

## IOT Cricket - Wi-Fi module

Easy to use, ultra-low battery powered Wi-Fi module. You can build various IOT devices within minutes and power them directly on batteries - with literally ZERO code & programming. You can connect devices to the internet out of the box either from a smartphone or a laptop from any web browser; Configure devices either locally or remotely; Integrate to a huge IOT software ecosystem by using both MQTT and HTTP communication protocols.

## Configuration

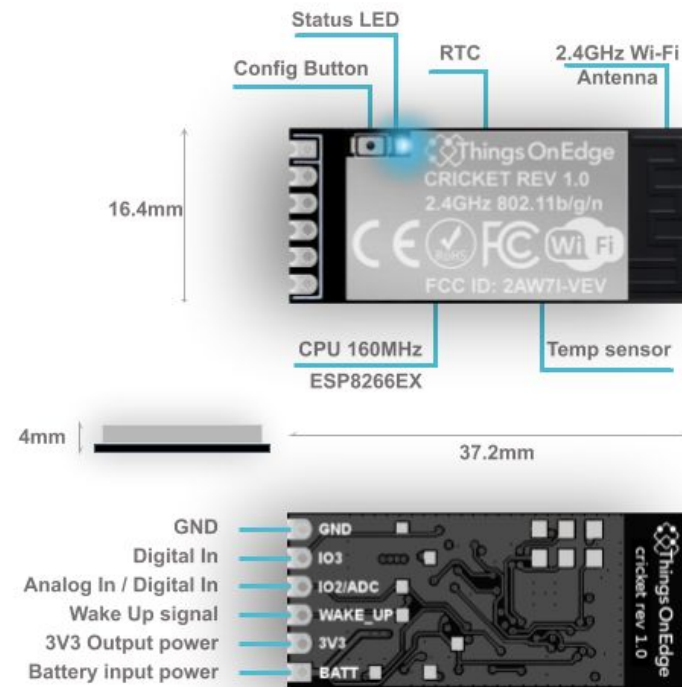
- > Pair Cricket to your Wi-Fi either from a laptop or a phone
- > Configure Locally or Remotely

## Communication APIs

- > MQTT - use any of MQTT brokers (free MQTT broker incl.)
- > HTTP - secure / non-secure POST/GET requests

## Cricket Features

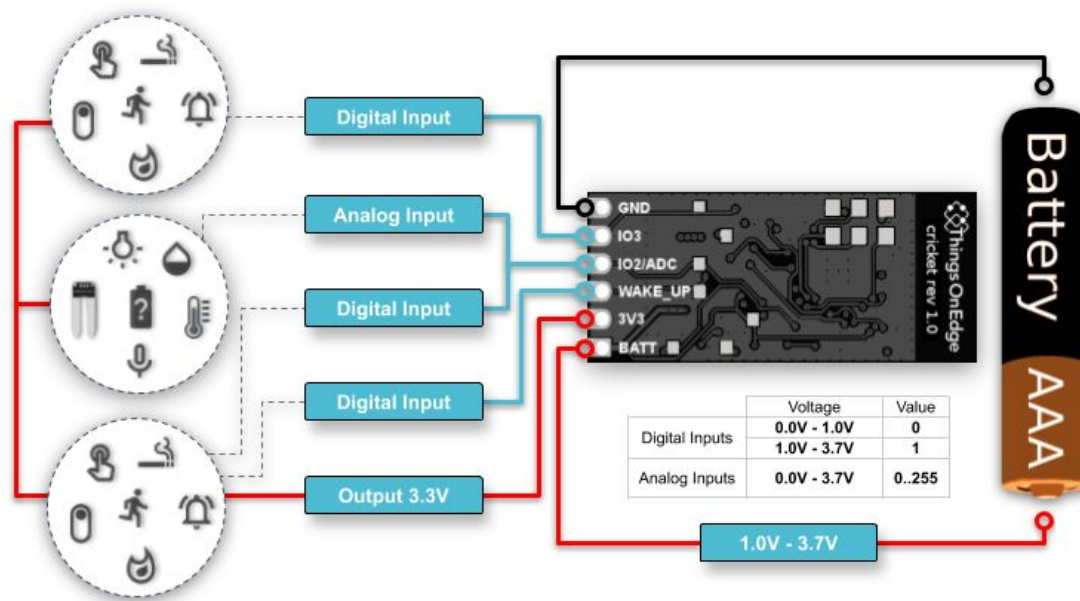
- > Operates directly on batteries (AAA, AA, ...)
- > 0.5uA deep sleep & true 0A current when not in operation
- > Built-in RTC (use for wake ups)
- > Built-in temperature sensor
- > OTA firmware updates



## Hardware Specification

- > Operating Voltage: 1V~3.6V
- > Operating Temperature Range: -20°C~80°C
- > Distance range: up to 100 meters
- > ESP8266EX
- > 2.4GHz Wi-Fi: 802.11 b/g/n WPA / WPA2

## Attach sensors, buttons, switches and other peripherals



**1 Assemble**  
Example  
Soil Moisture Sensor

**2 Configure**

Press for ~5 sec

Configure

Opens automatically  
<http://192.168.4.1>

**3 Send**  
MQTT or HTTP POST / GET