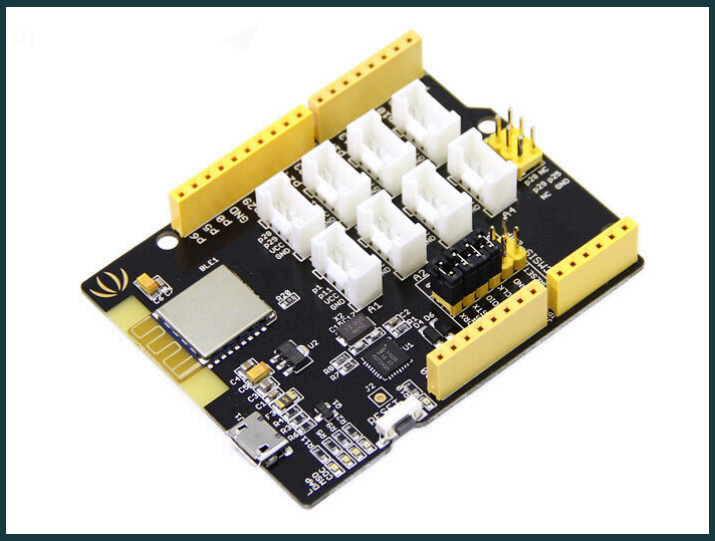
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INDUSTRIAL PRODUCT DATASHEET

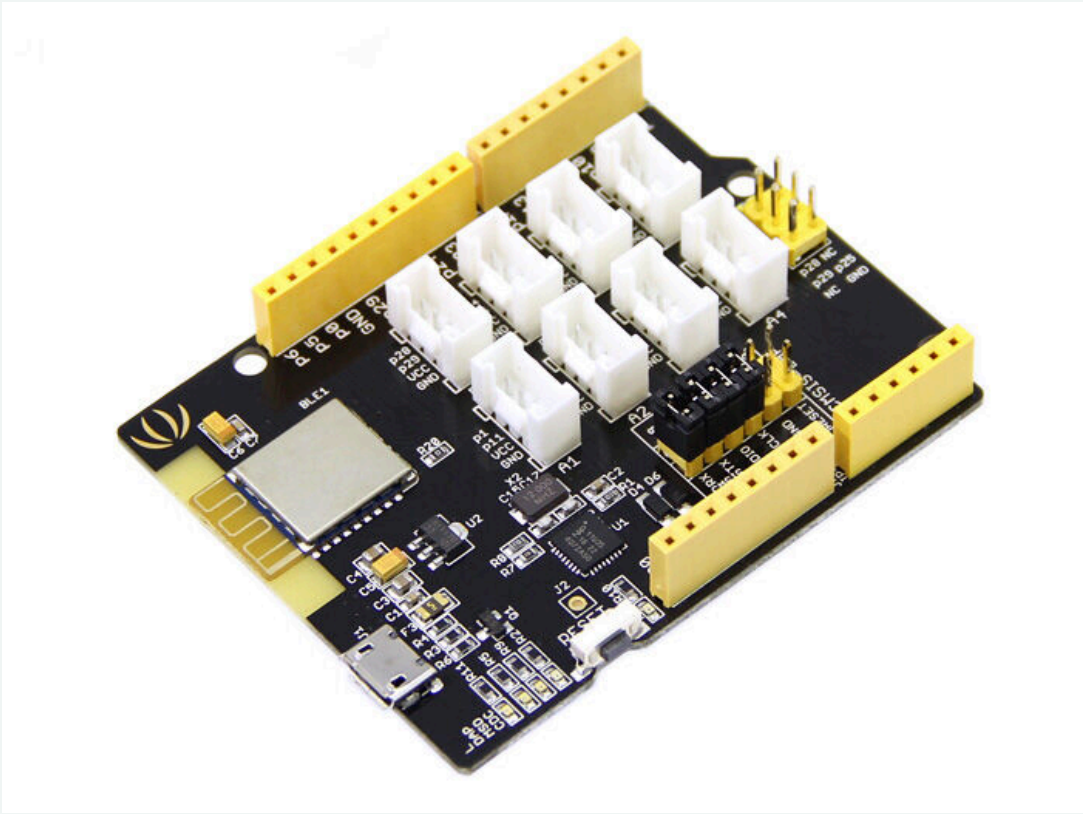
Arch Blueseeed (nRF51822)

Arch Blueseeed (nRF51822): an mbed enabled, Arduino-compatible board with Grove connectors for rapid Bluetooth Low Energy development, powered by the Nordic nRF51822 SoC with ARM Cortex M0.

SKU	UPDATED	PRICE
113010002	2025-07-30 07:33:06	$8.90(Excl. VAT)



Overview



The Arch Blueseeed (nRF51822) is an mbed enabled development board featuring Arduino form factor and Grove connectors, simplifying Bluetooth Low Energy device creation. It incorporates the Nordic nRF51822 multi-protocol SoC with ARM Cortex M0, 256kB flash, 16kB RAM, supporting Bluetooth® 4.0 low energy and 2.4GHz protocols, along with drag-n-drop programming and CMSIS DAP debug.

