

BB-232LB9R

RS-232 9-pin Line Booster



Introduction

Model BB-232LB9R is a 9-pin RS-232 repeater that retransmits all 8 signals and carries the Ground line through. Many computers, laptops and desktops feature low-power versions of RS-232 ports that are unable to drive port-powered devices or full-length RS-232 cabling.

Model BB-232LB9R amplifies these weak signals up to the RS-232 Standard for uses such as running port-powered devices (see Figure 1). It is suitable for extending full-powered RS-232 cable runs beyond the typical 15 to 30 meters (50-100 ft) distance recommendation (see Figure 2).

Note: An external power supply is required, not included, sold separately. Model BB-SMI6B12V-P230C1 is recommended.

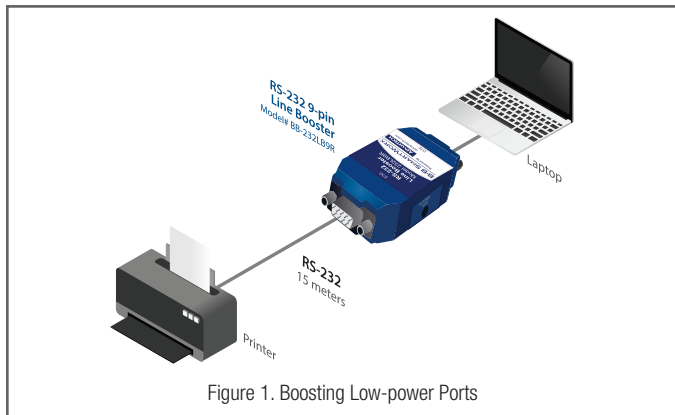


Figure 1. Boosting Low-power Ports

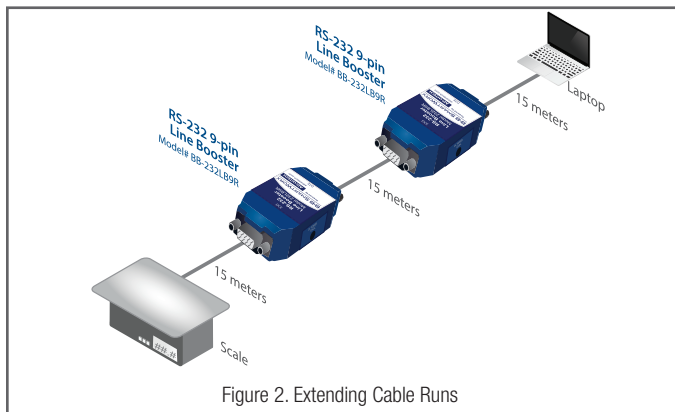


Figure 2. Extending Cable Runs

Features

- Amplify and extend RS-232 signals beyond 15.24m (50 ft) limit
- Daisy-chain multiple repeaters for even extra range
- Boost lower power RS-232 ports
- Data rates up to 115.2 kbps
- Quick, convenient in-line installation
- Power supply required (not included, sold separately)

Ordering Information

| Model No. | Description |
|------------|--|
| BB-232LB9R | RS-232 9-pin Line Repeater, DB9F to DB9M |

Accessories – Sold Separately

BB-SMI6B12V-P230C1 – power supply, 12 Vdc, 6 W, 2.5mm plug, int'l. AC input
 BB-9PAMF6 – DB9 male to female cable, 1.83 m (6 ft)

Specifications

| Serial Technology | |
|---|--|
| DCE Connector | DB9 female |
| DTE Connector | DB9 male |
| Data Rate | Up to 115.2 kbps |
| Power | |
| Supply Voltage | +12 to +16 Vdc @ 40mA, maximum |
| Mechanical | |
| Dimensions | 7.9 x 4.3 x 2.1 cm |
| Environment | |
| Temperature Range | 0 to +70 °C |
| Meantime4 Between Failures (MTBF) | |
| MTBF | 1560793 hours |
| Calculation Method | MIL 217F using Parts Count Reliability Prediction Method |
| Regulatory – Approvals / Standards / Directives | |
| FCC Class B, CE | |
| CE - Directives | 2014/30/EU – Electromagnetic Compatibility (EMC) 2011/65/EU – amended by (EU) 2015/863 Reduction of Hazardous Substances (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 |

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