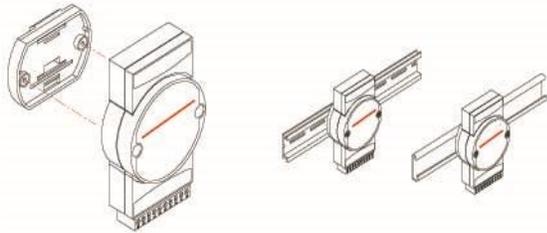


## RS232-to-RS485 Converter

### RFID Solution Accessories



#### USER ADVANTAGES:

- Converts RS232 to RS485
- Connects up to 32 readers to a single RS232 port
- 3000V<sub>dc</sub> isolation
- Automatic control of data flow
- Rugged industrial grade plastic
- Can be mounted on DIN rails or walls

TagMaster's RS485 Converter is compact and robust in design for reliable operations in harsh environments. This converter connects an RS232 serial communication line to a 2-wire RS485 multidrop network. It is specially adapted for the communicators and software. The RS485 converter automatically senses the direction of data flow and switches the transmission direction. This control is completely transparent to the user system enabling the use of existing software or other software written for RS232 without the need for any modifications.

The converter is easily mounted on a DIN rail, a wall using the included bracket, or a "piggy-back" where stacking of several units on one another is applied. Ensuring quick and simple installation, modification and maintenance, signal connections are made through rugged plug-in screw terminal blocks. The RS485 Converter accepts any unregulated power source between +10 and +30V<sub>dc</sub>. These converters are protected against accidental power supply reversals and can be safely connected or disconnected without causing disturbance to a running network.

### SPECIFICATIONS

Technical Information Part No. S1942	RS232-to-RS485 Converter
Weight	3.88 oz (110 g)
Case Material	ABS
Color	Light Blue
Power Requirements	Unregulated +10 to +30V <sub>dc</sub> *Protected against power reversal
Isolation Voltage	3000V <sub>dc</sub>
Power Consumption	1.2 W
Operating Temperature	-14°F to 158°F (10°C to 70°C)
Storage Temperature	-13°F to 158°F (-25°C to 70°C)
Connector	RS232 (4-wire) Female DB-9 RS485 (2-wire) Plug-in screw terminal
Speed (bps)	1200, 2400, 4800, 9600, 19.2K, 38.4K, 57.6K, 115.2K
Max Communication Distance	4000 ft / 1200 m
EMI	Meets FCC Class A prEN 50 082-2:1992, EN 55 022:1994 Class A

*\*The information in this document may be subject to change without prior notice.\**