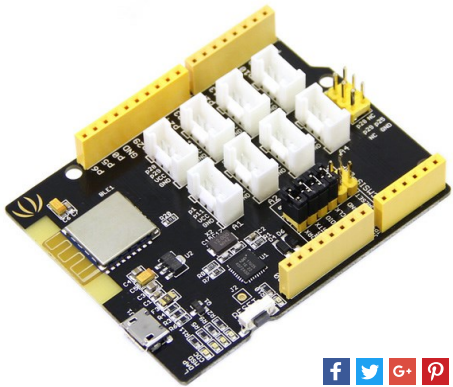


Bazaar / Development Platforms / ARM mbed / Arch BLE



## Arch BLE

SKU 113010002

Arch BLE is an mbed enabled development board based Nordic nRF51822

IN STOCK 6 Available

Qty: 

- 1 +

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Arch Pro

Arch BLE

## Description

Arch BLE is an mbed enabled development board based Nordic nRF51822. With Arduino form factor and Grove connectors, it is extremely easy to create a bluetooth low energy device.

The nRF51822 is a powerful multi-protocol single chip solution for ULP wireless applications. It incorporates Nordic's latest best-in-class performance radio transceiver, an ARM Cortex M0 CPU and 256kB flash + 16kB RAM memory. The nRF51822 supports Bluetooth® low energy and 2.4 GHz protocol stacks.

### Features

- mbed enabled
- Online IDE
- Easy to use C/C++ SDK
- Handy libraries
- CMSIS DAP based on LPC11U35
- Drag-n-drop programming
- Debug using CMSIS DAP standard
- USB virtual serial for communication
- Arduino form factor with Grove connectors

Nordic nRF51822 Multi-protocol Bluetooth® 4.0 low energy/2.4GHz RF SoC

- ARM Cortex M0 processor

See More ▾

## Recipes

## Documents

- [Wiki](#)
- [Schematic pdf](#)
- [LPC11U35 Firmware](#)
- [Eagle file](#)
- [src of ble color pixels app](#)
- [seed ble color pixels app for android](#)

## Recommendations



Seeed Micro BLE Module w&...



Arch Pro



RedBearLab nRF51822



Grove - 4 pin Female Jumper to Grove...



LinkIt Smart 7688 Duo



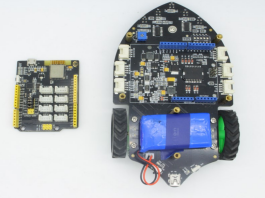
Seeed Tiny BLE - BLE + 6DOF Mbed...



Base Shield V2



Grove - Starter Kit for Arduino



A Toy Car controlled by the mobile phone

## Questions and Answers

Have a question about this? Ask people who own it.

0

What is input voltage range for this board? does it support direct connection to 3.7v battery?

on Oct 19,2016

Reply |  
upvote (0)

Just support USB\_5V or 3.3V

Vincent.Su on Dec 05,2016 23:48 PM

Reply |  
upvote (0)

0

Is there a way to connect a battery to this board? It would be great if there was a BAT connector and LiPo charging chip..

graffitici on Oct 19,2016

Reply |  
upvote (0)

I'm sorry it dose not support LiPo battery now, may be the next version we can try it :)

Vincent.Su on Dec 05,2016 23:52 PM

Reply |  
upvote (0)

0

Hello,  
is there the source code for android application?

See More ▾

## View History



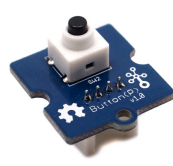
G1&2 Electric Solenoid Valve (Normally Closed)



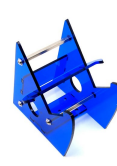
Sealed Membrane 3x4 button pad with sticker



Passive PoE Cable Set



Grove - Button(P)



RF Explorer Holder

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Linkit Smart 7688



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mbed Shield

Grove - BLE

Grove - Buzzer

Arch

