

RS232 to RS 485 CONVERTER , DB9

Overview

The BM-TLC485 is a bi-directional port-powered RS232 to RS485 converter. It can convert any standard full duplex RS232C port to any two-wire balanced half duplex RS485 port. In simple terms, it will convert any RS232 signal to a RS485 signal and vice versa. The unit is powered from the RS232 data lines. It also supports data direction auto-turnaround. Therefore, no external power or flow control is required. The data direction auto-turnaround automatically enables the RS485 driver when data is present on the RS232 side making the device plug-and-play, requiring no software drivers.

Key Features

1. Port-powered from RS232 port (TXD,RTS,DTR): no external power is necessary
2. Convert RS-232(TXD,RXD signal) to RS-485 signal
3. Plug-and-Play (hot-pluggable, Data format Auto-sensing & Self-adjusting)
4. Data direction auto-turnaround, no flow control is required
5. Point to multi point, support 128 nodes loopback



Specifications

Standards	EIA RS-232C, RS-485 standard RS-232 signal: TX, RX, GND RS-485 signal: D+, D-, GND
Working Mode	Asynchronism, point to point, 2 wire half-duplex
Transfer Rate	300~115200bps, auto test serial signal rate detect signal speed automatically, zero delay time
Flow Control	Data direction auto-turnaround, no flow control is required
Max No. of Drops	128 nodes
Transfer Distance	RS-485 side: 1.2Km RS-232 side: no less than 5m
Port Protect	1500W surge protection, 15KV ESD protection
Connector	RS-232 side DB9 female, RS-485 side DB9M(DB9F to 3 bit terminal block)
Power	Power input: No power supply need, powered from RS-232 port TXD, RTS, DTR Consumption: Static less than 10mA, dynamic less than 40mA
Environment	Operating temperature: -10°C to 60°C (14° to 140°F) Storage temperature: -40°C to 85°C (-40° to 185°F) Humidity: 5% to 95% (no condensation)
Dimensions	90.0mm×33.0mm×16.5mm(DB9), (3.5 x 1.3 x 0.65)" Weight: 40g, plastic shell

Ordering Information

BM-TLC485/9	BSD RS 232 to RS 485 converter , port powered DB9
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