



Microsoft IoT Pack for Raspberry Pi 3 – No Pi

PRODUCT ID: 2702



Description

The **Microsoft Internet of Things Pack for Raspberry Pi 3** is the best way to get started using Windows 10 and your Raspberry Pi as an IoT enabled device.

A collaboration between Microsoft's IoT division and Adafruit, this pack's the best way to get started using both Windows 10 on your Pi and to start doing some popular projects with the internet of things.

Check out windowsondevices.com for more information on how to set up Windows 10 IoT Core on your Raspberry Pi and download project samples!

This pack is certified for use with Microsoft Azure as well as other compatible Azure certified operating systems.

[This pack does NOT come with a Raspberry Pi 3 Computer! Click here for the version with a Pi.](#)

This pack contains:

[Adafruit Raspberry Pi B+ Case – Smoke Base / Clear Top](#) – We think it's the Single Greatest Raspberry Pi Case Ever – though our [Pi Box Plus](#) is also nothing to scoff at.

Full Size Breadboard - In the past, we've used the half-size breadboard for a lot of Pi projects - but no longer! With 40 pins to break out, you're going to need some space - and that's why we're including a full size breadboard in this pack.

Premium Male/Male Jumper Wires - 20 x 6" (150mm) - These jumper wires are great for making wire harness or jumpering between headers on PCBs. We include the longer ones so they work well with the full-size breadboard.

Premium Female/Male 'Extension' Jumper Wires - 20x6" - These jumper wires are handy equivalents of the male/male jumper wires - but with female connectors.

5V 2A Switching Power Supply w/ 6' MicroUSB Cable - The 5V 2A power adapter is the perfect choice for powering your Raspberry Pi B+ with 2 Amps of current output, and an extra long cord.

Assembled Adafruit BME280 Temperature, Pressure & Humidity sensor - The assembled version of an Adafruit Instant Classic. This breakout board has a powerful BME280 sensor from Bosch that's good for temperature, barometric pressure, AND humidity sensing. This version comes with headers already soldered on.

Assembled TCS34725 RGB Color Sensor - The assembled version of a longstanding Adafruit classic. This RGB Color Sensor with IR filter and White LED comes fully assembled - with headers already soldered on.

MCP3008 - 8 Channel 10-Bit ADC With SPI Interface - Easy to use, SPI enabled chip that's perfect for adding 8 channels of 10-bit analog input to your microcontroller or microcomputer project.

Ethernet Cable - 5 foot long - An ethernet cable.

16GB SD/MicroSD Memory Card w/ NOOBS - This SD card comes pre-loaded with NOOBS which now supports running Windows 10 on your Raspberry Pi 3.

Electronic components

[1x Photo Cell](#)

[2x Breadboard Trim Potentiometer](#)

5x 10K 5% 1/4W Resistor

5x 560 ohm 5% 1/4W Resistor

1x Diffused 10mm Blue LED

1x Electrolytic Capacitor – 1.0uF

1x Diffused 10mm Red LED

1x Diffused 10mm Green LED

3x 12mm Tactile Switches

You can also use this pack with Raspbian Linux & Python, Here's a few Raspbian-based learn guides that are worth checking out to start. While they're for the Model B, they will all apply to the Raspberry Pi Model B+ and the Raspberry Pi 2 and 3.

[Introduction to outputs - light up an LED when you get an e-mail](#)

[Introduction to inputs - play MP3 audio files when three different buttons are pressed](#)

[Introduction to sensors - reading a photo cell sensor with RC timing to detect light changes](#)

Technical Details

Note: As of August 8th, 2016 this kit has been updated to be compatible with the Pi 3. This means that it no longer contains a WiFi Module and now contains a 16 GB SD card flashed with NOOBS.