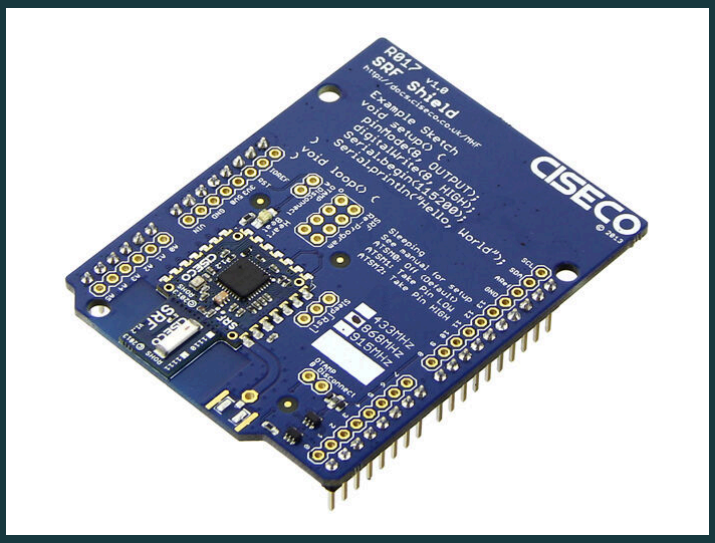
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INDUSTRIAL PRODUCT DATASHEET

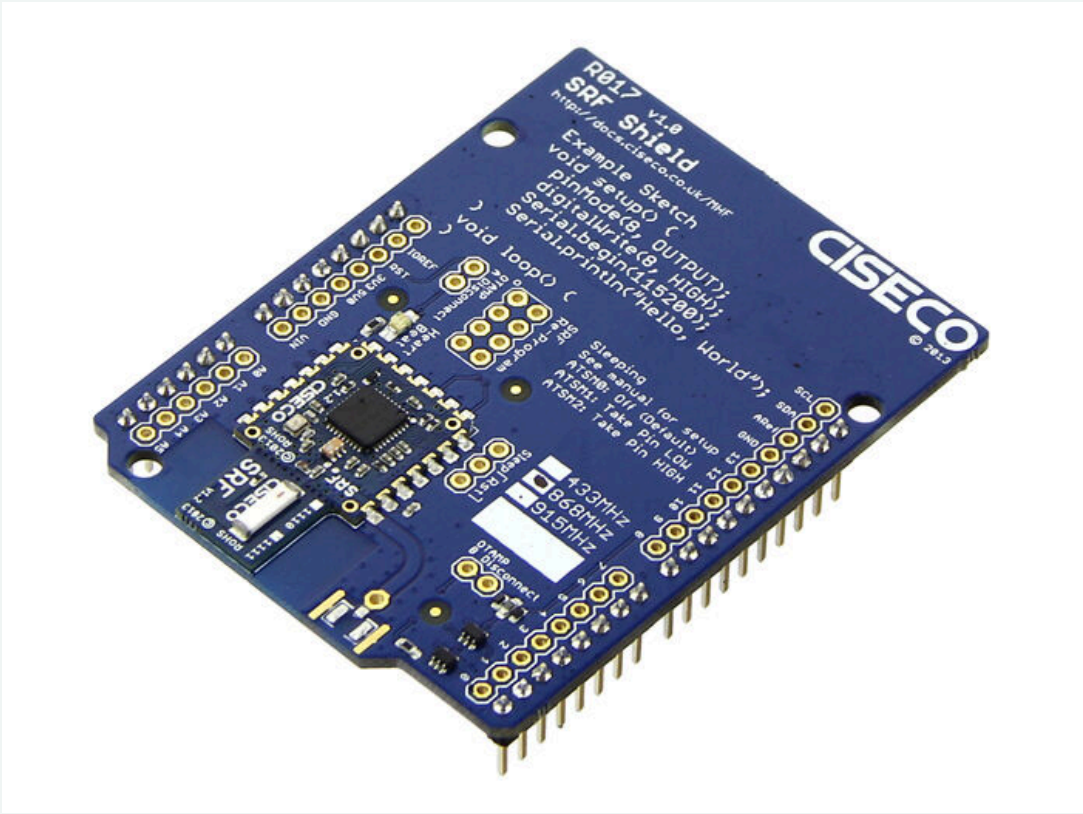
SRF shield - Wireless transciever for all Arduino type boards

Plug-and-play low power wireless transceiver shield for Arduino with up to 1000m range, 250Kbps data rate, and 128-bit AES encryption.