Key Features

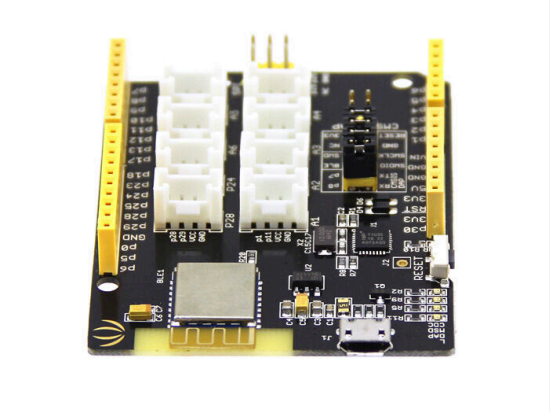
Arch Blueseeed LE (nRF51822) is an mbed enabled development board based Nordic nRF51822. With Arduino form factor and Grove connectors, it is extremely easy to create a bluetooth low energy device.

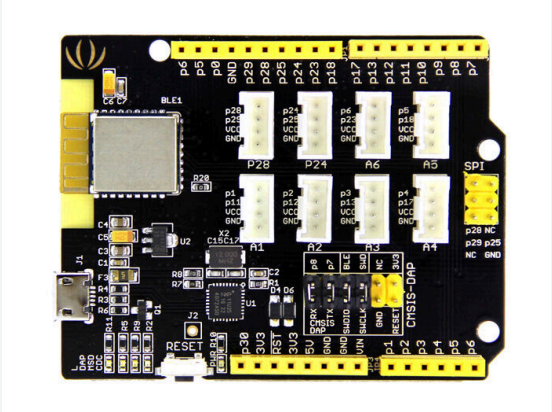
The nRF51822 is a powerful multi-protocol single chip solution for ULP wireless applications. It incorporates Nordic’s latest best-in-class performance radio transceiver, an ARM Cortex M0 CPU and 256kB flash + 16kB RAM memory. The nRF51822 supports Bluetooth® low energy and 2.4 GHz protocol stacks.

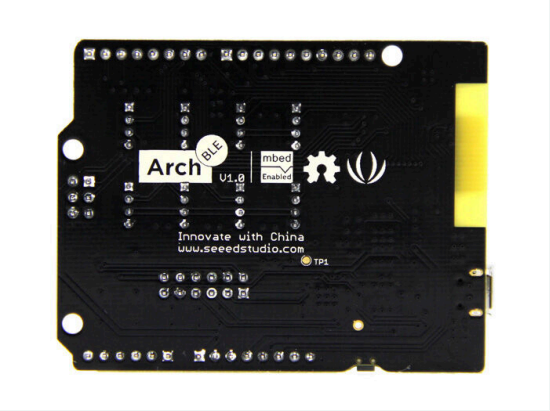
Features

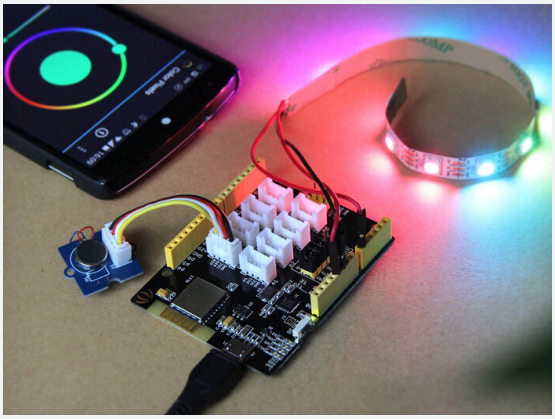
- mbed enabled
- Online IDE
- Easy to use C/C++ SDK
- Handy libraries
- CMSIS DAP based on LPC11U35
- Drag-n-drop programming
- Debug using CMSIS DAP standard
- USB virtual serial for communication
- Arduino form factor with Grove connectors
- Nordic nRF51822 Multi-protocol Bluetooth® 4.0 low energy/2.4GHz RF SoC
- ARM Cortex M0 processor
- 256kB flash/16kB RAM
- Configurable I/O mapping for digital I/O
- USB Micro B connector

Product Gallery









Part List

Arch BLE	1

Compliance & Logistics



HSCODE	8517709000
USHSCODE	8517790000
UPC	841454112167
EUHSCODE	8517180000
COO	CHINA

Resource Links

- https://www.seeedstudio.com/Arch-BLE-p-1998.html
- Arch BLE mbed developer platform page
- Schematic in PDF format
- Schematic and board files in EAGLE format
- LPC11U35 Firmware
- Seeed BLE Color Pixels App for Android
- Sources of BLE Color Pixels App

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