



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

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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.

Mongoose is providing all documentation and setup support for this pack. For more information on how to get started with Mongoose, follow the link below:

<https://mongoose-os.com/gcp/>

- [And for more information on how to set up your Feather HUZZAH32, check out our learn guide.](#)

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 [Half-sized Breadboard](#)
- 1x [Premium Male/Male Jumper Wires - 40 x 6"](#)

- 1x [Magnetic Contact Switch \(door sensor\)](#)
- 1x [DHT22 Temperature-humidity Sensor + Extras](#)

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](#)