ModMyPi Raspberry Pi Comparison Chart

Family	Model B						Model A		Zero			Compute		
Introduction	The Raspberry Pi Model B is the flagship Raspberry Pi Model, with the fastest CPU and most connectivity features. The latest revision (Raspberry Pi 3 - Model B+) features a 1.4GHz Quad Core processor, and on board 5GHz WiFi & Bluetooth. The Model B is the largest Pi available with the approximate size of a credit card.						The Raspberry Pi Model A is a cut down version of the Model B, featuring a smaller form factor and only one USB port. The Model A's do not include ethernet, and are designed to be lower cost, lower power consumption alternative to the Model B		The Raspberry Pi Zero is an ultra low cost and ultra small variant of the Raspberry Pi. It comes with an unpopulated GPIO header, and only a single micro USB port for connectivity. The Raspberry Pi Zero W (Wireless) includes on board WiFi and Bluetooth.			The Compute Module features a 200 Pin DDR2-SODIMM layout, and is designed for engineers who need Raspberry Pi functionality but need a smaller form factor for embedded designs.		
Model	Raspberry Pi Model B	Raspberry Pi Model B+	Raspberry Pi 2 Model B	Raspberry Pi 2 Model B v1.2	Raspberry Pi 3 Model B	Raspberry Pi 3 Model B+	Raspberry Pi Model A	Raspberry Pi Model A+	Raspberry Pi Zero v1.2	Raspberry Pi Zero v1.3	Raspberry Pi Zero Wireless	Compute Module	Compute Module 3	Compute Module 3 Lite
Release Date	Mar-12	Jul-14	Feb-15	Oct-16	Feb-16	Mar-18	Feb-13	Nov-14	Nov-15	May-16	Feb-17	Apr-14	Jan-17	Jan-17
Latest Version	EOL (End of Life)	Legacy (In Production)	Legacy (In Production)	Legacy (In Production)	Legacy (In Production)	Latest Version	EOL (End of Life)	Latest Version	EOL (End of Life)	Latest Version	Latest Version	Legacy (In Production)	Latest Version	Latest Version
Pricing														
RRP (USD)	$35.00	$35.00	$35.00	$35.00	$35.00	$35.00	$25.00	$20.00	$5.00	$5.00	$10.00	$30.00	$30.00	$25.00
SOC														
SOC Type	Broadcom BCM2835	Broadcom BCM2835	Broadcom BCM2836	Broadcom BCM2837	Broadcom BCM2837	Broadcom BCM2837B0	Broadcom BCM2835	Broadcom BCM2835	Broadcom BCM2835	Broadcom BCM2835	Broadcom BCM2835	Broadcom BCM2835	Broadcom BCM2837	Broadcom BCM2837
Core Architecture	ARMv6Z (32-bit)	ARMv6Z (32-bit)	ARMv7-A (32-bit)	ARMv8-A (64/32-bit)	ARMv8-A (64/32-bit)	ARMv8-A (64/32-bit)	ARMv6Z (32-bit)	ARMv6Z (32-bit)	ARMv6Z (32-bit)	ARMv6Z (32-bit)	ARMv6Z (32-bit)	ARMv6Z (32-bit)	ARMv8-A (64/32-bit)	ARMv8-A (64/32-bit)
No. of Cores	1	1	4	4	4	4	1	1	1	1	1	1	4	4
GPU	Broadcom VideoCore IV 1080p30	Broadcom VideoCore IV 1080p30	Broadcom VideoCore IV 1080p30	Broadcom VideoCore IV 1080p60	Broadcom VideoCore IV 1080p60	Broadcom VideoCore IV 1080p60	Broadcom VideoCore IV 1080p30	Broadcom VideoCore IV 1080p30	Broadcom VideoCore IV 1080p30	Broadcom VideoCore IV 1080p30	Broadcom VideoCore IV 1080p30	Broadcom VideoCore IV 1080p30	Broadcom VideoCore IV 1080p60	Broadcom VideoCore IV 1080p60
CPU Clock	700 MHz Single Core ARM1176JZF-S	700 MHz Single Core ARM1176JZF-S	900 MHz Quad Core ARM Cortex-A7	900 MHz Quad Core ARM Cortex-A53	1.2 GHz Quad Core ARM Cortex-A53	1.4 GHz Quad Core ARM Cortex-A53	700 MHz Single Core ARM1176JZF-S	700 MHz Single Core ARM1176JZF-S	1 GHz Single Core ARM1176JZF-S	1 GHz Single Core ARM1176JZF-S	1 GHz Single Core ARM1176JZF-S	700 MHz Single Core ARM1176JZF-S	1.2 GHz Quad Core ARM Cortex-A53	1.2 GHz Quad Core ARM Cortex-A53
RAM	512 MB	512 MB	1 GB	1 GB	1 GB	1 GB	256 MB	512 MB	512 MB	512 MB	512 MB	512 MB	1 GB	1 GB
Connectivity														
