Blueduino Rev2--Arduino compatible pius BLE CC2540
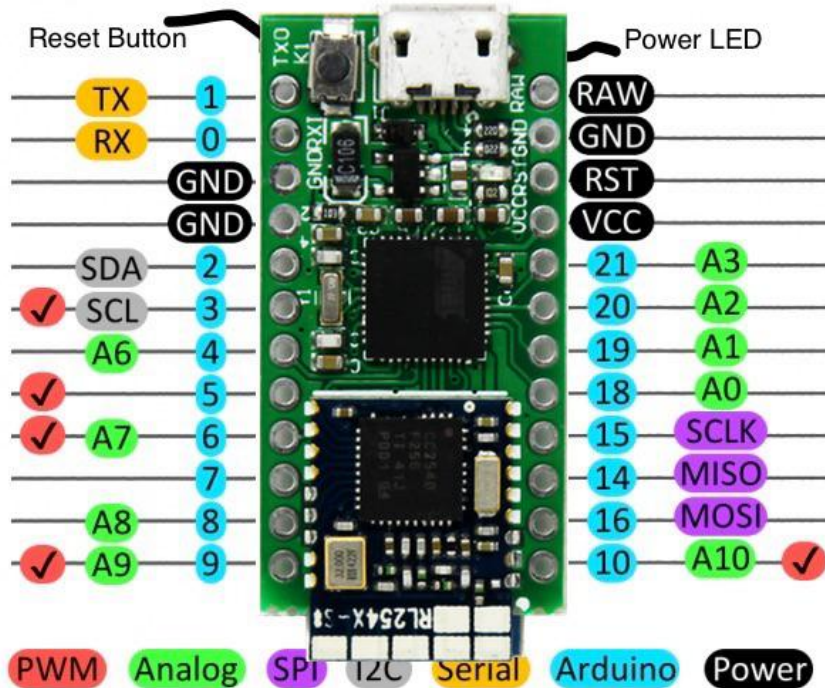**SKU: 317030031**

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Description

The BlueDuino Rev2 is an Arduino compatible microcontroller development board based on the ATmega32U4 IC with Bluetooth 4.0. a.k.a. Bluetooth Low Energy (BLE), built in. Just plug in the board and your ready to start programming! It's the easiest way to get Bluetooth 4.0 in your project!

The BlueDuino Rev2 is tiny size Arduino compatible dev board. It's built-in a cc2540 BLE module. The BLE module can work as master or slave mode.

Features:

- Built-in CC2540 BLE module
- ATmega32U4 running at 3.3V/8MHz

- Supported under Arduino IDE 1.0.6
- On-Board micro-USB connector for programming
- 4 x 10-bit ADC pins
- 12 x Digital I/Os (5 are PWM capable)
- Rx and Tx Hardware Serial Connections

Firmware For CC2540

- The firmware for CC254x BLE module named ZeroBeacon.
- Application iBeacon simulation / iBeacon sniffer / BLE Sensor
- Support UART transparent transfer.
- Support AT commands
- Support upgrade the firmware by serial port.

Getting Started
Open Arduino IDE and choose board "LilyPad USB" to start playing with your BlueDuino Rev2 in just a few easy steps.

How it works
The CC254x module communicates with ATMega32U4 through the HardwareSerial Serial1 (RX1, TX0).

Part List:

- 1 x BlueDuino Rev2
- 1x Male headers (Not soldering)
  （LiPo battery charger add-on now available.）

Overview

Designer: Others
Other Products From This Designer (http://www.seeedstudio.com/depot/Others-m-24.html?ref=pinfo)
Weight: 7 g

(/depot/OPLopen-parts-library-catalog-c-136_138/?ref=side)