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Arrow Electronics, Inc
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Centennial, CO 80112

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Raspberry Pi 3 - Model B - ARMv8 with 1G RAM

PRODUCT ID: 3055

IN STOCK

1

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☐ Also include 1 x [Aluminum Heat Sink for Raspberry Pi 3 - 15 x 15 x 15mm](#) ()

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[DESCRIPTION](#)

[TECHNICAL DETAILS](#)



DESCRIPTION

Did you really think the Raspberry Pi would stop getting better? At this point, we sound like a broken record, extolling on the new Pi's myriad improvements like we're surprised that the folks at the Raspberry Pi Foundation are continuously making their flagship board better. Still, we'll say it again - the Raspberry Pi team have outdone themselves. The Raspberry Pi 3 Model B is out and it is AMAZING.

Note: This is NOT the new Pi 3 Model B+. This is the Pi 3 Model B. If you are trying to buy the trendy new [Pi 3 Model B+](#) [click here!](#)

There are two giant upgrades in the Pi 3. The first is a next generation Quad Core Broadcom BCM2837 64-bit ARMv8 processor, making the processor speed increase from 900 MHz on the Pi 2 to up to 1.2GHz on the Pi 3.

The second giant upgrade (and this is the one we're personally most excited about) is the addition of a BCM43438 WiFi chip BUILT-IN to your Raspberry Pi. No more pesky WiFi adapters - this Pi is WiFi ready. There's also Bluetooth Low Energy (BLE) on board making the Pi an excellent IoT solution (BLE support is still in the works, software-wise)

Lastly, there's an upgraded switched power source that goes up to 2.5 Amps instead of just 2 Amps - allowing your Pi to power even more powerful devices over USB ports.

Note: Our 5V 2.4 A power supply works great with the Pi 3 Model B and provides plenty of power to the chip, Ethernet, and any USB add-ons you plug in.

The best part about all this is that the Pi 3 keeps the same shape, connectors, and mounting holes as the Pi 2. The only difference is a slight change in where the LEDs are. 99% of cases and accessories will still be fully compatible with the Pi 3, Pi 2, and Pi B + - though if you have a case with a metal top there might be some WiFi chip difficulties.

Please note: Some boards are made in the UK, some in China. WE DO NOT KNOW IN ADVANCE WHICH ONES YOU MAY RECEIVE!

TECHNICAL DETAILS

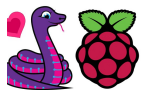
Please note: Even though the chip is a 64-bit ARMv8, Raspbian is currently only available in 32-bit ARMv7 compatible mode and so the OS may (confusingly) report it is an 32-bit ARMv7.

Product Dimensions: 86.9mm x 58.5mm x 19.1mm / 3.4" x 2.3" x 0.8"

Product Weight: 41.2g / 1.5oz



LEARN



[CircuitPython on Linux and Raspberry Pi](#)

Make hardware and interface with sensors super easy using CircuitPython



[Adafruit's Raspberry Pi Lesson 5. Using a Console Cable](#)

Learn how to Connect to your Raspberry Pi with a Console Cable



[Adafruit IO Basics: Color](#)

Add a splash of color to your Adafruit IO project.



[Internet of Things Printer for Raspberry Pi](#)

Build an "Internet of Things" connected mini printer that will do your bidding!



[Wood Case for Raspberry Pi 3](#)

Let's mill out some wood and acrylic!



[DIY WiFi Raspberry Pi Touchscreen Camera](#)

Make your own Cloud-connected point-and-shoot camera



Adafruit AMG8833 8x8

Thermal Camera Sensor

Build your own mini thermal camera



Retro Gaming with Raspberry Pi

Authentic sights, sounds and feel of 1980s arcade gaming.



