# Welcome!

Pi-Curious Intro to Raspberry Pi and RetroPie June 10<sup>th</sup>, 2017

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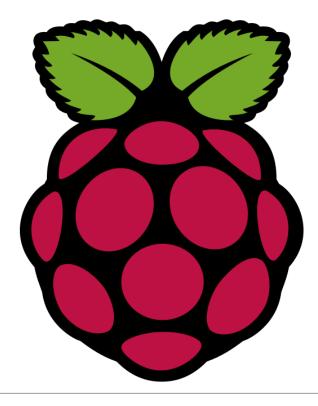






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## What is a Raspberry Pi?



#### Raspberry Pi

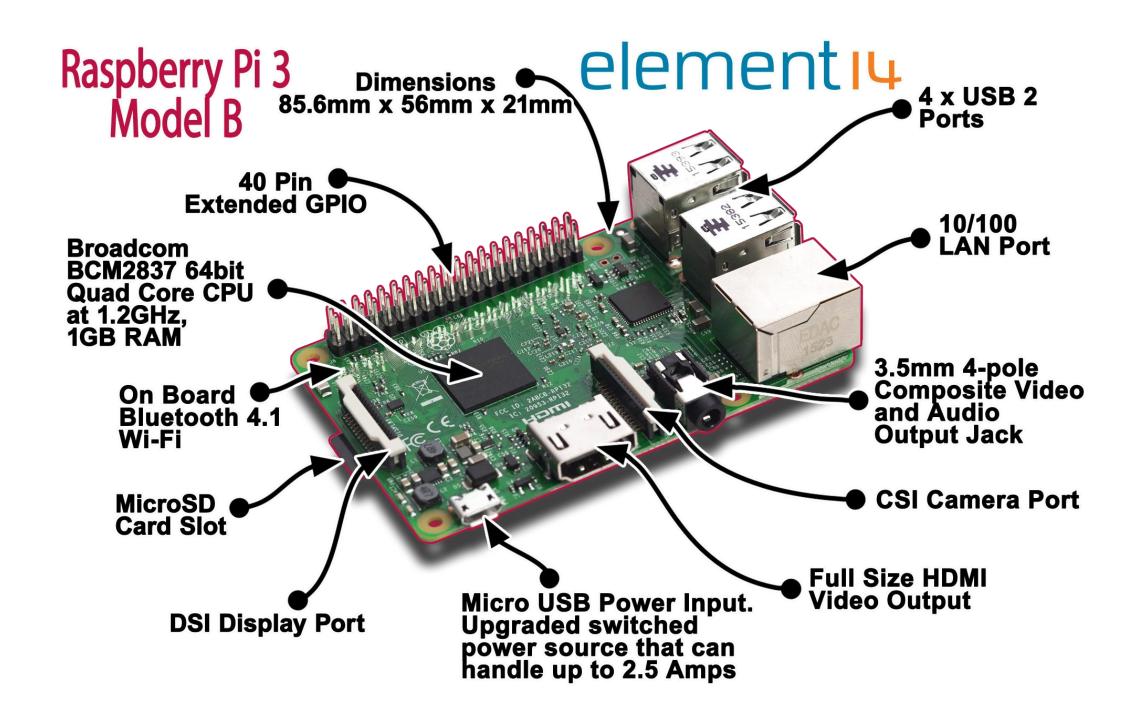
From Wikipedia, the free encyclopedia

"RPi" redirects here. For other uses, see RPI.

"Raspberry pie" redirects here. For the dessert, see List of pies, tarts and flans § Raspberry pie.

The **Raspberry Pi** is a series of small single-board computers developed in the United Kingdom by the Raspberry Pi Foundation to promote the teaching of basic computer science in schools and in developing countries. [4][5][6] The original model became far more popular than anticipated, [7] selling outside of its target market for uses such as robotics. Peripherals (including keyboards, mice and cases) are not included with the Raspberry Pi. Some accessories however have been included in several official and unofficial bundles. [7]

According to the Raspberry Pi Foundation, over 5 million Raspberry Pis have been sold before February 2015, making it the best-selling British computer.<sup>[8]</sup> By November 2016 they had sold 11 million units.<sup>[9][10]</sup>



































### Closer Look at Pi 3 Model B

- Application Processor
  - 64 bit
    - Quad Core
    - 1.2 GHz
    - ARM Cortex-A53 Processor (ARM V8 ISA)
- GPU
  - 400 MHz
  - Videocore IV Multimedia Co-Processor

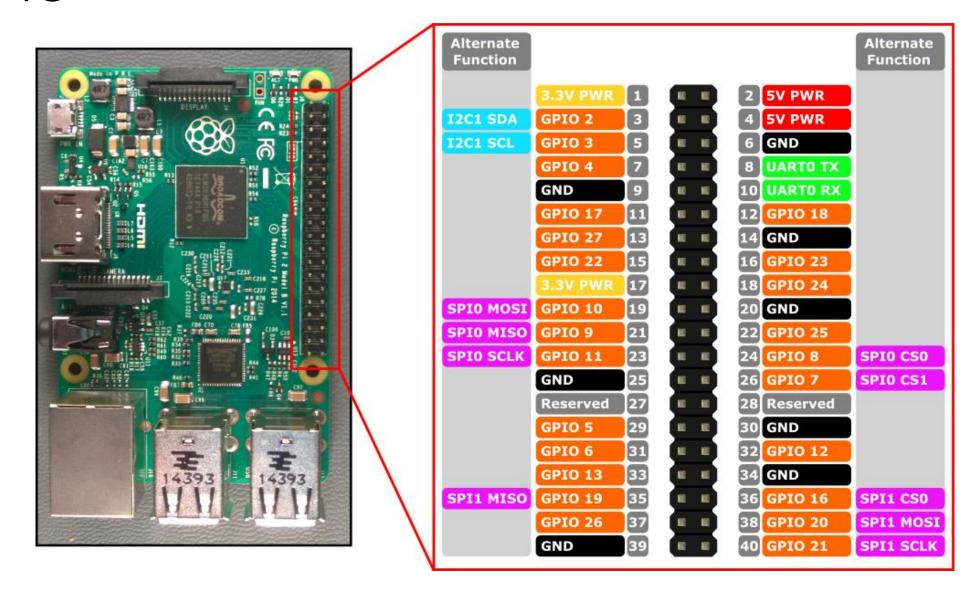


#### **Chip Antenna**

A ceramic chip antenna is used by WiFi and Bluetooth 4.1 SoC BCM43438. The chip antenna moves the indicator LEDs that were present in Pi 2 to the lower side of PCB.



#### **GPIO**



## Raspbian Jesse & Linux

