						Mod	MyPi Raspb	erry Pi Comp	arison 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 1.40Hz 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 does not include ethernet, and is designed to be lower cost and 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 3 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-18	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)	Legacy (In Production)	Latest Version	EOL (End of Life)	Latest Version	Latest Version	Legacy (In Production)	Latest Version	Latest Version
RRP (USD)	\$35.00	\$35.00	\$35.00	\$35.00	\$35.00	\$35.00	\$25.00	\$20.00 SOC	\$25.00	\$5.00	\$5.00	\$10.00	\$30.00	\$30.00	\$25.00
SOC Type	Broadcom BCM2835 ARMv6Z	Broadcom BCM2835 ARMv6Z	Broadcom BCM2836 ARMv7-A	Broadcom BCM2837 ARMv8-A	Broadcom BCM2837 ARMv8-A	Broadcom BCM2837B0 ARMy8-A	Broadcom BCM2835 ARMv6Z	Broadcom BCM2835 ARMv6Z	Broadcom BCM2837B0 ARMv8-A	Broadcom BCM2835 ARMv6Z	Broadcom BCM2835 ARMv6Z	Broadcom BCM2835 ARMy6Z	Broadcom BCM2835 ARMv6Z	Broadcom BCM2837 ARMv8-A	Broadcom BCM2837 ARMy8-A
Core Architecture	(32-bit)	(32-bit)	(32-bit)	(64/32-bit)	(64/32-bit)	(64/32-bit)	(32-bit)	(32-bit)	(64/32-bit)	(32-bit)	(32-bit)	(32-bit)	(32-bit)	(64/32-bit)	(64/32-bit)
No. of Cores	Broadcom VideoCore IV 1080p30	1 Broadcom VideoCore IV 1080p30	4 Broadcom VideoCore IV 1080p30	4 Broadcom VideoCore IV 1080p60	4 Broadcom VideoCore IV 1080p60	4 Broadcom VideoCore IV 1080p60	Broadcom VideoCore IV 1080p30	Broadcom VideoCore IV 1080p30	4 Broadcom VideoCore IV 1080p60	1 Broadcom VideoCore IV 1080p30	1 Broadcom VideoCore IV 1080p30	1 Broadcom VideoCore IV 1080p30	1 Broadcom VideoCore IV 1080p30	4 Broadcom VideoCore IV 1080p60	4 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	1.4 GHz Quad Core ARM Cortex-A53	1 GHz Single Core ARM1176JZF-S	l 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	512MB	512 MB	512 MB	512 MB	512 MB	1 GB	1 GB
USB Ports	2 x USB	4 x USB	4 x USB	4 x USB	4 x USB	4 x USB	1 x USB	onnectivity 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	No
Wi-Fi	No	No	No	No	On Board WiFi 802.11n	On Board WiFi 802.11ac Dual Band 2.4GHz & 5GHz	No	No	On Board WiFi 802.11ac Dual Band 2.4GHz & 5GHz	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	On Board Bluetooth 4.2/BLE	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)	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	I ² S HDMI 3.5mm Jack	-	-	I ² S HDMI 3.5mm Composite		I ² S HDMI 3.5mm Composite		I ² S HDMI 3.5mm Composite	Composite	I ² S Mini HDMI	I ² S Mini HDMI	I ² S Mini HDMI	I ² S HDMI Composite/Analog	I ² S HDMI Composite/Analog	I ² S 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	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	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 I ² C SPI I ² S 1-Wire	17 x GPIO UART I°C SPI I°S 1-Wire 3.3V/5V/GND	17 x GPIO UART I ² C SPI I ² S 1-Wire 3.3V/5V/GND	17 x GPIO UART I ² C SPI I ² S 1-Wire 3.3V/5V/GND	17 x GPIO UART I*C SPI I*S 1-Wire 3.3V/5V/GND	17 x GPIO UART I ² C SPI I ² S 1-Wire 3.3V/5V/GND	8 x GPIO UART I ² C SPI I ² S 