

Features

- Converts RS232 ↔ RS422/485
- RS422/485 optical isolated
- RS485 bitrate adaptive ART (Automatic Receive Transmit control)
- RS422 with Hardware handshake
- Full Software Configuration, NO Jumpers. Quick configuration for standard modes
- Flexible power 9-30V DC
- LED indicator for Power and signals
- Internal Termination and BIAS by software
- DIN-Rail mountable

■ ■ Network to USB

Converter

RS232 to RS422/485 Converter

RS422/485 Converters

Overview

The RS485/422 to RS232 converters adapt standard Com ports of a PC to the electrical specifications of RS485 or RS422 networks. Applications on the PC get simple access to the devices connected to such networks.

RS422 and RS485 are designed to support very long transmission lines, high data rates of up to 1 MBit/s, as well as multiple devices connected at the same time. These features are superior to RS232.

These functions also allow to transmit RS232 signals through a pair of these converters. This allows to extend the limited communication range of RS232 up to the limits of RS422. At the same time the converters can isolate the RS232 link.

The SER-485 Lite is a Low-Cost variant of SER-485 PRO, restrictions are configuration, not function. The SER-485 Lite convert bidirectional signals from RS232 to RS422 and RS485. In RS485 mode the data direction is managed by the bitrate adaptive function of ART (Automatic Receive Transmit control). ART analyzes the data in real-time, and adapts to the setup of the RS232 port.

All options and parameters of SER-485 PRO operation are configured by software, controlled via an easy-to-use menu structure. This menu is accessed via standard terminal programs. The SER-485 PRO is a NO Jumper type of device.

The SER-485 PRO-SI is an optical isolated variant of the SER-485 PRO. Further the device is Surge Protected up to 4kV.



For more information, visit www.vscom.de or contact us by sales@vscom.de



Converter

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Why VSCOM ?

With over 15 years of R&D experience, VSCOM is a leading global provider of serial connectivity solutions.

Our products enable customers to easily establish data transfer and data management solutions, relying on state-of-the-art technologies.

We are pleased to provide customers the best fit of advanced technology solutions together with qualified technical support and reliable service for customer's business success.

Specifications	
RS232	DTE/DCE selected by DIP
RS485	Automatic Receive Transmit control (ART) Baudrate adaption in real time
Line Adjust	Built-in Termination and Polarization (BIAS) resistors
Operation Modes	RS422 with hardware handshake RS485 by ART, RTS or DTR RS485 Half- and Full-Duplex Two basic modes selected by DIP switch
Cable Length	Max. 1200 m
Speed	Max. 1Mbps, Max. 250kbps with ART
Connector	RS232 1x DB9 female, RS485/RS422 1 x DB9 male plus Terminal Block (5 c-clamps)
Configuration Menu	Various parameters of signal conversion are defined via an easy-to-use menu interface, access is via standard terminal programs (Hyperterminal, miniterm, ...)
Operation Modes	RS422 RS485 by RTS RS485 by DTR RS485 by ART (Automatic Receive Transmit control)
ART options RS485	Transmit/Receive change as quick, average, standard
Wiring	RS422 (4-wire), RS485 Full Duplex (4-wire) RS485 Half Duplex (2-wire) with Echo, RS485 Half Duplex (2-wire) no Echo
Termination	RS422/485 line termination 120Ω isolated by relay, controlled via software configuration
RS485 BIAS	BIAS (polarization) by special drivers, controlled via software configuration
Power requirements	9-30V DC, 800mW
Power supply Adapter	12V DC, 500mA
Dimensions	58 x 92 x 28 mm (W×L×H)
Operating Temp.	0°C - 60°C
Storage Temp.	-20°C - 85°C
Case	SECC sheet metal (1mm)
Weight	160g
EMC	FCC Class A, CE Class A
Environment	RoHS

Available models

1-port: SER-485 Lite, SER-485 PRO, SER-485 PRO-SI

Distributor

Where to buy?

VSCOM's global distributors can help you find the right product for your requirements. or contact VSCOM directly: sales@vscom.de

www.vscom.de