~ +85℃

Humidity 5% ~ 95%

Dimensions 119x72x33 mm

Ordering Information

I-7550 CR PROFIBUS to RS-232/422/485 Converter