

## Industrial RS232 to RS-422/485 Serial Converter with 15KV ESD Protection

IC232485S

DE: Bedienungsanleitung - de.startech.com

FR: Guide de l'utilisateur - fr.startech.com

ES: Guía del usuario - es.startech.com

IT: Guida per l'uso - it.startech.com

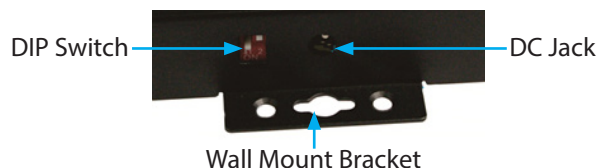
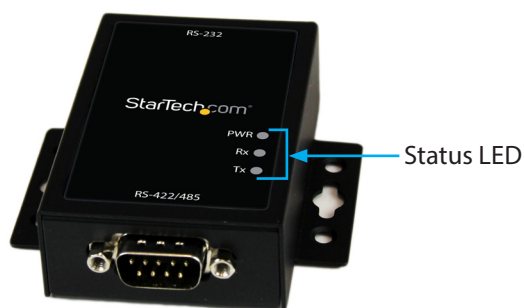
NL: Gebruiksaanwijzing - nl.startech.com

PT: Guia do usuário - pt.startech.com

### Packaging Contents

- 1 x RS-232 to RS-422/485 Converter
- 1 x Universal Power Adapter (NA/EU/UK)
- 1 x Instruction Manual

### Product Overview



\*actual product may vary from photos

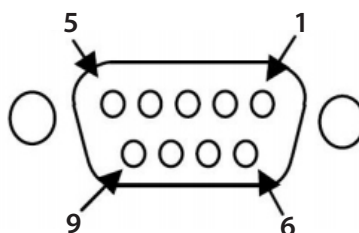
### LED Indicators

<b>PWR (Green)</b>	Lit when power is supplied to the device
<b>Rx (Yellow)</b>	Flashes when serial data is being received
<b>Tx (Yellow)</b>	Flashes when serial data is being sent

### DIP Switch Settings

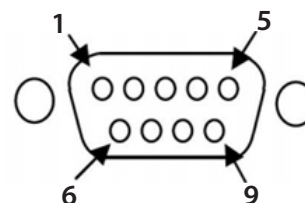
Setting	Position
<b>Auto RS-422/485 (Default)</b> Automatically detect the protocol (RS-422/485) and duplex (full/half)	1: On, 2: Off 
<b>RS-422 (4-Wire RS-485)</b> Force the device to RS-422 full duplex mode	1: Off, 2: On 

### RS-232 Pinout



<b>Pin 1</b>	DCD
<b>Pin 2</b>	RXD
<b>Pin 3</b>	TXD
<b>Pin 4</b>	DTR
<b>Pin 5</b>	GND
<b>Pin 6</b>	DSR
<b>Pin 7</b>	RTS
<b>Pin 8</b>	CTS
<b>Pin 9</b>	RI

### RS-422/485 Pinout



Pin	RS-422	4-Wire RS-485	2-Wire RS-485
1	Tx-	Tx-	D-
2	Tx+	Tx+	D+
3	Rx+	Rx+	
4	Rx-	Rx-	
5	GND	GND	GND
6	RTS-	RTS-	
7	RTS+	RTS+	
8	CTS+	CTS+	
9	CTS-	CTS-	

## Specifications

<b>Supported Protocols</b>	RS-232 / 422 / 485
<b>Connectors</b>	1 x DB-9 (9 pin; D-Sub) Female 1 x DB-9 (9 pin; D-Sub) Male
<b>Maximum Baud Rate</b>	921.6 Kbps
<b>Power Adapter</b>	5V, 1A
<b>Enclosure Material</b>	Steel
<b>Operating Temperature</b>	0°C to 50°C (32°F to 122°F)
<b>Storage Temperature</b>	-20°C to 60°C (-4°F to 140°F)
<b>Humidity</b>	5~85% RH
<b>Dimensions</b>	117 x 59 x 22 mm
<b>Weight</b>	150 g



## FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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For the latest drivers/software, please visit [www.startech.com/downloads](http://www.startech.com/downloads)

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