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Data Sheet

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

Product 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.

Certifications, Reports and Compatibility

RoHS & REACH DOWNLOAD DECLARATION

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)

	Warranty	2 Years
Hardware	Interface	Serial
	Port Style	Cable Adapters
	Ports	2
Performance	Max Baud Rate	921.6 Kbps
	Maximum Cable Length	3936 ft [1200 m]
	Serial Protocol	RS-232/422/485
Connector(s)	Connector Type(s)	1 - DB-9 (9 pin, D-Sub) Female
		1 - DB-9 (9 pin, D-Sub) Male
Indicators	LED Indicators	1 - Power (Green)
		1 - Rx (Yellow)
		1 - Tx (Yellow)
Power	Center Tip Polarity	Positive
	Input Current	0.3 A
	Input Voltage	100 ~ 240 AC
	Output Current	1 A
	Output Voltage	5 DC
	Plug Type	M
	Power Consumption (In Watts)	5
	Power Source	AC Adapter Included
Environmental	Humidity	5~85% RH
	Operating Temperature	0°C to 50°C (32°F to 122°F)
	Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Physical Characteristics	Color	Black
	Enclosure Type	Steel
	Product Height	0.9 in [2.2 cm]
	Product Length	4.6 in [11.7 cm]
	Product Width	2.3 in [59 mm]
	Weight of Product	5 oz [143 g]
Packaging Information	Package Height	1.6 in [41 mm]

	Package Length	5.7 in [14.6 cm]
	Package Width	8.2 in [20.8 cm]
	Shipping (Package) Weight	12.4 oz [351 g]
What's in the Box	Included in Package	1 - RS-232 to RS-422/485 Converter
		1 - Universal Power Adapter (NA/EU/UK)
		1 - Instruction Manual

Product appearance and specifications are subject to change without notice.