

# ESP8266 Thing Starter Kit

KIT-15258

## Product Overview

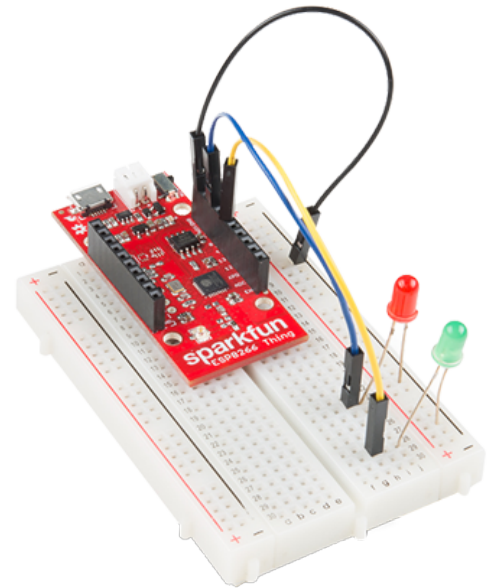
11-17-2021

For the most up-to-date information, visit [www.mouser.com](http://www.mouser.com) or the supplier's website.

## Description

SparkFun ESP8266 Thing Starter Kit an ideal place to start learning about Internet of Things (IoT), Arduino, or wireless solutions. The kit includes a ESP8266 Thing, a Serial Basic Breakout to program it (and USB cable), jumper wires, breadboard, LEDs, and plenty of headers. This starter kit also comes with a pair of stackable 10-pin headers as well as 40 regular headers to connect Serial Basic Breakout to the Thing or breadboard.

The SparkFun ESP8266 Thing is a breakout and development board for the ESP8266 WiFi SoC which is a leading platform for IoT or WiFi related projects. The ESP8266 is easy to use, that offers a break out of all the module's pins, adding a LiPo charger, power supply, and all of the other supporting circuitry that is required.

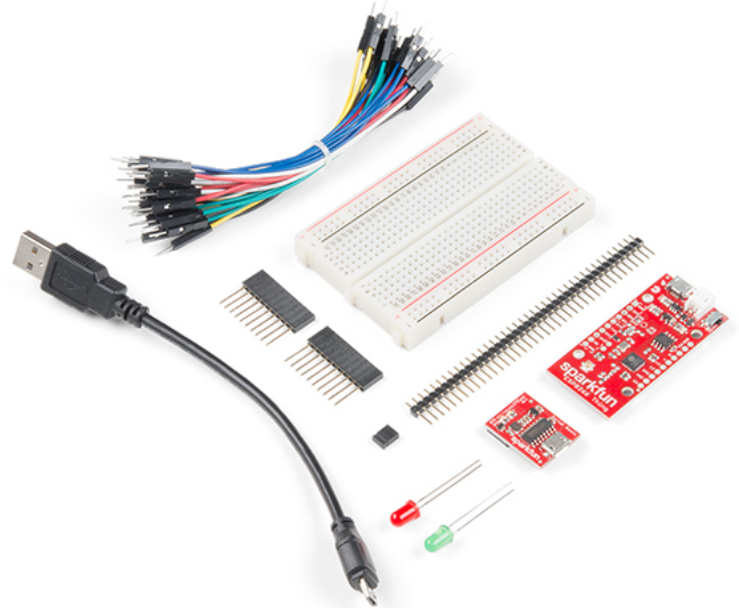


## Features

- All module pins broken out
- On-board LiPo charger/power supply
- 802.11 b/g/n
- Wi-Fi Direct (P2P), soft-AP
- Integrated TCP/IP protocol stack
- Integrated TR switch, balun, LNA, power amplifier, and matching network
- Integrated PLLs, regulators, DCXO, and power management units
- Integrated low power 32-bit CPU could be used as application processor
- +19.5dBm output power in 802.11b mode

## Kit Includes

- SparkFun ESP8266 Thing
- SparkFun Serial Basic Breakout - CH340G
- Jumper Wires 4in M/M (30 pack)
- MicroB USB Cable - 6in
- Breadboard
- Stackable Headers - 10 pin x2
- LED - Basic Green 5mm
- LED - Basic Red 5mm
- Jumper 2 pin
- Break Away Headers - Straight (40 pins)



## Additional Resources

- [Schematic Diagram](#)
- [ESP8266 Thing Development Board Datasheet](#)

## Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/sparkfun/sparkfun-kit-15258-starter-kit/>