



Raspberry Pi[®]

SPECIFICATIONS

	MODEL A	MODEL B	MODEL A+	MODEL B+	RASPBERRY PI 2	RASPBERRY PI 3	RASPBERRY PI ZERO
System-on-a-chip (SoC): ^[1]	Broadcom BCM2835 (CPU + GPU. SDRAM is a separate chip stacked on top)				Broadcom BCM2836	Broadcom BCM2837	Broadcom BCM2835
CPU:	700 MHz ARM11 ARM1176JZF-S core				900MHz quad-core ARMv7 Cortex-A7	1.2GHz 64-bit quad-core ARMv8 Cortex-A53	1000MHz Low Power ARM1176JZ-F
GPU:	Broadcom VideoCore IV, OpenGL ES 2.0, OpenVG 1080p30 H.264 high-profile encode/decode, 250 MHz					Broadcom VideoCore IV, OpenGL ES 2.0, OpenVG 1080p60 H.264 high-profile encode/decode, 400 MHz	Broadcom VideoCore IV
Memory (SDRAM)iB	256 MiB (planned with 128 MiB, upgraded to 256 MiB on 29 Feb 2012)	256 MiB (until 15 Oct 2012); 512 MiB (since 15 Oct 2012)	256 MiB	512 MiB	1024 MiB		512 MiB
USB ports:	1 USB 2.0 (provided by the BCM2835)	2 USB 2.0 (via integrated USB hub in LAN9512)	1 USB 2.0 (provided by the BCM2835)	4 USB 2.0 (via integrated USB hub in LAN9514)			1 Micro USB OTG (On The Go)
Video outputs: ^[1]	Composite video Composite RCA, HDMI (not at the same time)		HDMI Composite video requires 4 Pole Adapter				HDMI, Composite video via unsoldered 2-pin header

Audio outputs: ^[1]	TRS connector 3.5 mm jack, HDMI						Multi-Channel HD Audio over HDMI
Audio inputs:	None, but a USB mic or sound-card could be added						
Onboard Storage:	Secure Digital SD / MMC / SDIO card slot		Micro Secure Digital / MicroSD slot				
Onboard Network: ^[1]	None	10/100 wired Ethernet RJ45	None	10/100 wired Ethernet RJ45	10/100 wired Ethernet RJ45, integrated 802.11n Wi-Fi & Bluetooth 4.1	None	
Low-level peripherals:	26 General Purpose Input/Output (GPIO) pins, Serial Peripheral Interface Bus (SPI), I ² C, I ² S ^[5] , Universal asynchronous receiver/transmitter (UART)		40 General Purpose Input/Output (GPIO) pins, Serial Peripheral Interface Bus (SPI), I ² C, I ² S, ^[5] I ² C IDC Pins, Universal asynchronous receiver/transmitter (UART)			40 General Purpose Input/Output (GPIO) pins, Serial Peripheral Interface Bus (SPI) (unpopulated)	
Real-time clock: ^[1]	None						
Power ratings:	300 mA, (1.5 W) ^[1]	700 mA, (3.5 W)	600mA up to 1.2A @ 5V	~650 mA, (3.0 W) ^[6]	800mA (4.0 W), up to 2.5A	160mA rating	
Power source: ^[1]	5 V (DC) via Micro USB type B or GPIO header						
Size:	85.0 x 56.0 mm x 15mm	85.0 x 56.0 mm x 17mm	65.0 x 56.0 mm x 12mm	85.0 x 56.0 mm x 17mm	85.0 x 56.0 mm x 17mm	85.6 x 56.5 mm x 17mm	65.0 x 30.0 mm x 5mm
Weight:	31g	40g	23g	40g	40g	45g	9g