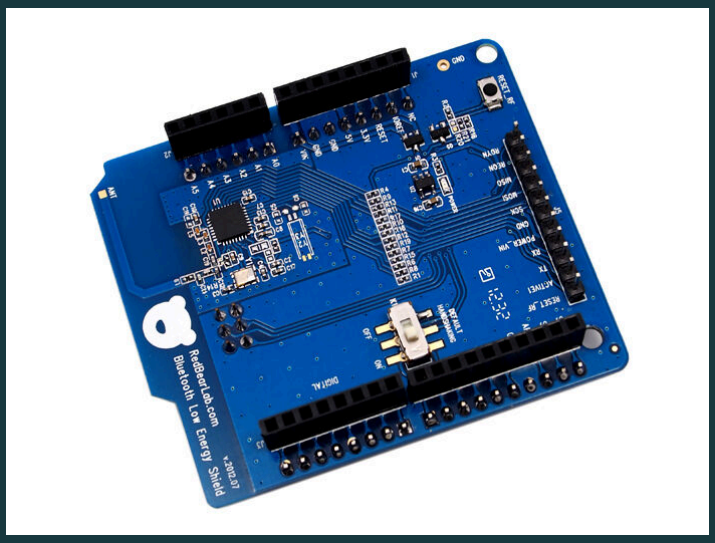
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INDUSTRIAL PRODUCT DATASHEET

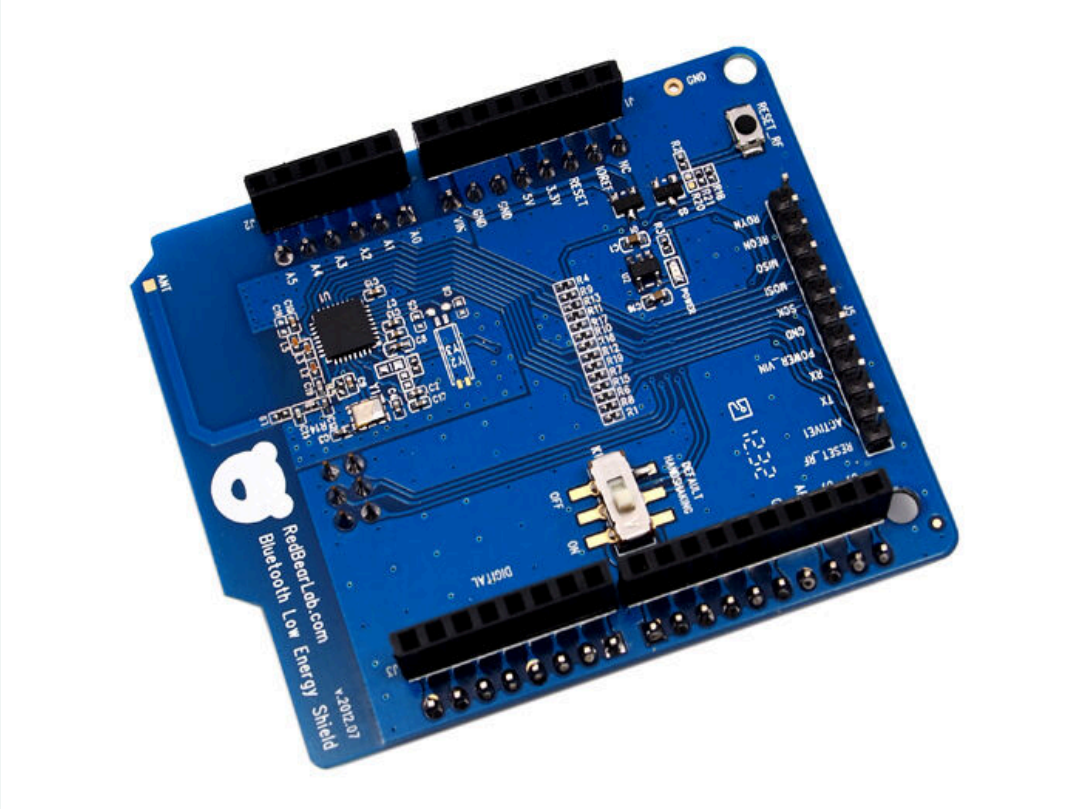
Bluetooth 4.0 Low Energy - BLE Shield

BLE Shield for Arduino with Nordic nRF8001, enabling wireless control and sensor data transfer to iOS devices.

SKU	UPDATED	PRICE
113030010	2024-08-09 02:11:40	$29.95(Excl. VAT)



Overview



The Bluetooth 4.0 Low Energy - BLE Shield is compatible with Arduino Uno, Mega, and Leonardo, enabling wireless connectivity with BLE devices such as iPhone 4S and iPad 3rd gen. It features the Nordic nRF8001 IC in peripheral role, a proprietary serial interface (ACI), and an on-board antenna.

Key Features

Note: We have a new version Bluetooth 4.0 Low Energy - BLE Shield v2.1 instead of Bluetooth 4.0 Low Energy - BLE Shield.

Bluetooth 4.0 Low Energy - BLE Shield v2.1

BLE Shield stands for Bluetooth 4.0 Low Energy - BLE Shield. It is designed to work with Arduino boards, including Arduino Uno, Mega and Leonardo. It allows you to connect your Arduino board with other BLE device. With our current implementation, the Shield supports connection between Arduino to an iPhone 4S or iPad 3rd generation.

Features

- **Requires iPhone 5, iPhone 4S, iPad mini, iPad with Retina display (4th gen), iPad (3rd gen) or iPod touch (5th gen)**
- Control your Arduino pins with an iPhone
- Pass all sensors data from your Arduino to an iOS App for processing
- Use your iDevice as an internet gateway for your Arduino
- There are a lot of other possibilities

Specification

- Nordic nRF8001 Bluetooth Low Energy connectivity IC
- Support Peripheral (Slave) role operation only - nRF8001 IC limitation
- Proprietary simple serial interface (ACI)
- On-board antenna

Documents

Please visit **RedBearLab** for more info about this product and technical support.

Compliance & Logistics

HSCODE

Resource Links

- https://www.seeedstudio.com/Bluetooth-4-0-Low-Energy-BLE-Shield-p-1255.html

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