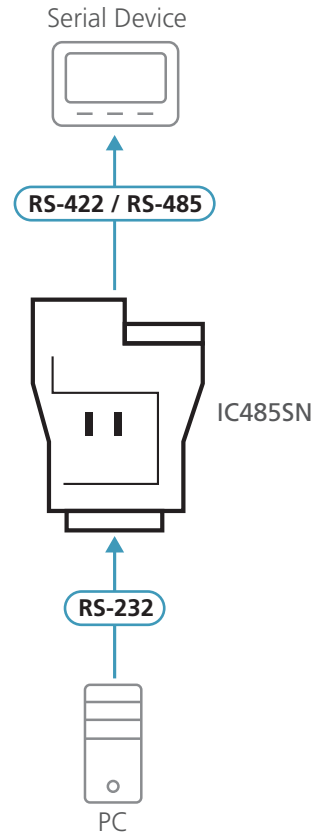# RS-232 / RS-485 Interface Converter

IC485SN

IC485SN is a 2-way converter for converting RS-232 signals to and from RS-422 / RS-485 signals in long-distance applications up to 1200 m (4000 ft.) – without the need of an external power supply.

Serial Device

RS-422 / RS-485

IC485SN

RS-232

PC

Features

- Data transmission controlled by the RTS signal
- DCE / DTE selectable
- Point to point, multidrop, and simplex/duplex link selection
- Four wire full duplex; four wire half duplex
- Compact size.
- Cable distance of up to 1200m (4000 ft)
- Non-powered operation
- Supports baud rates up to 115.2kbps
- OS Support: Windows 2000, Windows XP

Specifications

	IC485SN
Connectors	1 DB-25 Female (RS-232) RS-485 / RS-422 Four Terminal (Block) 1x RJ-11 Female
Switches	DCE / DTE TxON / RxON TxRTS / RxON TxDTR / RTS / RxDSR / ON
Power Consumption	DC 9 V: 0.03 W
Signal Range	1200 m (4000 ft Max)
Data Rate	Up to 100 Kbps under 1200 m (4000 ft)
Environmental	
Operating Temperature	0 – 50 °C
Storage Temperature	-20 – 60 °C
Humidity	0% – 80% RH, Non-condensing
Physical Properties	
Housing	Plastic
Weight	0.06 kg
Dimensions (L x W x H)	7.90 x 5.45 x 2.10 cm

Product information is subject to change without prior notice.