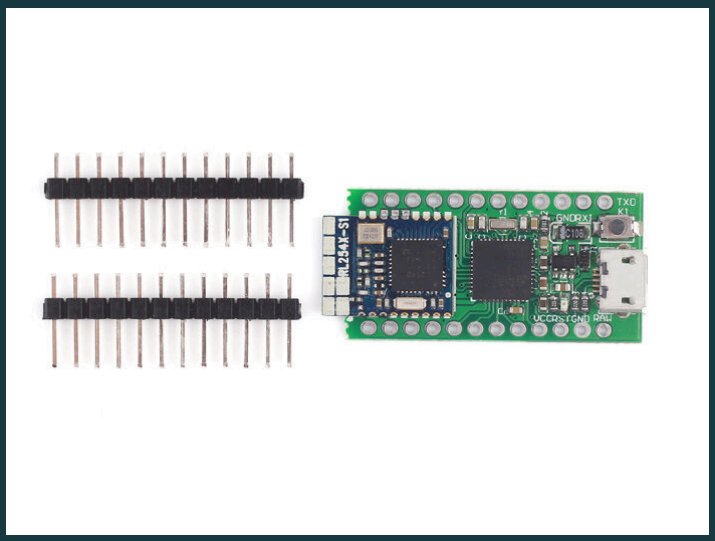
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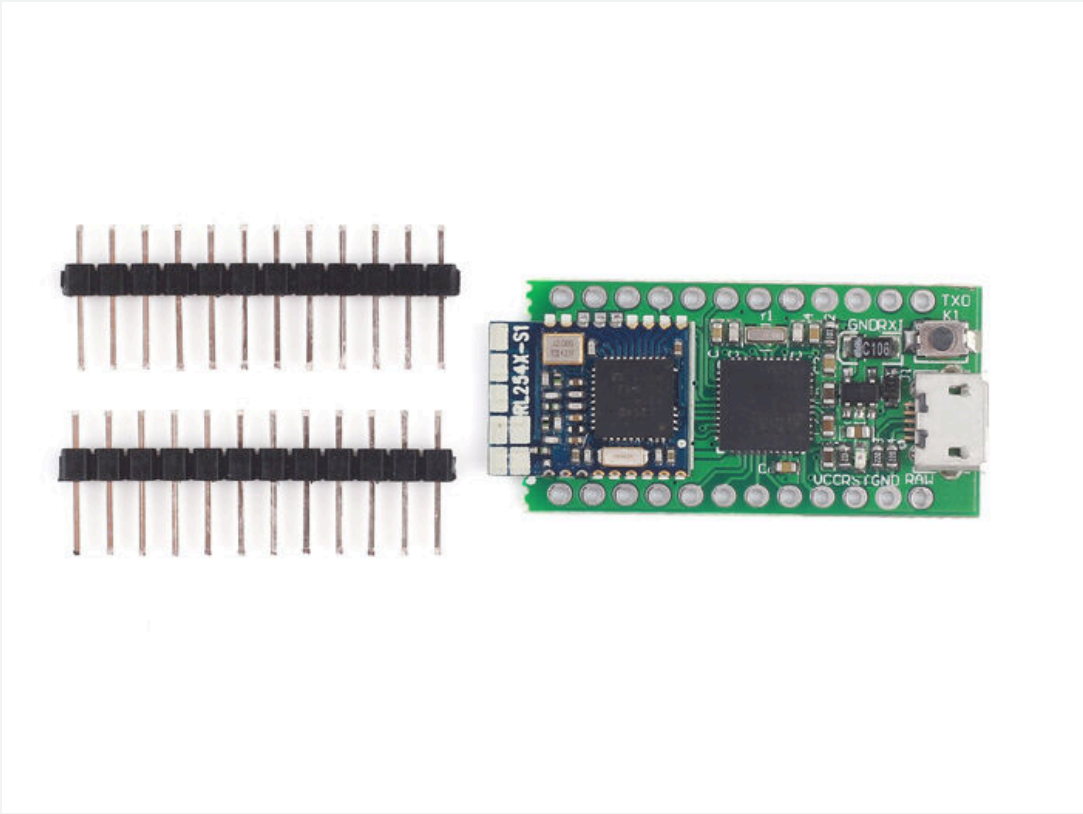
Blueduino Rev2--Arduino compatible pius BLE CC2540

BlueDuino Rev2: Tiny Arduino-compatible board with built-in Bluetooth 4.0 (BLE) CC2540 module.

SKU	UPDATED	PRICE
317030031	2026-02-28 12:29:13	$14.00(Excl. VAT)



Overview



The BlueDuino Rev2 is an Arduino-compatible development board featuring an ATmega32U4 microcontroller and a built-in CC2540 Bluetooth 4.0 (BLE) module. It provides 12 digital I/Os, 4 ADC inputs, and micro-USB programming, with firmware supporting iBeacon, BLE sensors, and UART transparent transfer.

Key Features

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.

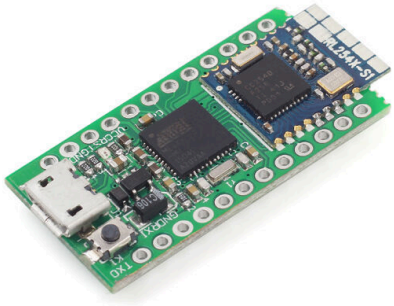
How it works

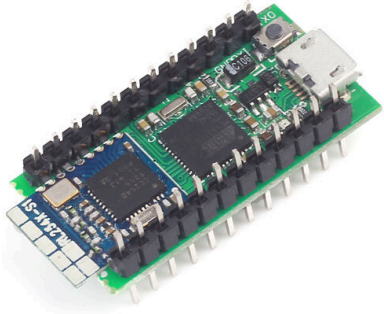
The CC254x module communicates with ATMega32U4 through the HardwareSerial Serial1 (RX1, TX0).

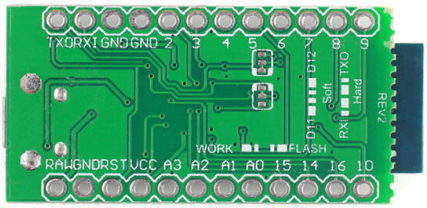
Part List

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

Product Gallery







Part List

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

Compliance & Logistics



HSCODE	9031900090
USHSCODE	9031902100
UPC	841454117926
COO	CHINA

Resource Links

- https://www.seeedstudio.com/Blueduino-Rev2-Arduino-compatible-pius-BLE-CC2540-p-2550.html

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com