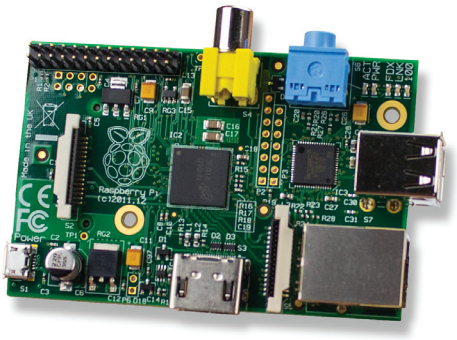
Raspberry Pi



MODEL B

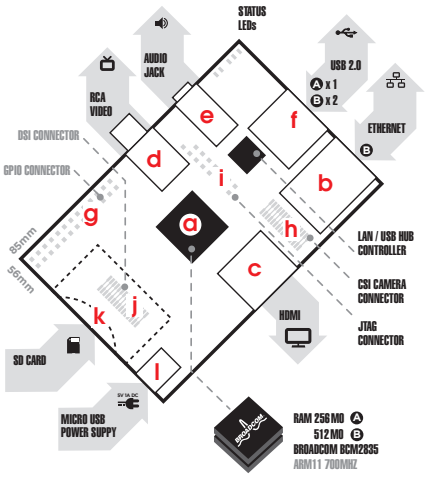
Product Name	**Raspberry Pi Model B**
Product Description	The Raspberry Pi is a small, powerful and lightweight ARM based computer which can do many of the things a desktop PC can do. The powerful graphics capabilities and HDMi video output make it ideal for multimedia applications such as media centres 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)

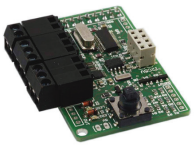


Accessories

▲ 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