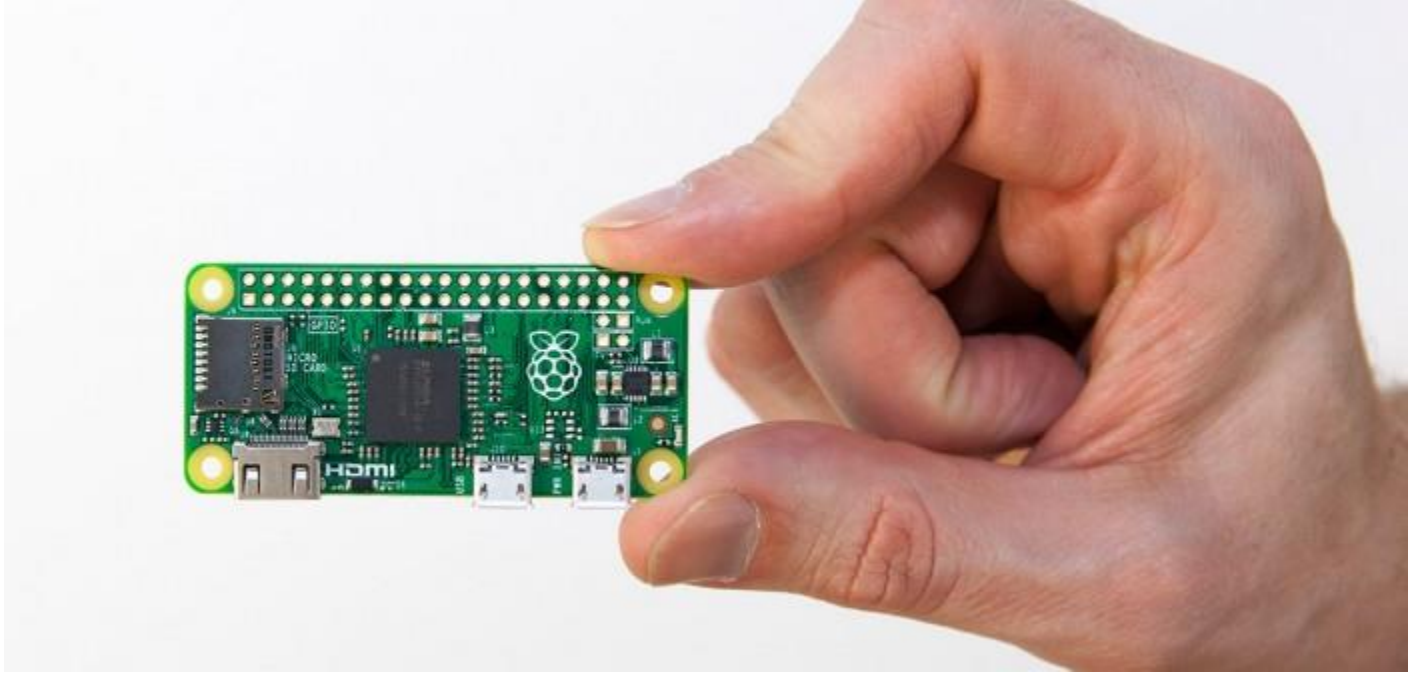
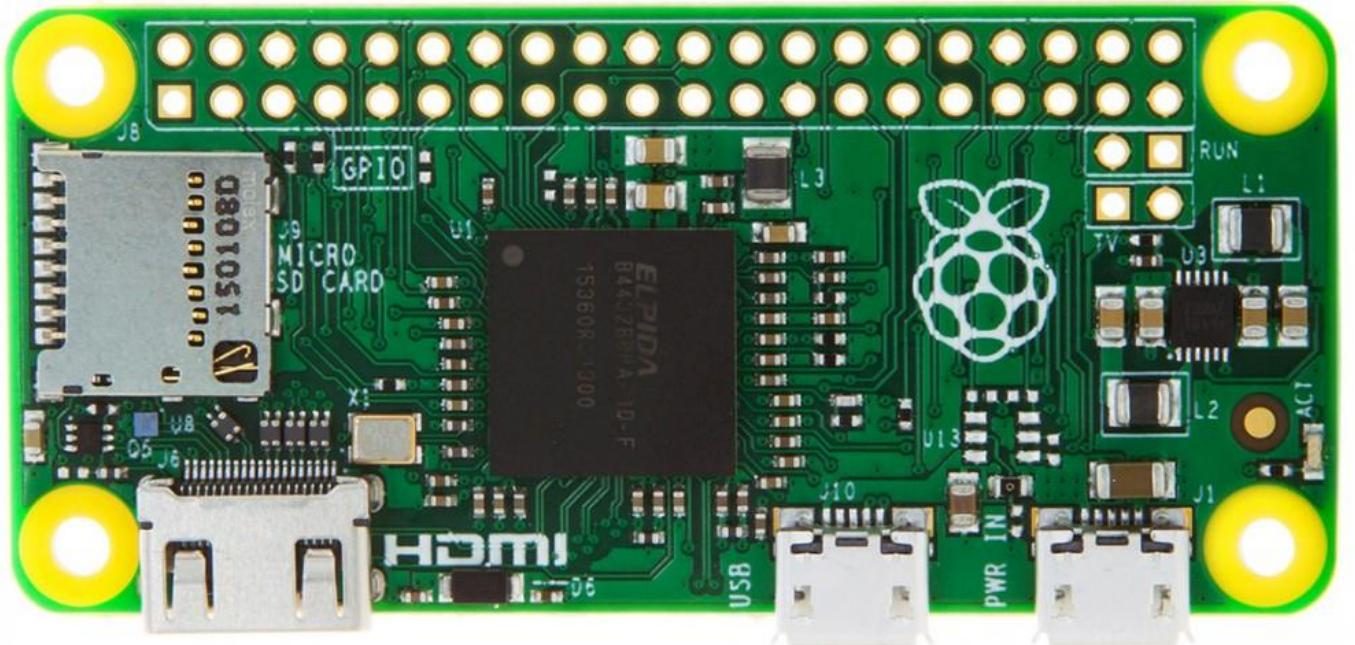


