BB-485SD9R BB-485SD9TB

RS-485 Converter, Port Powered



Features

- Extend RS-232 data signals up to 1.2 km
- Convert RS-232 TD and RD to RS-485 signals
- Automatic Send Data Control no software drivers necessary
- Baud rates up to 115.2 kbps
- Powered from RS-232 handshake lines no power supply required

Specifications

Serial Technology

Data Rate 115.2 kbps, maximum

RS-232 Connector BB-485SD9R: DB9 female BB-485SD9TB: DB9 female

IND: DDN fomale

■ **RS-485** BB-485SD9R: DB9 female

BB-485SD9TB: Terminal board

Biasing Resistors
4.7k Ohms

Power

• **Source** Port-powering: from RS-232 handshake lines.

External power option, 12-16 V_{DC} (BB-485SD9TB

only)

Power Connector Terminal block (BB-485SD9TB only)
Input Voltage 12 V_{DC} (BB-485SD9TB only)

Power Consumption 40mA, maximum

Mechanical

Dimensions BB-485SD9R: 60.0 x 32.0 x 16.0 mm

BB-485SD9TB: 87.0 x 32.0 x 16.0 mm

Enclosure PlasticWeight 81.6 gm

Meantime Between Failures (MTBF)

■ **MTBF** BB-485SD9R: 986473 hours

BB-485SD9TB: 968410 hours

• MTBF Calc. Method MIL 217F Parts Count Reliability Prediction

Wiring Information

 Refer to Quick Start Guide for wiring information, including terminal and pin identification. Available on website.

Environmental

• Operating Temperature 0 to +70 °C

■ Storage Temperature -40 to +85 °C

• Operating Humidity 0 to 95%, non-condensing

Regulatory

• FCC Part 15, CISPR, CE

• **CE - Directives** 2014/30/EU - Electromagnetic Compatibility

2011/65/EU amended by 2015/863/EU - Reduction of

Hazardous Substances Directive (RoHS) 2012/19/EU - Waste Electrical and Electronic

Equipment (WEEE)

• **CE - Standards** EN 55032 Class B - Electromagnetic Compatibility of

Multimedia Equipment - Emission Requirements EN 55024 - Information Technology Equipment -Immunity Characteristics - Limits and Methods of

Measurement

EN 61000-6-3 + A1 - Generic Emission Standard for Residential, Commercial and Light-industrial

Environments (Class B)

EN 61000-6-1 - Generic Immunity Standard for Residential, Commercial and Light-industrial

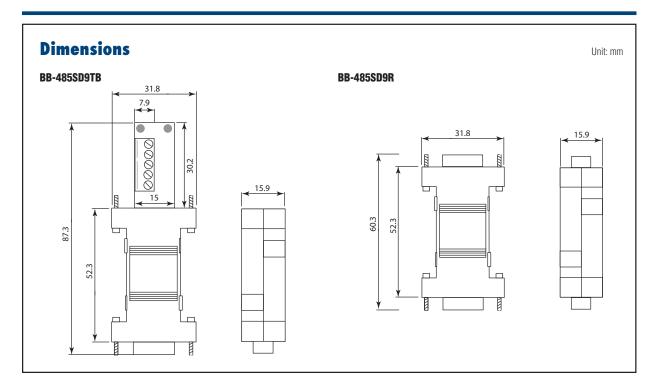
Environments

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BB-485SD9R BB-485SD9TB



Ordering Information

Model Number	RS-232 Connector	RS-485 Connector	Output	Optional Power Supply
BB-485SD9R	DB9 Female	DB9 Female	RS-485 2-wire	-
BB-485SD9TB	DB9 Female	Terminal Block	RS-485 2-wire	✓

Accessories – Sold Separately

BB-SMi6-12-V-ST Power Supply, 12 $V_{\text{DC}}\,6$ Watt, Stripped and Tinned,

International AC Input, International AC Blades

■ BB-9PAMF6 DB9 Male to DB9 Female Adapter Cable, 1.8 m

Online Download www.advantech.com/products



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