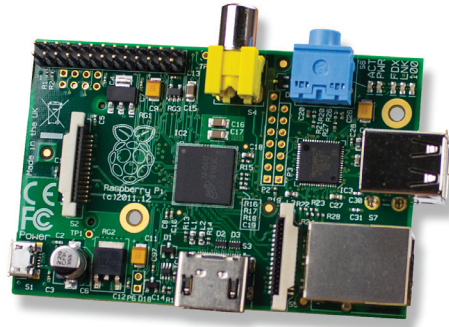


Raspberry Pi



MODEL B

Product Name Raspberry Pi Model B

Product Description The Raspberry Pi is a small, powerful and lightweight ARM based computer which can do many of the things a desktop PC can do. The powerful graphics capabilities and HDMI video output make it ideal for multimedia applications such as media centres and narrowcasting solutions. The Raspberry Pi is based on a Broadcom BCM2835 chip. It does not feature a built-in hard disk or solid-state drive, instead relying on an SD card for booting and long-term storage.

RS Part Number 756-8308

Specifications

Chip Broadcom BCM2835 SoC (a)

Core architecture ARM11

CPU 700 MHz Low Power ARM1176JZFS Applications Processor

GPU 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 512MB SDRAM

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

Dimensions 85.6 x 53.98 x 17mm

Power Micro USB socket 5V, 1.2A (l)

Connectors:

Ethernet 10/100 BaseT Ethernet socket (b)

Video Output HDMI (rev 1.3 & 1.4) (c); Composite RCA (PAL and NTSC) (d)

Audio Output 3.5mm jack (e), HDMI

USB 2.0 Dual USB Connector (f)

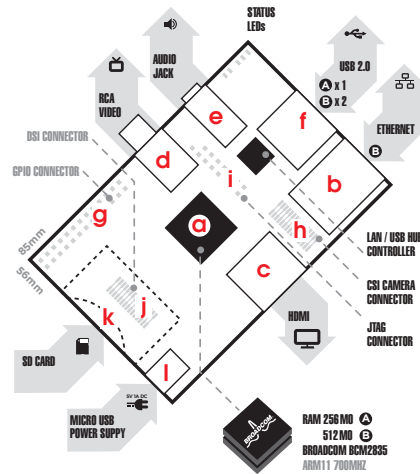
GPIO Connector 26-pin 2.54 mm (100 mil) expansion header: 2x13 strip. Providing 8 GPIO pins plus access to I²C, SPI and UART as well as +3.3 V, +5 V and GND supply lines (g)

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

JTAG Not populated (i)

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

Memory Card Slot SDIO (k)



Accessories



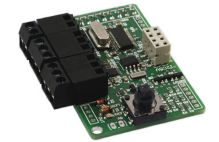
▲ Camera Module
775-7731



▲ International power supply
765-3311



▲ 8GB SD card pre-programmed with NOOBS - 779-6770



▲ Expansion board
772-2974



▲ WiFi dongle
760-3621



▲ 10400mAh Li-Ion battery pack
775-7517



▲ Raspberry Pi user guide
768-6686

