

## RS-232 to RS485/422 Serial Converter

**Product ID:** IC485S



IC485S [IC485SIS] converts RS-232 serial interfaces to RS-485/422 serial interfaces for trouble-free data transmission. This 2-in-1 converter converts RS232C to either the RS-485 or RS-422 interface, and is DCE/DTE mode selectable at the flip of a switch, making it easy to change line signals!

The RS232 serial interface converter offers several convenient features including mode selection, point-to-point multidrop configuration and RS 485/422 monitor mode, and is constructed of high grade plastic for enhanced durability. The converter supports connections of up to 4000 ft, with data transfer rates of up to 1MB/sec.

Suitable for a broad range of operating environments, this adapter includes an optional 9V power adapter or can draw power on its own, and is backed by StarTech.com's 2-year warranty and FREE lifetime tech support.

## Certifications, Reports and Compatibility

### Applications

- Converts RS232C signals to either RS-485 or RS-422 signals
- Great for monitoring or controlling RS-422/485 devices like PLCs and other industrial equipment
- Ideal in office, warehouse, or other environments where RS-232 and RS-485/422 are used

### Features

- Supports up to 4000 ft cable length
- Handy DCE/DTE mode selection switch

- Supports point-to-point multidrop configuration
- Can be used to monitor RS-485/422 signals
- Monitor mode allows read only
- Full or half duplex operation
- Durable plastic construction protects interior components
- Draws power from connection or uses 9V power adapter (included)
- 2-year warranty and FREE LIFETIME technical support

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#### Hardware

Warranty	2 Years
Ports	1
Interface	Serial
Port Style	Cable Adapters

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#### Performance

Maximum Data Transfer Rate	1MB/sec
Maximum Cable Length	4000.0 ft [1219.5 m]
Serial Protocol	RS-422/485
Max Baud Rate	115.2 Kbps

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#### Connector(s)

Connector Type(s)	DB-25 (25 pin, D-Sub)
	RJ-11
	Terminal Block (4 Wire)

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#### Power

Power Source	AC Adapter Included
Output Voltage	9V DC
Output Current	0.3A
Center Tip Polarity	Positive



Plug Type	M
Power Consumption (In Watts)	2.7

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**Environmental**

Operating Temperature	0C to 50C (32F to 122F)
Storage Temperature	-20C to 60C (4F to 140F)
Humidity	0~80% RH

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**Physical Characteristics**

Color	Gray
Material	Plastic
Product Length	2.7 in [68 mm]
Product Width	2.1 in [54 mm]
Product Height	0.7 in [19 mm]
Weight of Product	1.7 oz [47 g]

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**Packaging Information**

Package Length	4.6 in [11.7 cm]
Package Width	4.0 in [10.2 cm]
Package Height	2.8 in [70 mm]
Shipping (Package) Weight	6.1 oz [172 g]

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**What's in the Box**

Included in Package	INTERFACE CONVERTER
	ADAPTER
	MANUAL

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***\*Product appearance and specifications are subject to change without notice.***

