

BMS-136

1-Port High Speed Serial Device Server



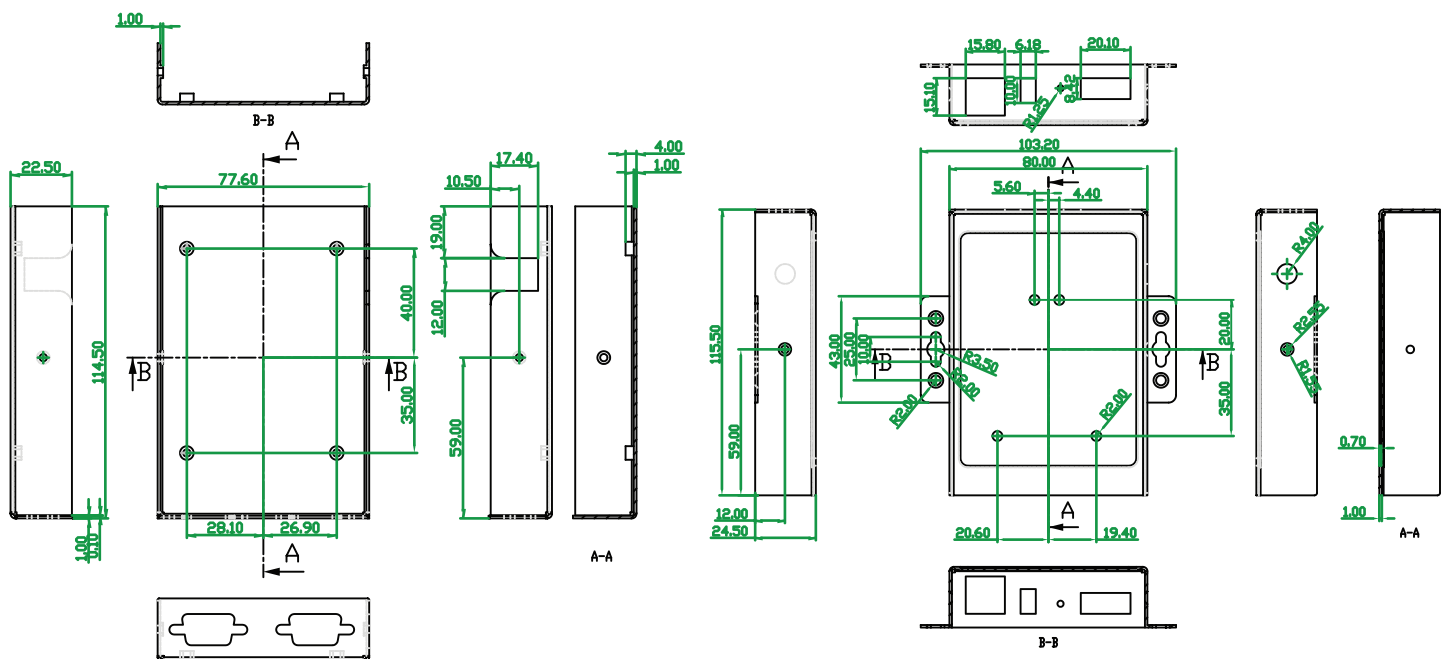
Features

- ✓ **High Performance Design**
- ✓ Connects RS-232/422/48 devices to TCP/IP network
- ✓ Provides 1 serial ports supporting RS-232/422/485
- ✓ Supports 10/100 Mbps Ethernet
- ✓ Supports 230.4 Kbps serial data rate
- ✓ Supports TCP/Server, TCP/Client, UDP and paired connection mode with heart-beat checking mechanism
- ✓ Supports Virtual COM driver included for backward compatibility
- ✓ Supports Web/Telnet/Serial consoles for device configuration
- ✓ Supports Windows utility for device configuration and management
- ✓ Firmware upgradeable
- ✓ **Robust Industrial Design**
- ✓ Robust metal case
- ✓ Supports operating temperature 0 to 60°C
- ✓ Wall mount or DIN-Rail installation
- ✓ **Reliable Power Design**
- ✓ Wide power Input from 9~15 VDC
- ✓ External power adapter available different power plug standards

