

Industrial RS232 to RS422/485 Serial Port Converter with 15KV ESD Protection

StarTech ID: IC232485S



The IC232485S Industrial RS232 to RS-422/485 Serial Converter is a bi-directional adapter that lets you adapt an RS232 data signal to either RS485 (2 or 4-wire) or RS422 and vice-versa, with support for baud rates up to 921.6 Kbps.

Ideal for industrial environments, the serial port converter provides 15KV ESD protection on all signal pins to protect costly and often sensitive control equipment against electrical damage. The serial converter also features a sturdy wall-mountable metal housing with Power, Tx and Rx LED indicators for simple status monitoring.

The adapter supports auto baud rate detection as well as RS-422 and RS485 mode detection, with an integrated dip switch for manual mode selection if needed, and supports connection distances of up to 4000ft (1200m).

Backed by a 2-year StarTech.com warranty and free lifetime technical support.

Applications

- Monitor or control RS-422/485 serial devices like PLCs and other industrial equipment
- Adapt and connect a scale, meter, scanner or one of several other control peripherals to a computer system with only RS232

Features

- RS232 to 2/4-wire RS485 or RS422 conversion
- Supports RS422 and RS485 auto detect and manual switching
- ±15KV ESD protection on all signal pins
- Supports baud rates up to 921.6 Kbps
- Wall-mountable
- Supports a maximum connection distance of 4000ft (1200m)

Technical Specifications

Warranty	2 Years
Ports	2
Interface	Serial
Port Style	Cable Adapter
Connector Type(s)	1 - DB-9 (9 pin; D-Sub) Female
Connector Type(s)	1 - DB-9 (9 pin; D-Sub) Male
Maximum Cable Length	3936 ft [1200 m]
Serial Protocol	RS-232/422/485
Max Baud Rate	921.6 Kbps
Color	Black
Enclosure Type	Steel
Product Length	4.6 in [117 mm]
Product Width	2.3 in [59 mm]
Product Height	0.9 in [22 mm]
Product Weight	5.3 oz [150 g]
LED Indicators	1 - Power (Green)
LED Indicators	1 - Rx (Yellow)
LED Indicators	1 - Tx (Yellow)
Power Source	AC Adapter Included
Input Voltage	110 ~ 240 AC
Input Current	0.3 A
Output Voltage	5 DC
Output Current	1 A
Center Tip Polarity	Positive
Plug Type	M
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Humidity	5~85% RH
Shipping (Package) Weight	10.1 oz [285 g]
Included in Package	1 - RS-232 to RS-422/485 Converter
Included in Package	1 - Universal Power Adapter (NA/EU/UK)
Included in Package	1 - Instruction Manual

Certifications, Reports and Compatibility

