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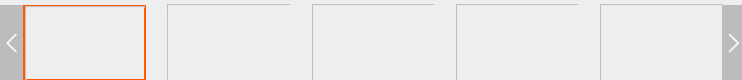
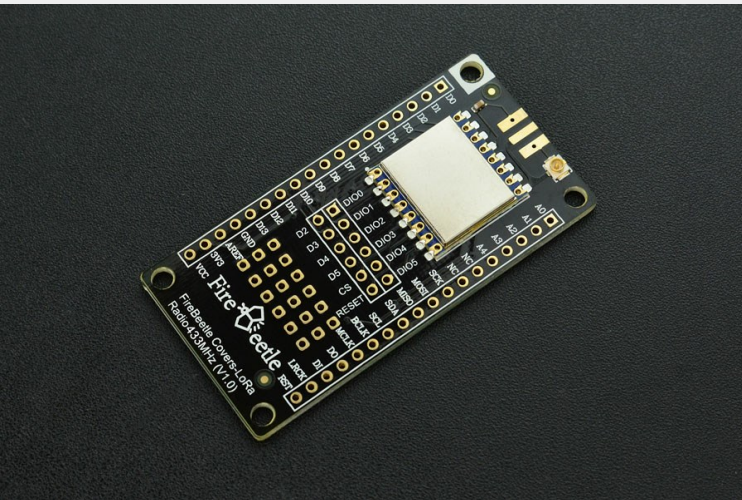
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EDUCATION

\$USD

WISH LIST

[Modules](#) / [Communications](#) / [LoRa](#) / FireBeetle Covers-LoRa Radio 433MHz

FireBeetle Covers-LoRa Radio 433MHz

SKU:TEL0121

Brand:DFRobot

Reward Points: 179

* Model:

433MHz

868MHz

915MHz

Quantity:

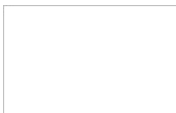
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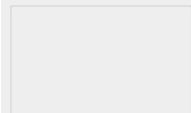


Frequently Bought Together



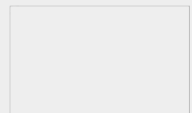
FireBeetle Covers-LoRa Radio 433MHz

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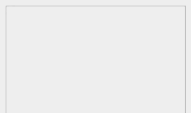
FireBeetl... Bluetooth)

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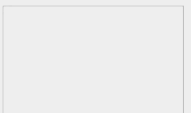
Fir... (Supports Wi-Fi)

+



Fi... 328P with BLE4.1

+



FireBeetle Covers-

=



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INTRODUCTION

DFRobot FireBeetle series are low power consumption controllers designed for Internet of Things (IoT) development. The [FireBeetle series](#) are aiming straight at the point fast and convenient low-power IoT building. There are three categories of FireBeetle series, containing Boards (main control), Covers (expansion boards) and related Accessories.

FireBeetle LoRa 433MHz wireless transmission module adopts a high-performance chip SX127x LoRa 433MHz and with built-in PA (power amplifier) gain, compatible with Arduino. It supports long-range monitor, FSK modulation and the maximum transmission rate is 300K[null bps]. It also supports LoRaTM, the maximum transmission rate is 37.5Kbps. The circuit current is even lower than 0.2uA in the low power mode. It can be widely used in remote home automation detection, health monitoring and wearable device and so on.

NOTE: All parameters related to wireless signals in the same network should maintain consistency to avoid communication problems.

SPECIFICATION

Downloaded from [Arrow.com](#)

- Operating Current: 3.3V
- Operating Frequency: 433MHz
- Modulation Type: LoRaTM
- Output Power: ≤20dBm
- Receiving Sensitivity: -139dBm
- Emersion Current: ≤120mA
- Receiving Current: ≤15mA
- Sleep Current: ≤1uA
- Transmission Power Range: -1dBm~20dBm(Maximum)
- Transmission Mode: FIFO/ DMA
- Operating Frequency: 403MHz~463MHz(typical value: 433MHz)
- Transmission Range: 1 Km
- Modulation Type: LoRaTM /FSK /GFSK /OOK
- Built-in aerials offer good anti-jamming capacity
- The Maximum RSSI is 127dB
- FIFO Volume: 256bytes
- Support CRC Frequency-hopping
- SPI Interface
- GPIO Interface: 5 (can be used as interruption)
- Operating Temperature: -20°C~+70°C
- Dimension: 58 x 29 mm/ 2.28 x 1.14 inches

DOCUMENTS

[Product wiki](#)
[More Documents](#)

SHIPPING LIST

- FireBeetle Covers-LoRa Radio 433MHz x1
- 18pin-2.54mm Pin Header x2
- 18pin-2.54mm Long Pin Header x2
- 433MHz Spring Antenna – IPEX x1
- SMA-KE Antenna Connector x1

REVIEW

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DFRobot

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 **Bill Lee** • 2 years ago

Could i buy two this doing for P2P ?

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 **DFRobot Support** Mod → Bill Lee • 2 years ago

Hi,

It works like master and slave mode.

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