Simply Better Connections

IC485AI

RS-232 to RS-422/RS-485 Isolated Converter



IC485AI is a 2-way converter converting RS-232 signals into RS-422/RS-485 signals in long-distance application up to 1200m (4000 ft.). Its built-in RS-485 automatic flow and direction monitoring function can suppress signal surge.

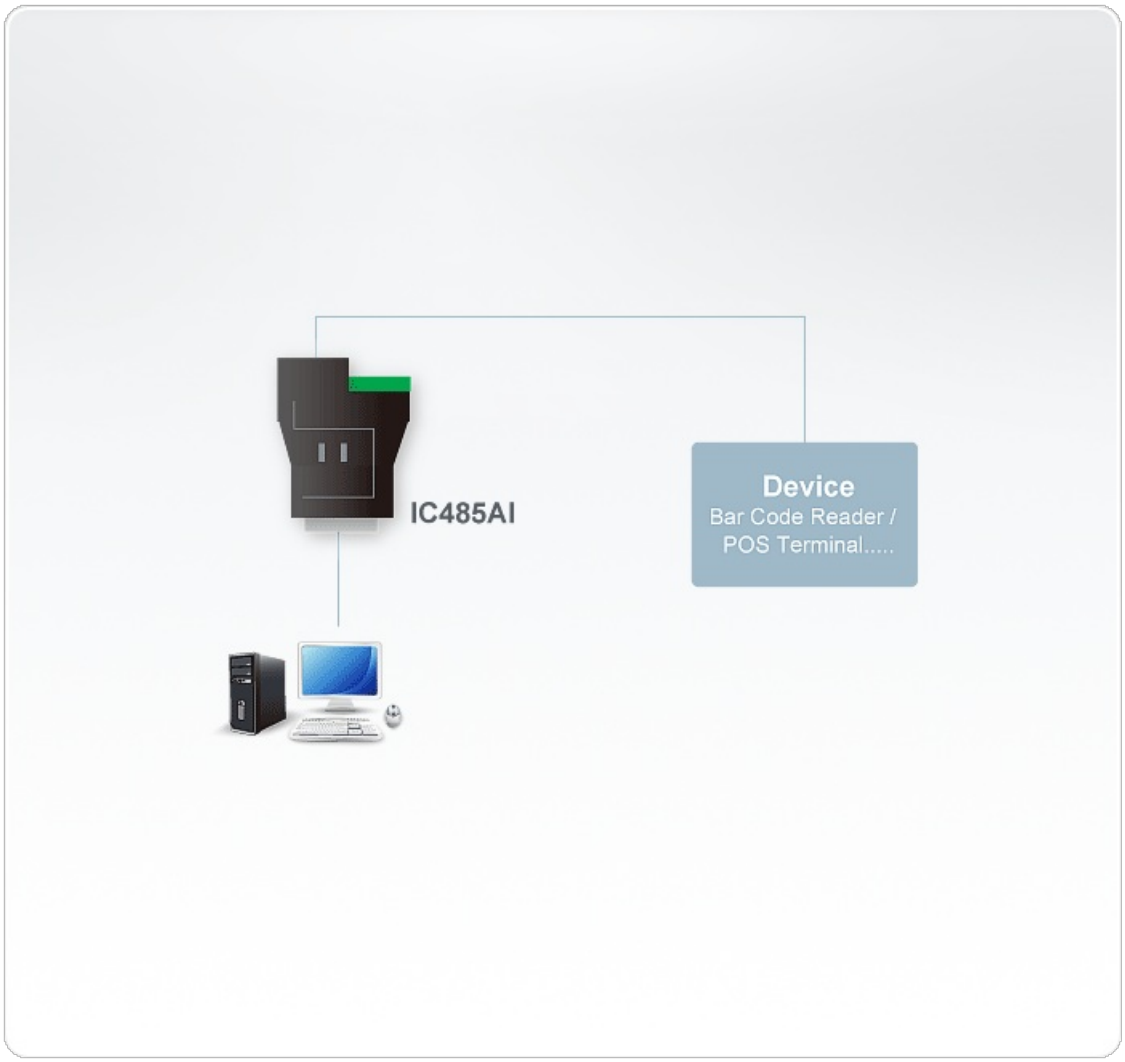
Features

- Automatic internal RS-485 bus supervision.
- No external flow control signals for RS-485 required.
- Transient suppression on RS-485 data lines.
- DCE / DTE selectable.
- Point-to-Point; Multidrop; and Simplex operating modes.
- Four wire full duplex; two wire half duplex.
- LEDs for easy status monitoring.
- Minimum 2000V isolation protection.
- Compact size• Cable distance of up to 1200m (4000 ft.).
- Supports baud rates up to 115.2kbps.
- OS Support: Windows 2000, Windows XP

Specification

Connectors	1 DB-25 Female (RS-232) RS-485 / RS-422 Four Terminal Block Grounding Tab
Switches	DCE, DTE Segment 1~3: Baud Rate; Segment 4: Reserved; Segment 5~6: Data Format (bits); Segment 7~8: RS-422 / RS-485 Operating Mode
Power Consumption	DC9V:0.47W:2BTU
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, NC
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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