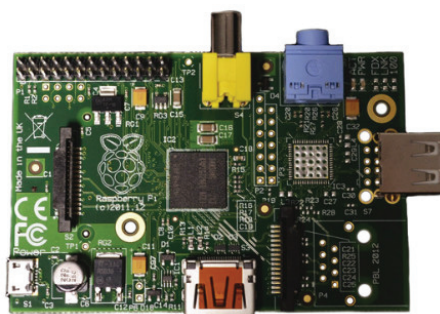


MODEL A



Product Name

Raspberry Pi Model A

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

756-8317

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

256MB 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

Not populated (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

Single 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

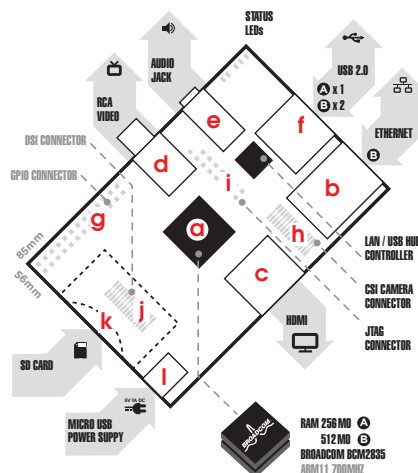
Not populated (i)

Display Connector

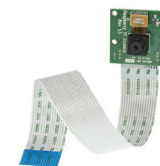
Display Serial Interface (DSI) 15 way flat flex cable connector with two data lanes and a clock lane (j)

Memory Card Slot

SDIO (k)



Accessories



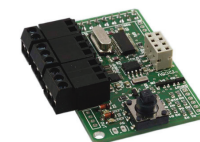
▲ Camera Module
775-7731



▲ International power supply
765-3311



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



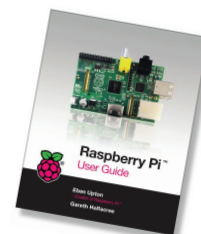
▲ Expansion board
772-2974



▲ WiFi dongle
760-3621



▲ 10400mAh Li-Ion battery pack
775-7517



▲ Raspberry Pi user guide
768-6686

