**Description**

This is a SMD BLE module used in our BLE Bee and Xadow BLE. It is based on TI cc2541 chip, enables robust network nodes to be built with low total bill-of-material costs and highly suited for ultralow power consumption systems. The module is small and easy to use, with the preprogrammed firmware of manufacturer, you can quickly build BLE communications via its AT command. Supporting BLE communications with iphone, ipad and Android 4.3.

**Features**

- Bluetooth protocol: Bluetooth Specification V4.0 BLE
- Working frequency: 2.4 GHz ISM band
- Interface way: a serial port
- Open environment within 30 meters can realize communication between modules
- To send and receive no byte limit between modules
- Modulation method: GFSK (Gaussian Frequency Shift Keying)
- Transmission power: - DBM, 23-6 DBM, 0 DBM, 6 DBM, can be modified by the AT command
- Use TI CC2541 chip, configuration space of 256 KB, support the AT command, the user can according to need to
  - change the role (master, slave mode) and the serial port baud rate, name of equipment, matching parameters such as passwords, use agile.

**Specification**

- Power supply: DC 3.3V
- Communication protocol: Uart(TTL)
- Default baud rate: 115200bps
- Transmit current: 15mA
- Receive current: 8.5mA
- Deep sleep current: 600uA
- Operating temperature: -40 – +65°C
- Outline dimension: 13.5 x 18.5 x 2.3mm

**Document**

- HM-11 manual

**Best-sellers**

- ESP-32S Wifi Bluetooth Co...
- LinkIt Smart 7688 Duo
- Blend Micro - an Arduino ...
- Bluetooth 4.0 Low Energy ...

**Technical Details**

- USD 

Downloaded from Arrow.com.
i can use this module as Ibeacon?

Brayam Ruiz on Oct 19, 2016


VSR El Salvador on Mar 02, 2017 04:44 AM

Is it possible to configure this module once as a slave Bluetooth UART bridge, and after each restarts it will work as an UART bridge without putting any AT or other symbols by itself, just bridging both ways?

a.fedko on May 30, 2017

Hi, can you please give more info about PIO3 pin function? is it configured as something like TXDEN, that goes up while the module is transmitting data? i need this function for a one wire comm. to switch the line direction...

fla27177 on Oct 19, 2016

You say it is compatible with devices that have BT4.0. Please point me at a detailed example.

Joanne Yamaguchi on Oct 19, 2016

As this module cannot work alone, you can refer to the BLE BEE with this module on, we have shared an apk for android phones to connect. http://www.seeedstudio.com/wiki...

Chopin on Oct 20, 2016 10:48 AM