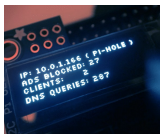
Arcade Bonnet Controller

Raspberry Pi Retro Arcade



Setting up a Raspberry Pi as a WiFi access point

Make the most adorable little WiFi router



Pi Hole Ad Blocker with Pi Zero W

Zap away ads using an ad-blocking custom DNS mini server



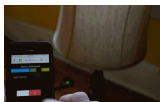
Running OpenGL-based Games & Emulators on Adafruit PiTFT Displays

More Games = More Fun!



Adafruit PiUART - USB Console and Power Add-on for Raspberry Pi

Power! Data! Pi Time!



Adafruit IO Basics: Digital Output

Turn on a LED or lamp from anywhere!



Ultimate Youtube Live Camera

Use a Raspberry Pi to stream directly to Youtube Live with the touch of a button!



Mini Raspberry Pi Handheld Notebook

Build a tiny handheld raspberry pi portable computer



Arm-based IoT Kit for Cloud IoT Core - Getting Started

Sensors, blinky things and code to get you connected to Google Cloud IoT Core and build end to end solutions.



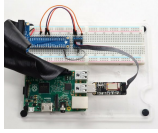
PiGRRRL 2

Make a portable Raspberry Pi 2 game console



Read-Only Raspberry Pi

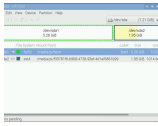
Avoid SD card corruption when powering off



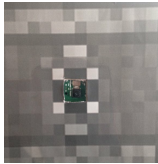
[Programming Microcontrollers using OpenOCD on a Raspberry Pi](#)
Native GPIO bit twiddling your way to success



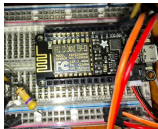
[All the Internet of Things - Episode Two](#)
Protocols



[Resizing the Raspberry Pi Boot Partition](#)
Long live Sneakernet!



[Raspberry Pi SelfieBlock](#)
Observe your friends with this Selfie Block!



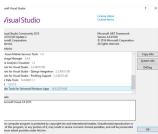
[DIY ESP8266 Home Security with Lua and MQTT](#)
Protect your home with MQTT and the ESP8266!



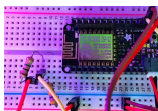
[Pi Hole Ad Detection Display with PiTFT](#)
Watch advertisements get blocked from your entire network, in real-time!



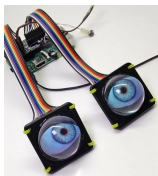
[3.5" PiTFT OctoPrint Rig](#)
Turn your Raspberry Pi into a OctoPrint Rig!



[Getting Started With Windows IoT Core on Raspberry Pi](#)
How we got up to speed!



[Manually bridging MQTT to Adafruit.IO](#)
Get sensor data from a local MQTT broker into Adafruit.IO



[Animated Snake Eyes Bonnet for Raspberry Pi](#)
The world's most esoteric Pi accessory?

MAY WE ALSO SUGGEST...



5V 2.5A Switching Power



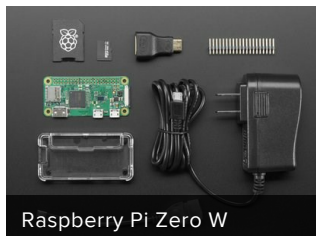
Raspberry Pi Zero W Basic



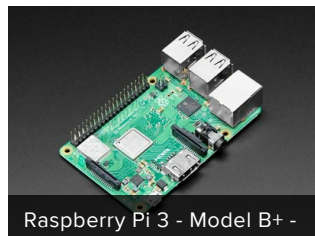
Raspberry Pi Zero Starter



Raspberry Pi 2 - Model B



Raspberry Pi Zero W



Raspberry Pi 3 - Model B+ -



Raspberry Pi Zero - Version



Raspberry Pi Zero W Starter



Raspberry Pi Zero W



Raspberry Pi Zero Budget



Computer Starter Kit for



Kano Computer Kit with

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"The Analytical Engine weaves algebraic patterns, just as the Jacquard loom weaves flowers and leaves" - [Ada Lovelace](#)

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4.9 ★★★★★
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Customer Reviews