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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

## 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)

| | | |
|---|---|---|
| **Hardware** | | |
| | Warranty | 2 Years |
| | Ports | 1 |
| | Interface | Serial |
| | Port Style | External Hub |
| **Performance** | | |
| | Maximum Cable Length | 3936.0 ft [1200 m] |
| | Serial Protocol | RS-232/422/485 |
| | Max Baud Rate | 921.6 Kbps |
| **Connector(s)** | | |
| | Connector Type(s) | 1 - DB-9 (9 pin, D-Sub) |
| | | 1 - DB-9 (9 pin, D-Sub) |
| **Indicators** | | |
| | LED Indicators | 1 - Power (Green) |
| | | 1 - Rx (Yellow) |
| | | 1 - Tx (Yellow) |
| **Power** | | |
| | Power Source | AC Adapter Included |
| | Input Voltage | 100 - 240 AC |
| | Input Current | 0.5 A |

| | | |
|---|---|---|
| | Output Voltage | 5 DC |
| | Output Current | 1 A |
| | Center Tip Polarity | Positive |
| | Plug Type | M |
| | Power Consumption (In Watts) | 5 |
| **Environmental** | | |
| | Operating Temperature | 0C to 50C (32F to 122F) |
| | Storage Temperature | -20C to 60C (-4F to 140F) |
| | Humidity | 5~85% RH |
| **Physical Characteristics** | | |
| | Color | Black |
| | Material | Steel |
| | Product Length | 3.3 in [8.4 cm] |
| | Product Width | 2.9 in [7.3 cm] |
| | Product Height | 0.9 in [2.2 cm] |
| | Weight of Product | 5.0 oz [143 g] |
| **Packaging Information** | | |
| | Package Quantity | 1 |
| | Package Length | 4.7 in [11.9 cm] |
| | Package Width | 7.4 in [18.9 cm] |
| | Package Height | 2.8 in [7.1 cm] |
| | Shipping (Package) Weight | 12.2 oz [346.0 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

| | | |
|---|---|---|
| **Warranty Information** | | |
| | Warranty | 2 Years |

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

**Artisan Technology Group** is an independent supplier of quality pre-owned equipment

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