

BN 2134049

Bluetooth Transmission Module

EN Quick Instructions

Version: 3

Delivery Content

- Module
- Jumper cable

Description

The module is a Bluetooth HC-05 SPP (Serial Port Protocol) module, designed for a wireless serial connection setup.

Features

Product features

- V2.0+EDR, 3 Mbps
- 2.4 GHz radio transceiver and baseband
- CSR Bluecore 04-External single chip
 - CMOS technology
 - AFH (Adaptive Frequency Hopping)
- PIO control
- UART interface with programmable Baud rate
- Integrated antenna
- Edge connector

Software features

- Baud rate: 38400 (default)
- Data bits: 8, Stop bit: 1, Parity: No parity, Data control: yes
- Supported Baud rates: 9600, 19200, 38400, 57600, 115200, 230400, 460800.
- Given a rising pulse in PIO0, device will be disconnected.

- Status instruction port PIO1:
 - low (disconnected)
 - high (connected)
- PIO10 and PIO11 can be connected to red and blue LED separately. When master and slave are paired, red and blue LED blinks 1 time/2s, while disconnected only the blue LED blinks 2 times/s.
- Auto-connects to the last device when powered on (default).
- Permits pairing device to connect as default.
- Auto-pairing PINCODE: "0000" (default)
- Auto-reconnect in 30 min when disconnected as a result of being out of range.

Specifications

Operating voltage	1.8 - 3.6 V/DC
Operating voltage Low Power	1.8 V/DC
Bluetooth version	V2.0+EDR
Data rate (max.)	3 Mbps

Sensitivity	-80 dBm
Supported Baud rates	9600, 19200, 38400, 57600, 115200, 230400, 460800
Transmission frequency	2.402 - 2.480 GHz
Transmission power (max.)	+4 dBm
Transmission distance (max.)	10 m
Dimensions (approx.)	36 x 16 x 10 mm
Weight (approx.)	8 g

Declaration of Conformity (DOC)

Conrad Electronic SE, Klaus-Conrad-Straße 1, D-92240 Hirschau hereby declares that this product conforms to the 2014/53/EU directive.

Click on the following link to read the full text of the EU declaration of conformity: www.conrad.com/downloads

Select a language by clicking on a flag symbol and enter the product order number in the search box. You can then download the EU declaration of conformity in PDF format.

Disposal



Electronic devices are recyclable waste and must not be disposed of in the household waste.

At the end of its service life, dispose of the product in accordance with applicable regulatory guidelines.

You thus fulfill your statutory obligations and contribute to the protection of the environment.

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