



KIT-14684

The SparkFun Inventor's Kit for Photon is the latest and greatest in Internet of Things kits. Whether you're a software developer just getting in to hardware, an EE learning software, or somewhere in between, this kit will help you get your projects hooked up to the Internet in no time.

The kit does not require any soldering and is recommended for intermediate users. We have provided a complete Experiment Guide in the *Documents* section for you to utilize and learn more about the Photon! If you are comfortable reading code libraries or if you have used the original SparkFun Inventor's Kit and are looking for the next step in programming education the Photon SIK is a perfect kit for you!

## INCLUDES

- SparkFun Photon RedBoard
- Arduino and Breadboard Holder
- White Solderless Breadboard
- Pocket Screwdriver Set
- Small Servo
- 9V Alkaline Battery
- 9V to Barrel Jack Adapter
- USB microB Cable - 6 Foot
- Jumper Wires
- JST Right Angle Connector - Through-Hole 3-Pin
- SparkFun Soil Moisture Sensor (With Screw Terminals)
- SparkFun Micro OLED Breakout (with Headers)
- SparkFun Triple Axis Accelerometer Breakout - MMA8452Q (with Headers)
- PIR Motion Sensor (JST)
- RHT03 Humidity and Temperature Sensor
- Magnetic Door Switch Set
- Photocell
- Red, Blue, Yellow, and Green LEDs
- Red, Blue, Yellow, and Green Tactile Buttons
- 10K Trimpot
- Piezo Speaker
- 330 Ohm Resistors

## EXAMPLES

- Circuit 1: Hello World, Blink an LED
- Circuit 2: With a Touch of a Button
- Circuit 3: Houseplant Monitor
- Circuit 4: Color Selector
- Circuit 5: Music Time
- Circuit 6: Environment Monitor
- Circuit 7: Automatic Fish Feeder
- Circuit 8: Activity Tracker
- Circuit 9: Home Security
- Circuit 10: Pong!
- Circuit 11: OLED Apps - Weather & Clock