Simply Better Connections

IC485SI

RS-232/RS-485 Interface Converter

IC485SI transfers data according to RTS (transfer requests) signal control. It supports point-to-point and multipoint communication, simplex/duplex connections, and is switchable between full duplex and half duplex, and DCE and DTE. It needs no external power supply and is the most economical and reliable option.

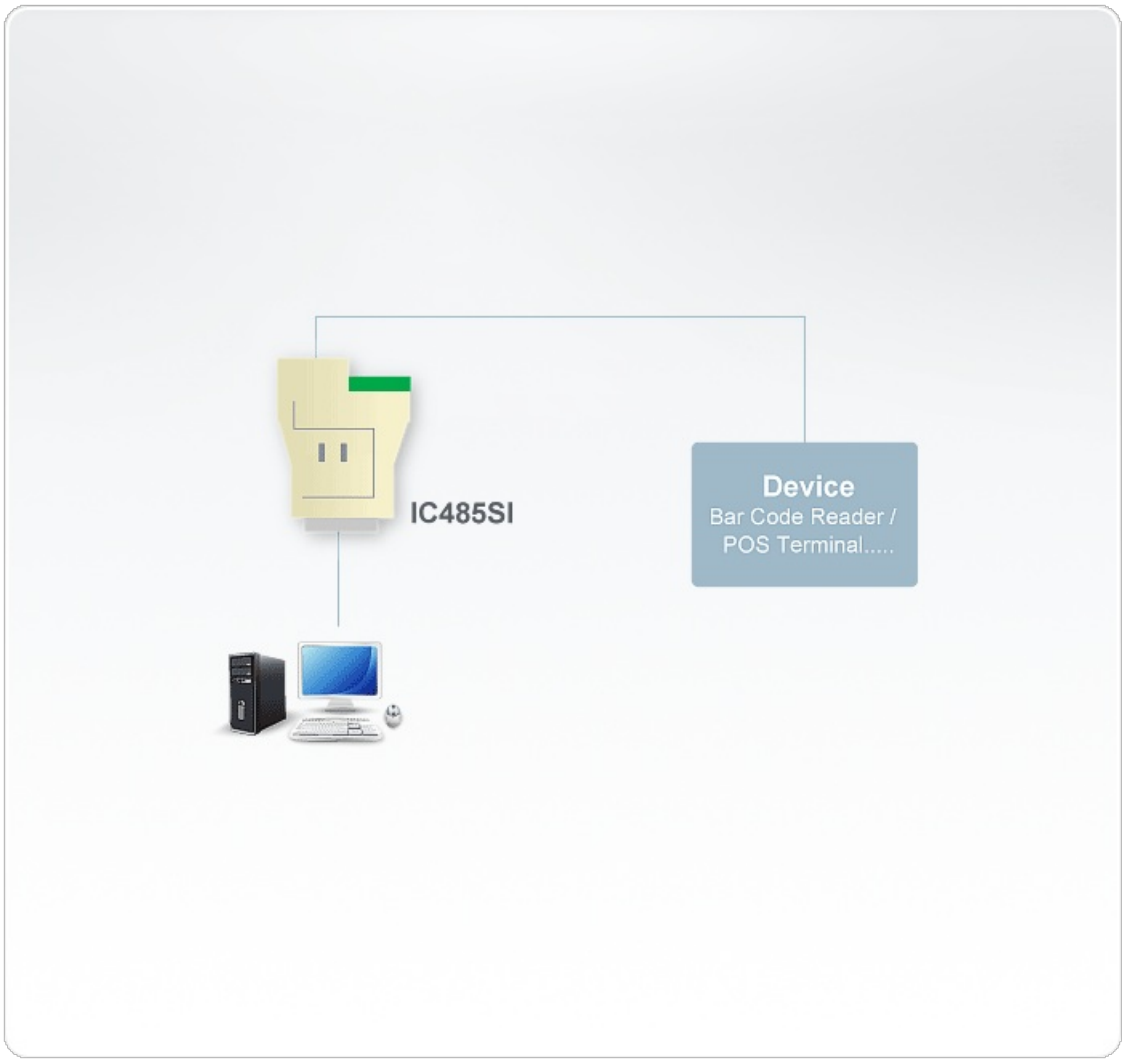
Features

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

Specifications

Connectors	1 DB-25 Female (RS-232) RS-485 / RS-422 Four Terminal Block Grounding Tab
Switches	DCE, DTE TxON, RxON TxRTS, RxRTS TxRTS, RxON
Power Consumption	DC9V:0.81W:4BTU/h Note: ● The measurement in Watts indicates the typical power consumption of the device with no external loading. ● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.
Signal Range	1200 m [4000'] (Max)
Data Rate	Up to 100 Kbps under 1200 m [4000']
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 (0.13 lb)
Dimensions (L x W x H)	7.90 x 5.45 x 2.10 cm (3.11 x 2.15 x 0.83 in.)
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram



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