



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.

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°C ~ +75°C
Storage Temp.	-30°C~ +85°C
Humidity	5% ~ 95%
Dimensions	119x72x33 mm

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