Instruction Manual

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

IC232485S

Packaging Contents

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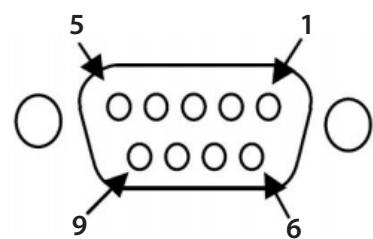- 1 x Instruction Manual

Product Overview

Status LED

RS-232 Connector

RS-422/485 Connector

DIP Switch

DC Jack

Wall Mount Bracket

*actual product may vary from photos

LED Indicators

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

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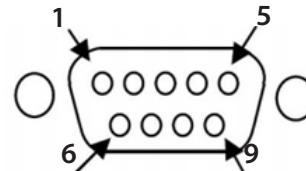
Setting	Position
Auto RS-422/485 (Default) Automatically detect the protocol (RS-422/485) and duplex (full/half)	1: On, 2:Off
RS-422 (4-Wire RS-485) Force the device to RS-422 full duplex mode	1:Off, 2:On

RS-232 Pinout

Pin 1	DCD
Pin 2	RXD
Pin 3	TXD
Pin 4	DTR
Pin 5	GND
Pin 6	DSR
Pin 7	RTS
Pin 8	CTS
Pin 9	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-	

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Specifications

Supported Protocols	RS-232 / 422 / 485
Connectors	1 x DB-9 (9 pin; D-Sub) Female 1 x DB-9 (9 pin; D-Sub) Male
Maximum Baud Rate	921.6 Kbps
Power Adapter	5V, 1A
Enclosure Material	Steel
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
Dimensions	117 x 59 x 22 mm
Weight	5 oz (143 g)

RS-232

IC232485S

RS-422/485

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 to an outlet on a different circuit than the receiver.
- Consult the dealer or an experienced radio/TV technician for help.
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device. If shielded interface cables are included with the product, or if additional components or accessories are designated for use with the installation, they must be used to ensure compliance with FCC regulations.

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For the latest drivers/software, please visit www.startech.com/downloads

Warranty Information

This product is backed by a one year warranty.
In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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