



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 kit contains the Adafruit Feather Huzzah ESP8266 - our take on an 'all-in-one' ESP8266 WiFi development board with built in USB and battery charging. It's an ESP8266 WiFi module with all the extras you need, ready to rock!

At the Feather Huzzah's heart is an ESP8266 WiFi microcontroller clocked at 80 MHz and at 3.3V logic. This microcontroller contains a Tensilica chip core as well as a full WiFi stack. You can program the microcontroller using the Arduino IDE for an easy-to-run Internet of Things core. We wired up a USB-Serial chip that can upload code at a blistering 921600 baud for fast development time. It also has auto-reset so no noodling with pins and reset button pressings.

For more information on how to set up your Feather Huzzah, check out our learn guide.

<https://cdn-learn.adafruit.com/downloads/pdf/adafruit-feather-huzzah-esp8266.pdf>

In addition to all the Feather goodness, this kit also includes everything you'd find in our Raspberry Pi 3 Model B Starter Pack, adding a further dimension to your IoT ecosystem.

Note: The jumper wires in this pack may come in either 3" or 6" versions.

The kit includes:

- 1x Assembled Adafruit Feather Huzzah ESP8266 WiFi
- 1x Micro Servo
- 1x PIR (motion) Sensor
- 1x USB Cable - A/Micro B
- 1x Fast Vibration Switch
- 1x Magnetic Contact Switch (door sensor)
- 2x DHT22 Temperature-humidity Sensor + Extras
- 1x Full-sized Breadboard
- 1x Premium Male/Male Jumper Wires - 40 x 6"
- 1x Adafruit Raspberry Pi B+ / Pi 2 / Pi 3 Case - Smoke Base
- 1x Assembled Pi Cobbler Plus - Breakout Cable
- 1x USB to TTL Serial Cable - Debug / Console Cable for Raspberry Pi
- 1x Premium Male/Male Jumper Wires - 20 x 6" (150mm)
- 1x 8GB MicroSD Card with NOOBS 2.0
- 1x 5V 2.4A Switching Power Supply with 20AWG MicroUSB Cable
- 1x Raspberry Pi - Skill badge, iron-on patch
- 1x Premium Female/Female Jumper Wires - 20 x 3" (75mm)
- 1x Premium Female/Male 'Extension' Jumper Wires - 20 x 3"
- 1x Premium Male/Male Jumper Wires - 20 x 3" (75mm)
- 1x SD/MicroSD Memory Card (8 GB SDHC)
- 1x USB MicroSD Card Reader/Writer - microSD / microSDHC / microSDXC
- 1x Slim HDMI Cable - 450mm / 1.5 feet long
- 1x HDMI 7" 800x480 Display Backpack - Without Touch

Component bags containing:

- 6x 12mm Tactile Switches
- 1x Breadboard Trim Potentiometer 10K
- 2x Diffused 10mm Green LED
- 2x Diffused 10mm Red LED
- 1x Diffused 10mm Blue LED
- 1x Diffused RGB (tri-color) LED
- 10x 10K 5% 1/4W Resistor
- 10x 560 Ohm 5% 1/4W Resistor
- 1x Electrolytic Capacitor - 1.0uF
- 1x Piezo Buzzer
- 2x Photo Cell Light Sensor
- 1x Breadboard-friendly SPDT Slide Switch

This kit does *not* include a Raspberry Pi 3 Model B! For a version of this kit that includes a Pi 3, [click here](#).

Note: It is expected that IoT Virtual Bootcamp participants will have their own keyboard and mouse – these are *not* included in the kit.

## . Technical Details

Revision history:

- As of 10/12/2017, this pack includes the HDMI 7" 800x480 Display Backpack - Without Touch (no longer the version with touchscreen)