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.
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 2.5A Switching Power Supply w/ 6’ MicroUSB Cable - The 5V 2.5A 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
- 2x Diffused 10mm Blue LED
- 2x Diffused 10mm Red LED
- 2x Diffused 10mm Green LED
- 3x 12mm Tactile Switches
- May include extras!

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
Revision History:

- As of July 30, 2018 this pack now comes with a 2.5A power supply instead of 2.4A.
- As of July 30, 2018 this now comes with full PIXEL desktop NOOBS 2.8 instead of NOOBS 2.1.
- As of August 8, 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.

LEARN

- Getting Started With Windows IoT Core on Raspberry Pi
- How we got up to speed!

Windows IoT Core Application Development:
- Headless Blinky
  Learn how to create an Windows IoT Core Headless Application

Windows IoT Core Application Development:
- Headed Blinky
  Learn how to create an Windows IoT Core Headed Application

Windows IoT Core Application Management
- Set an IoT application to run at startup

MAY WE ALSO SUGGEST...

- Microsoft IoT Pack for Raspberry Pi 3 Model B
- Raspberry Pi 2 Model B
- Miniature Wireless USB
- Microsoft Azure IoT Starter
- Raspberry Pi 2 or Model B+
"If A equals success, then the formula is A equals X plus Y plus Z. X is work. Y is play. Z is keep your mouth shut" - Albert Einstein