

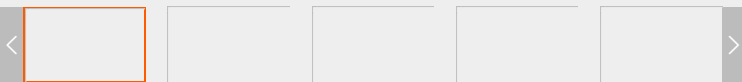
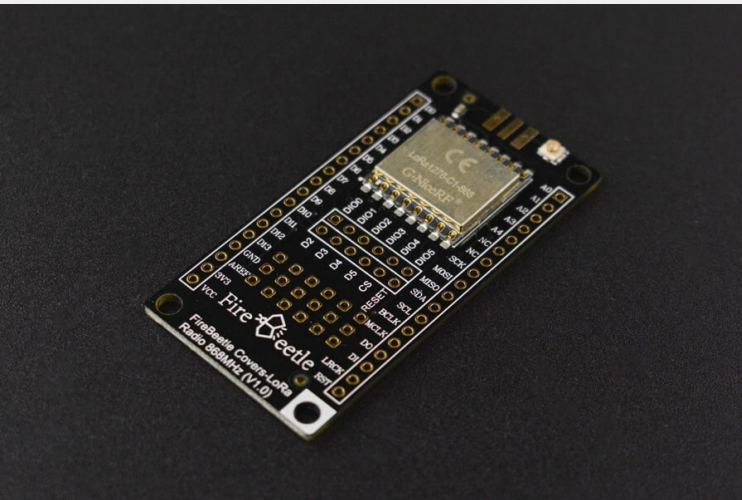


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FireBeetle Covers-LoRa Radio 868MHz

SKU:TEL0125

Brand:DFRobot

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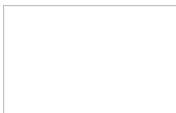
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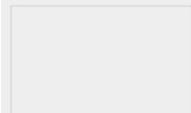
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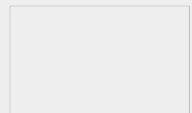
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INTRODUCTION

DFRobot FireBeetle series are low power consumption micro-controllers specially designed for Internet of Things (IoT), and mainly focusing on [fast and convenient low-power building](#).

FireBeetle LoRa 868MHz wireless transmission module adopts a high-performance SX1276 LoRa 868MHz chip and with built-in PA (power amplifier) gain, compatible with [Arduino](#) . It supports long-range monitor and FSK modulation. The maximum transmission rate of the module can reach up to 300Kbps. The module also supports LoRaTM and can provide a maximum transmission of 37.5Kbps. The circuit current is even lower than 0.2uA in the sleep mode. It can be widely used in remote home automation detection, [health monitoring](#), [wearable device](#) and so on.

SPECIFICATION

- Operating Voltage: 3.3V
- Operating Frequency: 868MHz
- Modulation: LoRaTM, FSK, GFSK, OOK
- Output Power: ≤20dBm
- Receiving Sensitivity: -139dBm@Lora
- Emission Current: ≤120mA
- Receiving Current: ≤15mA
- Sleep Current: ≤0.2uA
- Transmission Power Range: -1dBm~20dBm(Max)
- Transmission Mode: FIFO/ DMA
- Operating Frequency Range: 800MHz~900MHz(Typical value: 868MHz)
- Transmission Distance: 5Km
- Data Transmission Rate: @FSK,1.2~300Kbps @LoRaTM, 0.018~37.5Kbps
- Built-in Antenna for Electrostatic Protection
- Maximum RSSI: 127dB
- FIFO Volume: 256bytes
- Support CRC Frequency-hopping
- SPI Interface
- GPIO Interface: 5 (can be used as interruption)
- Operating Temperature: -20°C~+70°C
- Product Dimension: 58 x 29 mm/2.28x 1.14"
- Mounting Hole Dimension: 3.1mm(inner diameter)

DOCUMENTS

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

SHIPPING LIST

- FireBeetle Covers-LoRa Radio 868MHz(V1.0) x1
- 18pin-2.54mm Pin Header x2
- 18pin-2.54mm Long Pin Header x2
- 868MHz Spring Antenna – IPEX x1
- SMA-KE Antenna Connector x1
- 2*6pin-2.54 Double Row Pin Header x2

REVIEW

FAQ

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DFRobot

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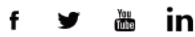
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