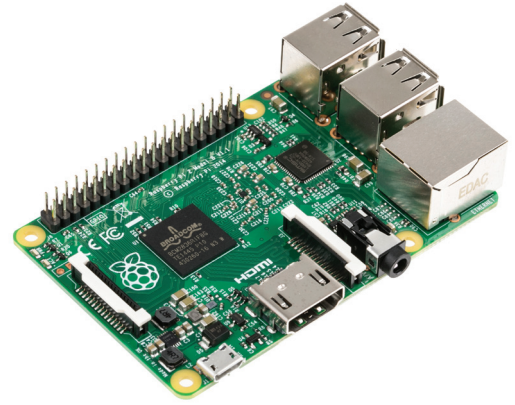


Raspberry Pi



Raspberry Pi 2, Model B

Product Name Raspberry Pi 2, Model B

Product Description The Raspberry Pi 2 delivers 6 times the processing capacity of previous models. This second generation Raspberry Pi has an upgraded Broadcom BCM2836 processor, which is a powerful ARM Cortex-A7 based quad-core processor that runs at 900MHz.

Core architecture

Broadcom BCM2836 SoC

CPU

Quad-core ARM Cortex-A7

GPU

900 MHz

Dual Core VideoCore IV® Multimedia Co-Processor

Provides Open GL ES 2.0, hardware-accelerated OpenVG, and 1080p30 H.264 high-profile decode

Capable of 1Gpixel/s, 1.5Gtexel/s or 24GFLOPs with texture filtering and DMA infrastructure



Memory

1GB LPDDR2

Operating System

Boots from Micro SD card, running a version of the Linux operating system

Dimensions

85 x 56 x 17mm

Power

Micro USB socket 5V, 2A

Connectors:

Ethernet

10/100 BaseT Ethernet socket

Video Output

HDMI (rev 1.3 & 1.4)

Composite RCA (PAL and NTSC)

Audio Output

3.5mm jack, HDMI

USB

4 x USB 2.0 Connector

GPIO Connector

40-pin 2.54 mm (100 mil) expansion header: 2x20 strip

Providing 27 GPIO pins as well as +3.3 V, +5 V and GND supply lines

Camera Connector

15-pin MIPI Camera Serial Interface (CSI-2)

JTAG

Not populated

Display Connector

Display Serial Interface (DSI) 15 way flat flex cable connector with two data lanes and a clock lane

Memory Card Slot

Micro SDIO