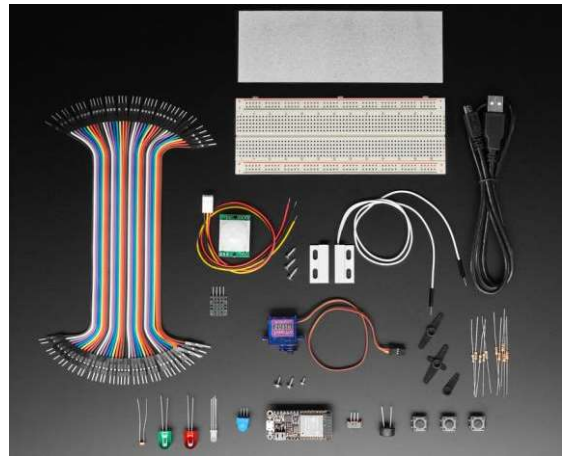# Mongoose OS & Google IoT Core Pack w/ Adafruit Feather HUZZAH32

Product ID: 3606

Description

In collaboration with Google and Mongoose OS, Adafruit's releasing an IoT Core Pack based around our Feather HUZZAH32! This kit includes a pre-soldered Adafruit Feather HUZZAH with ESP32 WiFi and some sensors and components to get you started on your IoT journey.

Feather is a development board from Adafruit that, like its namesake, is thin, light and lets you fly. We designed Feather to be a new standard for portable microcontroller cores.

This starter kit contains the Adafruit HUZZAH32 – ESP32 Feather Board – our take on an 'all-in-one' ESP32 WiFi development board with built-in USB and battery charging. It's an ESP32 WiFi module with all the extras you need, ready to rock!

At the Feather HUZZAH's heart is an ESP32 WiFi microcontroller clocked at 240 MHz and at 3.3V logic. The ESP32 is a perfect upgrade from the ESP8266 that has been so popular. In comparison, the ESP32 has way more GPIO, plenty of analog inputs, two analog outputs, multiple extra peripherals (like a spare UART), two cores so you don't have to yield to the WiFi manager, much higher-speed processor, etc. etc! We think that as the ESP32 gets traction, we'll see more people move to this chip exclusively, as it is so full-featured.

This kit includes:

- 1x pre-soldered Adafruit HUZZAH32 – ESP32 Feather Board
- 1x Micro Servo
- 1x PIR (motion) Sensor
- 1x USB Cable – A/Micro B
- 1x Fast Vibration Switch
- 1x Magnetic Contact Switch (door sensor)
- 1x Full sized Breadboard
- 1x Premium Male/Male Jumper Wires – 40 x 6"
- 1x DHT20 – AHT20 Pin Module – I2C Temperature and Humidity Sensor

Component bag containing:

- 3x 12mm Tactile Switches
- 1x Breadboard Trim Potentiometer 10K
- 1x Diffused 10mm Green LED
- 1x Diffused 10mm Red LED
- 5x 10K 5% 1/4W Resistor
- 5x 560 Ohm 5% 1/4W Resistor
- 1x Piezo Buzzer
- 1x Photo Cell Light Sensor
- 1x Diffused RGB (tri-color) LED
- 1x Breadboard-friendly SPDT Slide Switch

Technical Details

Revision History:

- As of June 29, 2022 – This revision now includes the premium full-size breadboard, which makes plugging and un-plugging boards and headers a buttery-smooth operation as well as a metal plate. We also include an updated magnetic contact switch with premium wire ends and the DHT20 – AHT20 Pin Module – I2C Temperature and Humidity Sensor.