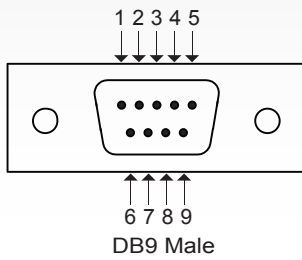
Overview

The Boxer series BMS-136 is a 1-port high speed Serial device server. It is designed to translate data between the serial and Ethernet formats, allowing users to access, manage and configure remote facilities or equipments over the Internet from any location. BMS-136 provides quick, reliable and seamless integration of existing RS-232/422/485 devices to an Ethernet network. The unique hardware and software design of BMS-136 enables you to connect RS232/422/485 serial devices to Ethernet network at a minimal transition cost. It is equipped with versatile operation modes which provides a transparent data channel between serial device and the TCP/IP network, so that the serial device can be accessed through standard TCP/IP protocols. The BMS-136 can function as a TCP server, a TCP client or an UDP node and can re-establish the TCP connection every 5 seconds in case a network malfunction occurs, to keep the device stay connected as soon as possible.

Dimensions



Pin Assignments



DB9 M Male	RS-232	RS-422	RS-485
1	DCD	RX-	---
2	RXD	RX+	---
3	TXD	TX+	Data+
4	DTR	TX-	Data-
5	GND	GND	---
6	DSR	CTS-	---
7	RTS	CTS+	---
8	CTS	RTS+	---
9	RI	RTS-	---

Hardware Specifications

Network Interface

Speed	10/100 Mbps
Connector	8-pin RJ-45

Serial Interface

Serial Port	1 x RS-232/422/485 serial port
Connector	Male DB9
Serial Port 1	RS-232/422/485, software selectable

Serial Communication Parameters

Baud Rate	110 bps to 230.4 Kbps
Parity	None, Even, Odd, Mark, Space
Data Bit	5, 6, 7, 8
Stop Bit	1, 1.5, 2 bits
Flow Control	None, RTS/CTS, XON/OFF

Physical

Housing	Metal
Weight	350g
Dimensions	81 mm (W) x 113 mm (H) x 24 mm (D)

Environmental

Operating Temperature	Regular: 0 to 60°C
Storage Temperature	-20 to 80°C (-4 to 176°F)
Operating Humidity	10%~80% RH (Non-condensing)

Power Requirements

Power Input	9~15VDC
Power Consumption	400 mA @ +12VDC

Technology Specifications

Protocols	TCP, UDP, HTTP, Telnet, IP
IP Addressing	DHCP, Static IP
Operation Mode	TCP/Server, TCP/Client, UDP mode, Paired connection mode
Heart Beat Mechanism	Port: 5300
Virtual COM Mode	Supports Windows XP/2K/98/NT 4.0
Configuration Mode	Web console Telnet Console Serial console Windows Utility

Regulatory Approvals

EMI	FCC Class A
EMS	EN6100-4-2
	EN6100-4-3
	EN6100-4-4
	EN6100-4-5
	EN6100-4-6
	EN6100-4-11
Safety	CE/EN60950
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Free Fall	IEC60068-2-32
Environmental	WEEE, RoHS
MTBF	300,000 hrs based on Mil-Hdbk-217F, GB
Warranty	5 years

Ordering Information

BMS-136	1-Port High Speed Serial Device Server
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Recommended Accessories

DRK-35	Mounting Kit for 35-mm DIN-Rail
EU Power Adaptor	External power supply 230 VAC 50 Hz
UK Power Adaptor	External power supply 230 VAC 50 Hz
US Power Adaptor	External power supply 120 VAC 60 Hz
JPN Power Adaptor	External power supply 100 to 240 VAC, 50/60 Hz



1800 817 807
sales@alloy.com.au
www.alloy.com.au

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Alloy Computer Products Australia Pty Ltd

Melbourne
4/585 Blackburn Road
Notting Hill, VIC 3168
Tel: (03) 8562 9000
Fax: (03) 9561 7412

Canberra
2/42 Geils Court
Deakin, ACT 2600
Tel: (02) 6291 4922
Fax: (02) 6291 8100

Sydney
99 Baxter Road
Mascot, NSW 2020
Tel: (02) 8080 9600
Fax: (02) 8080 9602