

# EZURiO

Product Brief: BHCRS02BI

## **Bluetooth<sup>®</sup> RS232 Adapter**

**Part No: BHCRS02BI**



The EZURiO RS232 Adapter allows any device with a standard DB9 RS232 to upgrade to *Bluetooth* wireless connectivity. Using an EZURiO pre-approved module means no further approval required. Combined with our AT style interface this brings versatile adaptation to cable replacement within easy reach.

### **Key Features**

- Class 1 "Plug-in" *Bluetooth* device
- Range up to 250 metres
- Simple AT style interface
- Integrated antenna
- Industrial temperature range -40°C to +85° operational range
- Fully approved standalone product – no further approval cost
- Embedded *Bluetooth* stack
- Field upgradeable
- Remote configurable
- Profile support including: SPP, DUN, FTP client
- 2 year warranty

This product has been designed as a true industrial adapter, with an exceptional range of up to 250 metres ensuring a reliable and robust connection regardless of the environment, thus allowing connection to any other *Bluetooth* device using the same profile. The *Bluetooth* RS232 Adapter can be used as a direct cable replacement in any application utilising an RS232 port.

### **Key Benefits**

- Fastest time to market
- Rugged design
- Low power
- Low cost of ownership
- No host stack required
- Fully approved

The *Bluetooth* RS232 Adapter supports all the major serial profiles including the Serial Port, Dial up Networking and FTP client.

# Bluetooth RS232 Adapter

## Features

Features
Version 1.1 <i>Bluetooth</i>
9 pin female D type connector
Fully approved standalone product – No approval cost
Designed for any RS232 port cable replacement
Integrated antenna with up to 250m range
Sleek design with a cable for external cabinet mounting
Low current consumption
Data rates up to 250 kbps
Industrial Temperature range
Wide ranging profile support: SPP, DUN, and FTP client
Multipoint supported
Field upgradeable
2 Year warranty



## Key benefits

Fastest time to market	Ergonomically designed
Lowest cost of ownership	Direct RS232 replacement

Supports encrypted data	Low power consumption
Robust design	Extensive technical support

## Overview of the technical specification

Feature	Implementation
<i>Bluetooth</i>	Class 1
Frequency	2.400 – 2.485 GHz
Max Transmit Power	+ 6dBm
Min Transmit Power	- 27dBm
Idle Power	88mA typical
Receive Sensitivity	Better than -85dB

Feature	Implementation
Physical Size	102 X 54 X 5 mm, 30g
<i>Bluetooth</i> Qualified	<i>Bluetooth</i> 1.1
Temperature Range	-40°C to +85°
Multipoint	Option
Range	250m (free space)
Power Range	

The details contained within the document are subject to change; please download the product specification available from [www.ezurio.com](http://www.ezurio.com) for the most up to date specification