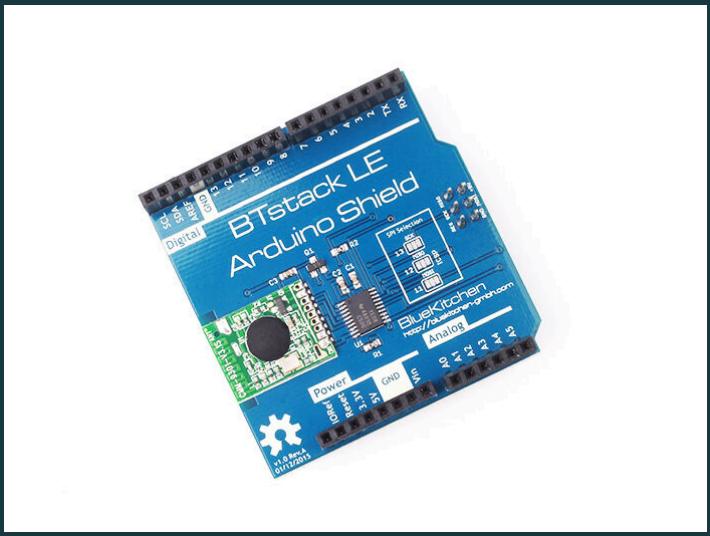
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INDUSTRIAL PRODUCT DATASHEET

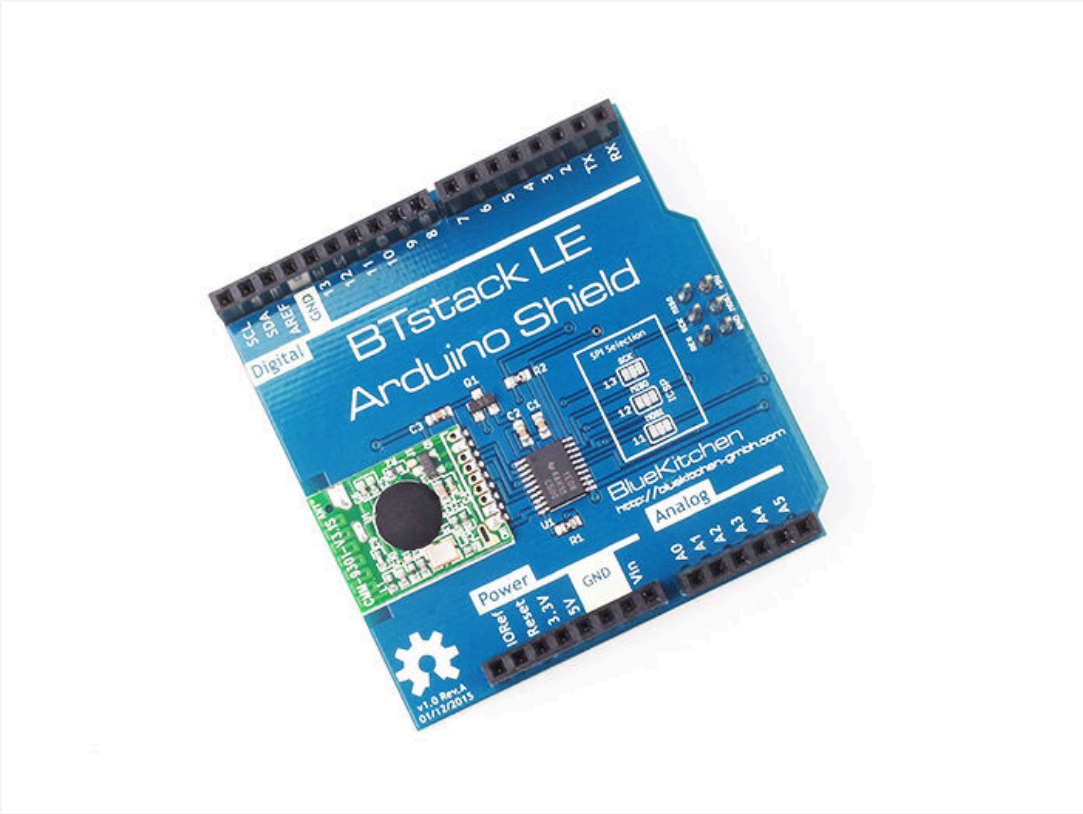
BTstack LE Arduino Shield

Complete Bluetooth Low Energy solution for Arduino with LE Peripheral, LE Central, iBeacon, and GATT support, compatible with 3.3 V and 5.0 V Arduino boards.

SKU	UPDATED	PRICE
114990242	2024-08-09 01:56:41	$22.00(Excl. VAT)



Overview



The BTstack LE Arduino Shield provides a complete Bluetooth Low Energy solution for the Arduino platform, enabling the Arduino to act as LE Peripheral or LE Central devices. It supports Arduino boards with at least 64 kB Flash, including Arduino Mega 2560 R3, Arduino Mega 2560, Arduino Mega 1280, and Sparkfun Mega 3.3 V, and features an EM Microelectronic EM9301 Bluetooth Low Energy module with iBeacon, iBeacon Scanner, LE Peripheral, LE Central, GATT Client, and GATT Server capabilities.

Key Features

The BTstack LE Arduino Shield provides a complete Bluetooth Low Energy solution for the Arduino platform. With it and the provided BTstack Bluetooth Stack library, the Arduino can act as LE Peripheral or LE Central devices.

Ready-to-use examples:

- LE Peripheral: iOS and newer Android devices can directly connect to it and either access custom GATT Services or just use a simulated serial port, like with other LE Shields.
- LE Central: Connect to other LE Peripherals, e.g. pulse meters, the TI SensorTag, LE lights, or, other devices that provide GATT services
- iBeacon: simulate an iBeacon or scan for iBeacons
- ANCS: connect to an iOS device and receive notifications

Supported boards - with at least 64 kB Flash (tested with Arduino.cc IDE v1.6.4):

- Arduino Mega 2560 R3
- Arduino Mega 2560
- Arduino Mega 1280
- Sparkfun Mega 3.3 V

Features:

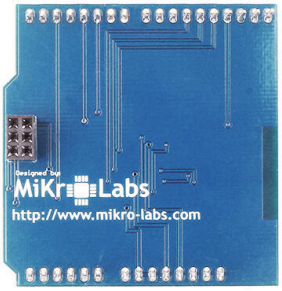
- EM Microelectronic EM9301 Bluetooth Low Energy module
- Shield is compatible with 3.3 V and 5.0 V Arduino boards
- SPI switch solder bridges: allows to connect to 11/12/13 if needed.
- iBeacon & iBeacon Scanner
- LE Peripheral
- LE Central
- GATT Client & GATT Server
- Shield includes license to be used with BTstack in commercial projects.

Documentation and BTstack Library

For any technical support or suggestion, please kindly go to our **forum**.

Product Gallery





Compliance & Logistics

HSCODE	8543709990

Resource Links

- https://www.seeedstudio.com/BTstack-LE-Arduino-Shield-p-2464.html

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