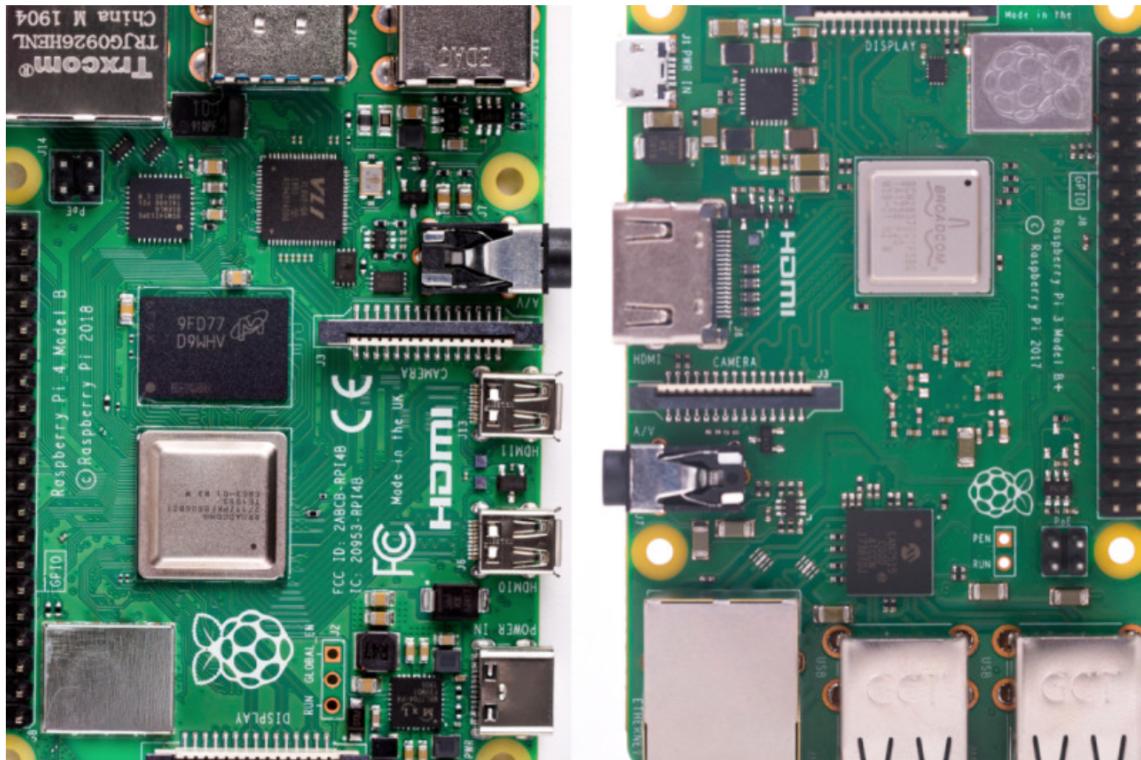


Raspberry Pi 4 Vs Raspberry Pi 3:



	Raspberry Pi 4	Raspberry Pi 3
SoC	Broadcom BCM2711, Quad core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz	Broadcom BCM2837B0 quad-core A53 (ARMv8) 64-bit @ 1.4GHz
RAM	4GB LPDDR4 SDRAM	1 GB LPDDR2 SDRAM
USB	2x USB 3.0 + 2x USB 2.0	4x USB 2.0

Power	5V via USB type-C up to 3A and GPIO header up to 3A	5V via micro USB up to 2.5A and GPIO header up to 3A
Expansion	40-pin GPIO header	40-pin GPIO header

Advantages and Disadvantages of the new Raspberry Pi 4

Despite being an upgrade from the Raspberry Pi 3 Model B+ the Raspberry Pi 4 still have its advantages and disadvantages.

Advantages

- Better CPU = Better processing and performance speeds.
- Can support 2 4K monitors
- USB 3.0 and USB type C power supply.
- More ports
- More memory for your projects.

Disadvantages

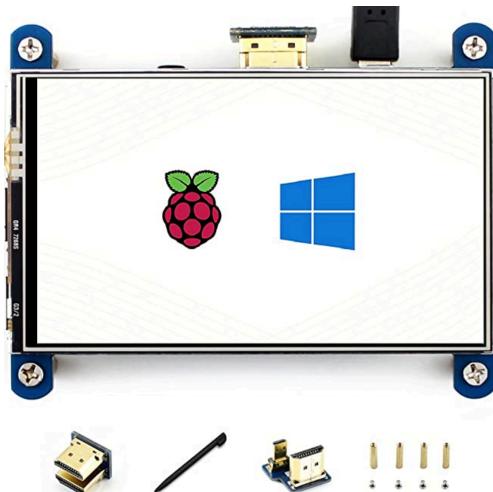
- Heat issues (eg. Overheating)

Heat issues

With the high-performance power and processing speeds of the 1.5GHz quad-core 64-bit Arm Cortex-A72 CPU, the Raspberry Pi 4 inevitably will generate more heat. There will be a possibility that your Raspberry Pi 4 may run into some heat issues.

source: <https://www.seeedstudio.com/blog/2019/09/30/raspberry-pi-4-vs-pi-3-all-the-major-differences/>

4 inch HDMI LCD IPS Display 800x480 Resolution Resistive Touch Screen HDMI Interface for Raspberry Pi 3 B/3 B+/2 B/B+/B Zero W



- 800x480 high hardware resolution, 4 inch touch screen, IPS display, high quality and perfect displaying from very wide viewing angle. Backlight can be turned off to lower power consumption.
- Compatible and Direct-connect with any revision of Raspberry Pi
- Drivers provided (works with your own Raspbian). Also works as a computer monitor, in this case, touch panel is unavailable and HDMI cable is required
- HDMI interface for displaying, no I/Os required (however, the touch panel still needs I/Os)

<https://www.amazon.com/HDMI-LCD-Resolution-Resistive-Screen/dp/B07P5H2315>

Ardumax 5MP Camera for Raspberry Pi, 1080P HD OV5647 Camera Module V1 for Pi 4, Raspberry Pi 3, 3B+, and Other A/B Series



- High-Definition video camera for Raspberry Pi Model A or B, B+, model 2, Raspberry Pi 3, 3 B+, Pi 4

- 5MPixel sensor with Omnivision OV5647 sensor in a fixed-focus lens. Software auto focus lens: B07SN8GYGD
- Integral IR filter
- Still picture resolution: 2592 x 1944; Max video resolution: 1080p