BB-232LB9R

RS-232 9-pin Line Booster

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)

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.

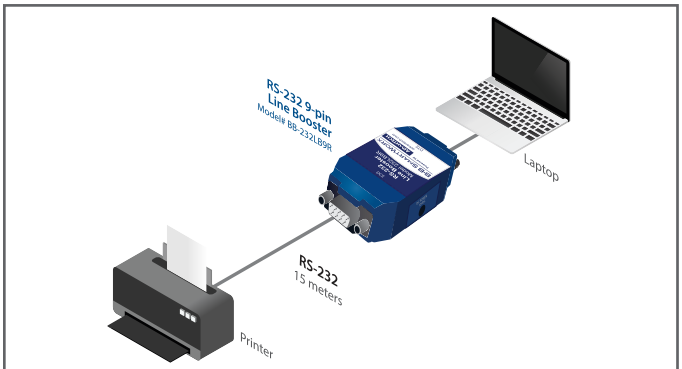

Figure 1. Boosting Low-power Ports

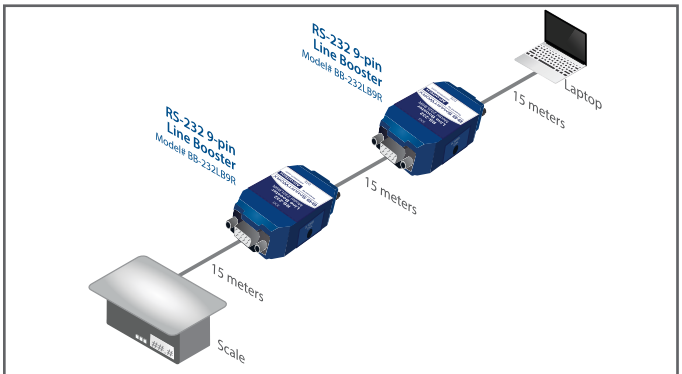

Figure 2. Extending Cable Runs

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)	
MTFB	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