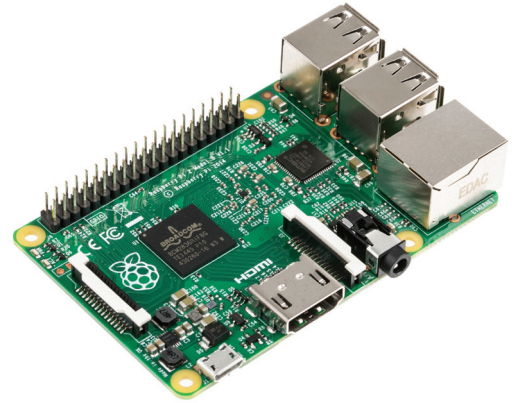


# Raspberry Pi



## 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 800MHz. The board also features an increase in memory capacity to 1Gbyte.

**RS Part Number** 832-6274

### Specifications

<b>Chip</b>	Broadcom BCM2836 SoC
<b>Core architecture</b>	Quad-core ARM Cortex-A7
<b>CPU</b>	800 MHz
<b>GPU</b>	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
<b>Memory</b>	1GB LPDDR2
<b>Operating System</b>	Boots from Micro SD card, running a version of the Linux operating system
<b>Dimensions</b>	85 x 56 x 17mm
<b>Power</b>	Micro USB socket 5V, 2A

### Connectors:

<b>Ethernet</b>	10/100 BaseT Ethernet socket
<b>Video Output</b>	HDMI (rev 1.3 & 1.4) Composite RCA (PAL and NTSC)
<b>Audio Output</b>	3.5mm jack, HDMI
<b>USB</b>	4 x USB 2.0 Connector
<b>GPIO Connector</b>	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
<b>Camera Connector</b>	15-pin MIPI Camera Serial Interface (CSI-2)
<b>JTAG</b>	Not populated
<b>Display Connector</b>	Display Serial Interface (DSI) 15 way flat flex cable connector with two data lanes and a clock lane
<b>Memory Card Slot</b>	Micro SDIO