SKU	UPDATED	PRICE
113990055	2024-08-09 02:07:27	$21.90(Excl. VAT)



Overview



The Ciseco SRF shield is a plug-and-play low power wireless transceiver for Arduino boards, enabling easy building of wireless sensors and actuators with no configuration required. It provides up to 1000m range with external antenna (100m on-board), 250Kbps air data rate, 128-bit AES encryption, and supports multiple network topologies plus over-the-air programming.

Key Features

The Ciseco SRF shield is a low power wireless transceiver aimed at building wireless sensors and actuators. It’s a plug and play add-on for all Arduino style prototyping boards. It’s exceptionally easy to use and will work out the box with no configuration. Achieving greater range at lower power than WiFi, Zigbee and Bluetooth, the company sees such technology being the final enabler of many Internet of Things ideas.

Features:

- Range: 100m – with the on-board chip antenna or upto 1000m using an external antenna
- Air data rate: 250Kbps over the air (can be changed)
- Serial data rate: 115,200bps (can be changed)
- Proven technology: Over 40 million hours in the field
- Encryption: 128 bit AES (turned off by default)
- Different networks: 65,000 (selectable PANID)
- Network types: Point to point, point to multipoint, multipoint to point and multipoint to multipoint.
- Thousands of software examples: Any Arduino project that uses the XBee for serial comms will work the same.
- Over the air programming: You can program your Arduino straight from the IDE without any hardware hacks or screamer software.
- Jumper free uploads: No need to remove the shield, change jumpers or flip switches when doing uploads (most XBee shields do).
- Supports LLAP: LLAP is the world’s easiest way to talk to Internet of Things nodes. Example sketches can be downloaded for free, this means you can build and sell your own IoT devices which can be networked with off the shelf products.

Dimensions

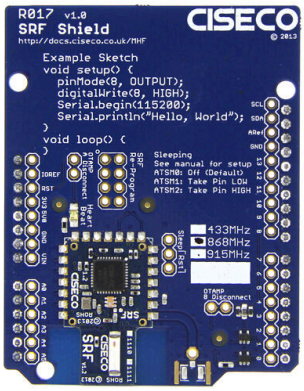
- 69mm x 53.5mm x 12mm

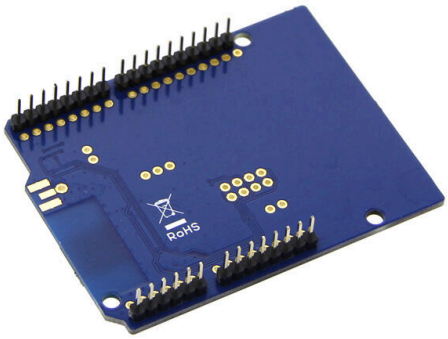
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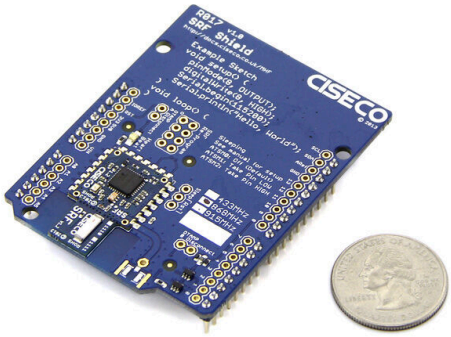
- Datasheet

If you need to ask questions, please do on the forum at **Openmicros.org**.

Product Gallery







Resource Links

- https://www.seeedstudio.com/SRF-shield-Wireless-transciever-for-all-Arduino-type-boards-p-1852.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