# Introducing the Raspberry Pi Zero

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By Matt on November 26, 2015 News, Pi Zero





## Specifications

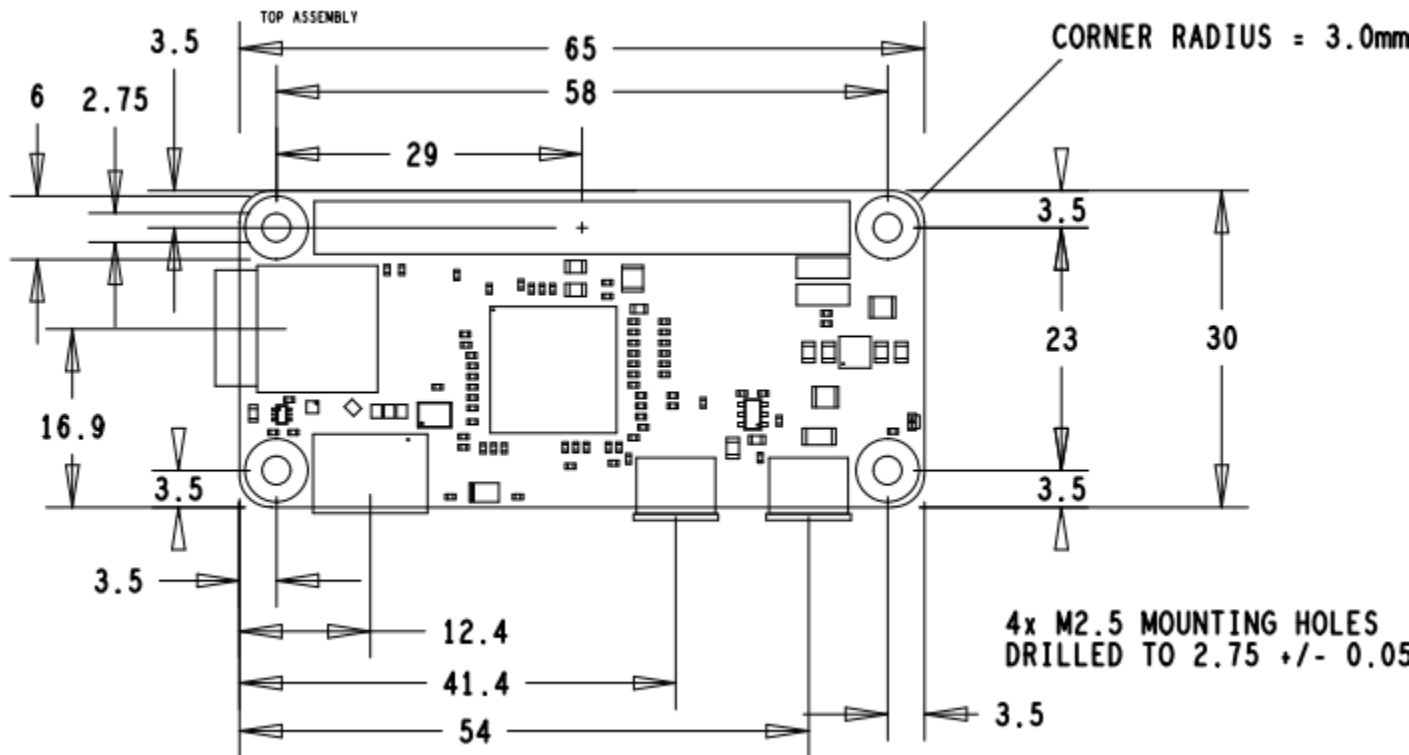
The Pi Zero boasts some impressive specifications :

- Broadcom BCM2835 application processor
- 1GHz ARM11 core (40% faster than Raspberry Pi 1)
- 512MB of LPDDR2 SDRAM
- A micro-SD card slot
- A mini-HDMI socket for 1080p60 video output
- Micro-USB sockets for data and power
- An unpopulated 40-pin GPIO header
- Identical pinout to Model A+/B+/2B
- An unpopulated composite video header

The 40 pin GPIO header is the same as on previous models but it is unpopulated so you will need to solder on a suitable header if required. The mini-HDMI port may require an adapter if you wish to use a standard HDMI cable. Most sellers are offering a kit of cables, adapters and headers to get you started if you don't already have suitable items in your toolbox.

## Mechanical Specifications

- Dimensions : 65mm x 30mm x 5mm
- Weight : 9g



*Pi Zero Mechanical Diagram from Raspberry Pi Foundation*

The Pi Zero is half the size of the A+. The top two holes are in the same positions.

## Networking

Like the Model A/A+ the Pi Zero does not have an Ethernet port. This makes it not suitable for some projects and is not a replacement for the Model B+ or Pi 2. You can still use the USB port for a WiFi dongle but you may need a microUSB to USB cable/adaptor.

## Power Consumption

The official power consumption is 160mA. That's similar to the Model A+. Alex Eames has performed some more detailed tests in his [Pi Zero Power Measurements](#) blog post. He has determined the consumption is closer to 140mA.