SB72 EX

2-Port Serial to Ethernet Server
100 Version

NetBurner

Key Points

- Serial to Ethernet server
- RS-232 and RS-422/485 serial device support
- Works out of the box - no programming is required
- Metal enclosure
- Rebrand with your custom product label
- Customize with development kit

Features

- 10/100Mbps Ethernet
- TCP/UDP/Telnet modes
- DHCP/Static IP modes
- Web based configuration
- 32-bit performance

Optional

The following options are available with the optional development kit:

- Customize any aspect of operation including web pages, data filtering, or custom network applications
- Additional baud rates available

The following optional software modules not included with kit and are sold separately:

- SNMP

Factory Application Specifications

Serial Port Baud Rate
Factory application supports up to 115,200 baud. Higher baud rates are available with development kit, but require custom programming.

Serial Protocols Supported
RS-232, RS-422, and RS-485

Serial Configurations
The two UARTs can be configured in the following ways:
- Two RS-232 ports
- One RS-232 port, one RS-485/422 port

Hardware Specifications

Processor and Memory
32-bit Freescale ColdFire 5272 running at 62.5MHz with 2MB of flash and 8MB of SDRAM.

Network Interface
10/100 BaseT RJ-45 connector

Data I/O Interface
- Two UARTs

LEDs
Link, speed/data, power

Physical Characteristics
Dimensions (inches): 4.20" x 3.25" x 1.00"

Power
Power Input: 7-24 VDC
Power Consumption: Typical 2W
                      Max 3W

Weight: 6.1 oz

Environmental Operating Temperature
0° to 70° C

RoHS Compliance
The Restriction of Hazardous Substances guidelines ensure that electronics are manufactured with fewer environment harming materials.

Agency Approvals
UL, C/UL, CE, FCC

SB72 EX

Connector Interface Description and Pinouts

Table 1: **Serial Port Connector (Port 0) Pinout and Signal Description[1]**

Pin	RS-232 Function	RS-485 Function	Description	Max Voltage
1	CD	-	Carrier Detect	RS-232
2	RX	FD TX- / HD-	Recieve or Full Duplex Transmit- / Half Duplex-	RS-232 or RS-422/485
3	TX	FD TX+ / HD+	Transmit or Full Duplex Transmit+ / Half Duplex+	RS-232 or RS-422/485
4	DTR	-	Data Terminal Ready	RS-232
5	GND	GND	Ground	-
6	DSR	FD RX-	Data Set Ready or Full Duplex Recieve-	RS-232 or RS-422/485
7	RTS	FD RX+	Ready to Send or Full Duplex+	RS-232 or RS-422/485
8	CTS	-	Clear to Send	RS-232
9	RI	-	Ring Indicator	RS-232

Note:

1. Port 0 can be configured to as RS-232 or RS-485

Table 2: **Serial Port Connector (Port 1) Pinout and Signal Description**

Pin	Port 1 RS-232	Description	Max Voltage
1	CD	Carrier Detect	RS-232
2	RX	Recieve	RS-232
3	TX	Transmit	RS-232
4	DTR	Data Terminal Ready	RS-232
5	GND	Ground	-
6	DSR	Data Set Ready	RS-232
7	RTS	Ready to Send	RS-232
8	CTS	Clear to Send	RS-232
9	RI	Ring Indicator	RS-232

Part Numbers

SB72 EX 2-Port Serial to Ethernet Server
Part Number: SB72-EX-100CR

DIN Rail Mounting Kit (100 Version, double sided)
Part Number: DIN-100

DIN Rail Mounting Kit (200 Version, single sided)
Part Number: DIN-200

SB72 EX Development Kit
Part Number: NNDK-SB72EX-KIT
Kit includes all the hardware and software you need to customize the included platform hardware. See NetBurner Store product page for package contents.

SNMP V1 (Module License Version)
Part Number: NBLIC-SNMP
Available as an option if you are using a development kit.

Ordering Information

E-mail: sales@netburner.com
Online Store: www.NetBurner.com
Telephone: 1-800-695-6828

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