USB Ports	2 x USB	4 x USB	4 x USB	4 x USB	4 x USB	4 x USB	1 x USB	1 x USB	1 x Micro USB (OTG)	1 x Micro USB (OTG)	1 x Micro USB (OTG)	1 x USB	1 x USB	1 x USB
Ethernet	10/100Mbit/s Ethernet Port	10/100Mbit/s Ethernet Port	10/100Mbit/s Ethernet Port	10/100Mbit/s Ethernet Port	10/100Mbit/s Ethernet Port	10/100/1000 Mbit/s (~300Mbit/s) Ethernet Port	No	No	No	No	No	No	No	No
Wi-Fi	No	No	No	No	On Board WiFi 802.11n	On Board WiFi 802.11ac Dual Band 2.4GHz & 5GHz	No	No	No	No	On Board WiFi 802.11n	No	No	No
Bluetooth®	No	No	No	No	On Board Bluetooth 2.0/4.1	On Board Bluetooth 2.0/4.1/4.2 LS BLE	No	No	No	No	On Board Bluetooth 2.0/4.1	No	No	No
Video Output	HDMI RCA DSI (for LCD)	HDMI 3.5mm Composite DSI (for LCD)	HDMI 3.5mm Composite DSI (for LCD)	HDMI 3.5mm Composite DSI (for LCD)	HDMI 3.5mm Composite DSI (for LCD)	HDMI 3.5mm Composite DSI (for LCD)	HDMI RCA DSI (for LCD)	HDMI 3.5mm Composite DSI (for LCD)	Mini HDMI Composite via PCB	Mini HDMI Composite via PCB	Mini HDMI Composite via PCB	HDMI 2 x DSI (for LCD) Composite	HDMI 2 x DSI (for LCD) Composite	HDMI 2 x DSI (for LCD) Composite
Audio Output	I²S HDMI 3.5mm Jack	I²S HDMI 3.5mm Composite	I²S HDMI 3.5mm Composite	I²S HDMI 3.5mm Composite	I²S HDMI 3.5mm Composite	I²S HDMI 3.5mm Composite	I²S HDMI 3.5mm Jack	I²S HDMI 3.5mm Composite	I²S Mini HDMI	I²S Mini HDMI	I²S Mini HDMI	I²S HDMI Composite/Analog	I²S HDMI Composite/Analog	I²S HDMI Composite/Analog
Camera Input	15 Pin CSI	15 Pin CSI	15 Pin CSI	15 Pin CSI	15 Pin CSI	15 Pin CSI	15 Pin CSI	15 Pin CSI	No	15 Pin CSI	15 Pin CSI	2 x 15 Pin CSI	2 x 15 Pin CSI	2 x 15 Pin CSI
No. of GPIO Pins	26	40	40	40	40	40	26	40	40 Header NOT Installed	40 Header NOT Installed	40 Header NOT Installed	46 (200 DDR2-SODIMM)	46 (200 DDR2-SODIMM)	46 (200 DDR2-SODIMM)
GPIO Functions	8 x GPIO UART I²C SPI I²S 1-Wire 3.3V/5V/GND	17 x GPIO UART I²C SPI I²S 1-Wire 3.3V/5V/GND EEPROM	17 x GPIO UART I²C SPI I²S 1-Wire 3.3V/5V/GND EEPROM	17 x GPIO UART I²C SPI I²S 1-Wire 3.3V/5V/GND EEPROM	17 x GPIO UART I²C SPI I²S 1-Wire 3.3V/5V/GND EEPROM	17 x GPIO UART I²C SPI I²S 1-Wire 3.3V/5V/GND EEPROM	8 x GPIO UART I²C SPI I²S 1-Wire 3.3V/5V/GND	17 x GPIO UART I²C SPI I²S 1-Wire 3.3V/5V/GND EEPROM	17 x GPIO UART I²C SPI I²S 1-Wire 3.3V/5V/GND EEPROM	17 x GPIO UART I²C SPI I²S 1-Wire 3.3V/5V/GND EEPROM	17 x GPIO UART I²C SPI I²S 1-Wire 3.3V/5V/GND EEPROM	46 x GPIO UART I²C SPI I²S 1-Wire 3.3V/5V/GND EEPROM	46 x GPIO UART I²C SPI I²S 1-Wire 3.3V/5V/GND EEPROM	46 x GPIO UART I²C SPI I²S 1-Wire 3.3V/5V/GND EEPROM
Memory	SD	MicroSD	MicroSD	Micro SD	MicroSD	MicroSD	SD	Micro SD	MicroSD	MicroSD	MicroSD	4GB On Board eMMC	4GB On Board eMMC	No
HAT Compliant	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes (pHAT)	Yes (pHAT)	Yes (pHAT)	NA	NA	NA
POE (Power over Ethernet)	No	No	No	No	No	Yes	No	No	No	No	No	NA	NA	NA
Dimensions														
Length (mm)	85.6	85.6	85.6	85.6	85.6	85.6	85.6	65.0	65.0	65.0	65.0	67.6	67.6	67.6
Width (mm)	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	30.0	30.0	30.0	30.0	31.0	31.0
Depth Inc. Connectors(mm)	17.0	17.0	17.0	17.0	17.0	17.0	10.0	10.0	5.0	5.0	5.0	5.0	5.0	5.0
Weight (g)	45.0	45.0	45.0	45.0	45.0	45.0	31.0	23.0	9.0	9.0	9.0	7.0	7.0	7.0
Power														
Approx. Power Rq. Min - Max	700mA	200mA- 350mA	200mA - 850mA	300mA - 1.3A	300mA - 1.3A	450mA - 1.2A	300mA	200mA	100mA - 350mA	100mA - 350mA	100mA - 350mA	100mA - 350mA	700mA	700mA
Power Input	Micro USB 5V @ 2A	Micro USB 5V @ 2A	Micro USB 5V @ 2A	Micro USB 5V @ 2.5A	Micro USB 5V @ 2.5A	Micro USB 5V @ 2.5A	Micro USB 5V @ 2A	Micro USB 5V @ 2A	Micro USB 5V @ 2.5A	Micro USB 5V @ 2.5A	Micro USB 5V @ 2.5A	Micro USB 5V @ 2.5A	Micro USB 5V @ 2.5A	Micro USB 5V @ 2.5A