

RS-232 Baud Rate Converter

Model BB-232BRC

B+B SMARTWORX

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PRODUCT FEATURES

- Interconnects devices with different data rates, formats, handshaking, printer ports
- Data rates up to 115.2 kbps; all standard data formats
- 16 kB buffering on each port prevents data loss
- Hardware and software flow control
- Quick inline installation
- Power supply required, not included, sold separately

OVERVIEW

Put legacy equipment with incompatible communications standards back into service. Many older or proprietary system devices lack the option to reconfigure baud rates, data formats, and handshaking.

Model BB-232BRC acts as a translator between asynchronous devices, matching each device's needs while maintaining the highest possible throughput. Each side can be individually configured to suit the device connected to it.

Model BB-232BRC supports data rates up to 115.2 kbps and all standard data formats. Each side can either supply or accept hardware or software handshaking, allowing the higher speed device to be located on either port. The included PC setup software walks the user through possible options. Once configured by a PC, the module may be installed on any system. Non-volatile memory maintains parameters when power is removed. A detailed instruction manual and software is provided on the included CD ROM.

A 12VDC power supply is required, not included, sold separately.

ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
BB-232BRC	RS-232 Baud Rate Converter

ACCESSORIES – sold separately

BB-SMI6-12V-P230C1 - Power Supply, 12 VDC, 500mA, 6 Watt, 2.5mm Plug, International AC Input, International AC Blades

BB-9PAMF6 - DB9 Male to DB9 Female Serial Adapter Cable, 1.83 m (6 ft)

SPECIFICATIONS

SERIAL	
Interface	RS-232 asynchronous
Connectors	Port A = DB9F (DCE) Port B = DB9M (DTE)
Data Rate	Up to 115.2 kbps
Data Bits	5, 6, 7, or 8 (Factory default = 8)
Parity	Even, Odd, or None (Factory default = None)
Stop Bits	1 or 2 (Factory default = 1)
Flow Control	Hardware (RTS/CTS), Software (X-On/X-Off), or None
Buffer Memory	16 kB
LEDs	Buffer A, Buffer B, Power
POWER	
Power Requirement	12 VDC @ 100 mA (required)
Input Voltage	12 to 17 VDC @ 60 mA (maximum)
Power Connector	2.5 mm jack (positive tip)
SOFTWARE	
O/S	Windows 95, 98, NT, 2K, XP, Vista compatible
MECHANICAL	
Dimensions	14.6 x 9.1 x 3.0 cm (5.8 x 3.6 x 1.2 in)
MEANTIME BEFORE FAILURE (MTBF)	
MTBF	2079590 hours
MTBF Calc. Method	MIL217F Parts Count Reliability Prediction
REGULATORY APPROVALS, DIRECTIVES, STANDARDS	
FCC, CE	
CE - Directives	2014/30/EU - Electromagnetic Compatibility Directive 2011/65/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 +A1 - Information Technology Equipment - Immunity Characteristics - Limits and Methods of Measurement EN 61000-6-3 +A1 - Generic Emission Standard for Light Industrial Environments (Class B) EN 61000-6-1 - Generic Immunity for Residential, Commercial and Light-Industrial Environments

All product specifications are subject to change without notice.
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