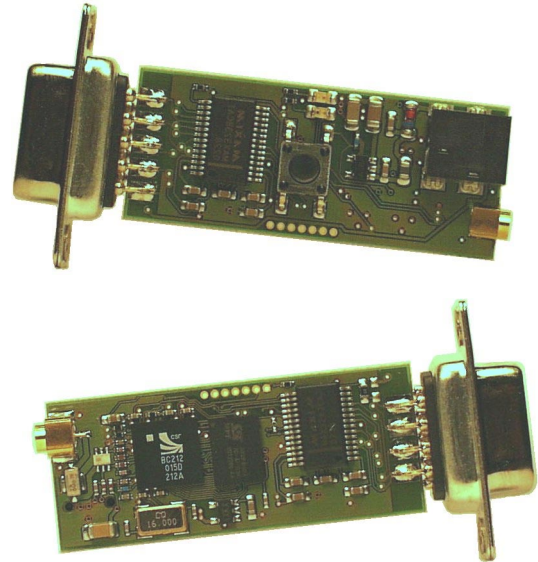


BlueSerial Bluetooth Adapter

General Description

The BlueSerial Bluetooth serial port adapter makes it easy to turn any device with an RS232 compatible serial port into a Bluetooth device. It enables wireless communication with other Bluetooth devices like computers, PDAs, cell phones and many more. Because of its small size (18x44mm excluding the SUB-D connector) it can be used even in environments where only limited space is available. Two LEDs provide monitoring of the actual operation mode.



Features

- Complete RS232 serial port (9-pin) with automatic DTE/DCE detection.
- External power supply 4..10 Volts (other options on request).
- Antenna plug allows mounting in metal case.
- Bluetooth Class 2, range up to 30 meters.
- Bluetooth 1.1 Standard.
- Bluetooth profiles Serial Port, LAN Access, Dial Up Networking, Fax.
- Bluetooth options authentication, encryption and role switch are supported.
- Automatic or manual configuration.
- Manual configuration over Bluetooth link or serial port.
- Automatic connection management, no additional software required.
- Dimensions 32x57x14mm (incl. SUB-D connector).
- Special options like battery power supply, TTL level serial port, analogue or digital I/Os or audio port on request.

Typical Applications

- Wireless sensors.
- Wireless service ports.
- Remote Control for industrial or medical applications.
- POS Terminals.

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Technical Specifications

Radio Transmission	
Frequency Range	2.402 - 2.480 GHz
Transmit Power	+ 4dBm maximal (Bluetooth Class 2)
Input Sensitivity	better than -80 dBm
Modulation	GFSK Modulation with frequency hopping.
Connectors	
RS232	SUB-D 9 Pin, female automatic DTE/DCE detection 1200 to 230 kBaud Baud rate, Parity, Data Bits fixed or over Bluetooth protocol.
Antenna	MMCX 50 Ohm
Power Supply	1.3 mm power connector 4..10 Volt, 100 mA (max)
Bluetooth	
Version	1.1
Protocols	L2CAP, SDP, RFCOMM
Bluetooth Profiles	Generic Access, Service Discovery, Serial Port, LAN Access, Dial Up Networking, FAX
Device Role	Slave and/or Master
Role Switch	supported
General	
Dimensions	32x57x14mm

Package Contents

BlueSerial Adapter, antenna, wall box power supply, user manual and configuration software on CD.

Options

- Larger PCB with additional mounting holes.
- DTE only or DCE only versions.
- Power supply through D-SUB connector pin 9.
- Antenna cable with SMA connector.
- Others on request.