

## Product Datasheet - Technical Specifications



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The SER-485 is an adapter to convert bidirectional signals from RS232 to RS422 and RS485 in industrial environments. In RS485 mode the data direction is managed by the bitrate adaptive function of ART (Automatic Receive Transmit control). ARTc analyzes the data in real-time, and adapts to the setup of the RS232 port. All options and parameters of SER-485 operation are configured by software, controlled via an easy-to-use menu structure. This menu is accessed via standard terminal programs. The SER-485 is a NO Jumper type of device. With SER-485 often used operation modes are selected by simple DIP switches. The full versatility is controlled by the built-in software configuration menu. The behaviour of RS422 and various options of RS485 are selected by an easy-to-use menu structure. The internal termination resistors allow to prepare the RS485 signals for connection to customers networks. These internal resistors are controlled by the configuration. There is no need to open the case for configuration. Both the RS232 and the RS422/RS485 interfaces are ESD surge protected. The device is a table, Din-Rail or wall mountable system. The „Mini“ model has an RS485/RS422 interface that is build as a 5 Pin terminal block. The VScom SER-485 replaces the Converters VScom SER-485 Lite and SER-485 PRO.

- Converters from RS232 to RS422/RS485.
- Version ISO: RS422/RS485 optical isolated.
- RS485 bitrate adaptive ARTc (Automatic Receive Transmit control).
- Full software configuration, no jumpers. Quick configuration for standard modes.
- Flexible power 9...30 VDC. Power supply available as an optional accessory.
- LED indicator for power and signals.
- Internal termination by software or DIP.
- DIN-rail mountable.

## SER 485 (ISO)



Model	SER-485	SER-485 ISO	SER-485 Mini	SER-485 Mini ISO
Converter from...to	RS232...1x RS422/RS485			
Rate (kbps)	max. 1 Mbps, max. 250 kbps with ART			
Isolation	-	yes	-	yes
Connector	Port RS232: DB-9 female Port RS422/485: DB-9 female Power Requirements: 3-pin Terminal Block		Port RS232: DB-9 female Port RS422/485: 5-pin Terminal Block Power Requirements: 2-pin Terminal Block	
Protection	16kV ESD surge protection, 2.5kV electric isolation (ISO version only)			
Operating Modes	RS422 full duplex (120Ω on/off) RS485 4 wire, full duplex (120Ω on/off) RS485 2 wire, half duplex (120Ω on/off)			
Configuration	Software Utility with easy-to-use menu interface is accessed via standard terminal programs (Hyperterminal, PuTTY, miniterm, ...)			
ARTc Options	ARTc: Transmit/Receive change as quick, average, standard By RTS signal			
Mounting	DIN-Rail [optional], Wall mount			
Power supply	9...30 VDC, 600 mW			
Size (mm)	115 x 73 x 25		50 x 74 x 22	