1-Wire 3.3V/5V/GND	17 x GPIO UART I ² C SPI I ² S 1-Wire 3.3V/5V/GND EEPROM	17 x GPIO UART I ² C SPI I ² S 1-Wire 3.3V/5V/GND EEPROM	17 x GPIO UART I ² C SPI I ² S 1-Wire 3.3V/5V/GND EEPROM	17 x GPIO UART I ² C SPI I ² S 1-Wire 3.3V/5V/GND EEPROM	17 x GPIO UART I*C SPI I*S 1-Wire 3.3V/5V/GND EEPROM	46 x GPIO UART I ² C SPI I ² S I-Wire 3.3V/5V/GND EEPROM	46 x GPIO UART I ² C SPI I ² S I-Wire 3.3V/5V/GND EEPROM	46 x GPIO UART I ² C SPI I ² S I-Wire 3.3V/5V/GND EEPROM
	3.3V/5V/GND	EEPROM	EEPROM	EEPROM	EEPROM	EEPROM	0.5 7/5 7/514D	DDI ITOM					ELI ROW	LLFITOW	
Memory							SD	Micro SD	Micro SD	MicroSD	MicroSD	MicroSD	4GB On Board eMMC		No
Memory HAT Compliant POE (Power over Ethernet)	3.3V/5V/GND	EEPROM	EEPROM	EEPROM	EEPROM	EEPROM		Micro SD Yes No	Micro SD Yes No	MicroSD Yes (pHAT) No	MicroSD Yes (pHAT) No	MicroSD Yes (pHAT) No			No NA NA
HAT Compliant	3.3V/5V/GND SD No	EEPROM MicroSD Yes	EEPROM MicroSD Yes	EEPROM Micro SD Yes	EEPROM MicroSD Yes	EEPROM MicroSD Yes	SD No	Micro SD Yes	Yes	Yes (pHAT)	Yes (pHAT)	Yes (pHAT)	4GB On Board eMMC	4GB On Board eMMC	NA
HAT Compliant POE (Power over Ethernet) Length (mm) Width (mm)	3.3V/5V/GND SD No No 85.6 56.5	EEPROM MicroSD Yes No 85.6 56.5	EEPROM MicroSD Yes No 85.6 56.5	EEPROM Micro SD Yes No 85.6 56.5	EEPROM MicroSD Yes No 85.6 56.5	EEPROM MicroSD Yes Yes S5.6 56.5	SD No No 85.6 56.5	Micro SD Yes No Dimensions 65.0 56.5	Yes No 65.0 56.0	Yes (pHAT) No 65.0 30.0	Yes (pHAT) No 65.0 30.0	Yes (pHAT) No 65.0 30.0	4GB On Board eMMC NA NA 67.6 30.0	4GB On Board eMMC NA NA 67.6 31.0	NA NA 67.6 31.0
HAT Compliant POE (Power over Ethernet) Length (mm) Width (mm) Depth Inc. Connectors(mm)	3.3V/5V/GND SD No No 85.6 56.5 17.0	EEPROM MicroSD Yes No 85.6 56.5	EEPROM MicroSD Yes No 85.6 56.5	EEPROM Micro SD Yes No 85.6 56.5 17.0	EEPROM MicroSD Yes No 85.6 56.5	EEPROM MicroSD Yes Yes 85.6 56.5	SD No No 85.6 56.5	Micro SD Yes No Dimensions 65.0 56.5	Yes No 65.0 56.0 8.5	Yes (pHAT) No 65.0 30.0 5.0	Yes (pHAT) No 65.0 30.0 5.0	Yes (pHAT) No 65.0 30.0 5.0	4GB On Board eMMC NA NA 67.6 30.0 5.0	4GB On Board eMMC NA NA 67.6 31.0 5.0	NA NA 67.6 31.0 5.0
HAT Compliant POE (Power over Ethernet) Length (mm) Width (mm) Depth Inc. Connectors(mm) Weight (g)	3.3V/5V/GND SD No No 85.6 56.5	EEPROM MicroSD Yes No 85.6 56.5	EEPROM MicroSD Yes No 85.6 56.5	EEPROM Micro SD Yes No 85.6 56.5	EEPROM MicroSD Yes No 85.6 56.5	EEPROM MicroSD Yes Yes S5.6 56.5	SD No No 85.6 56.5	Micro SD Yes No Dimensions 65.0 56.5	Yes No 65.0 56.0	Yes (pHAT) No 65.0 30.0	Yes (pHAT) No 65.0 30.0	Yes (pHAT) No 65.0 30.0	4GB On Board eMMC NA NA 67.6 30.0	4GB On Board eMMC NA NA 67.6 31.0	NA NA 67.6 31.0
HAT Compliant POE (Power over Ethernet) Length (mm) Width (mm) Depth Inc. Connectors(mm)	3.3V/5V/GND SD No No 85.6 56.5 17.0	EEPROM MicroSD Yes No 85.6 56.5	EEPROM MicroSD Yes No 85.6 56.5	EEPROM Micro SD Yes No 85.6 56.5 17.0	EEPROM MicroSD Yes No 85.6 56.5	EEPROM MicroSD Yes Yes 85.6 56.5	SD No No 85.6 56.5	Micro SD Yes No Dimensions 65.0 56.5 10.0 23.0	Yes No 65.0 56.0 8.5	Yes (pHAT) No 65.0 30.0 5.0	Yes (pHAT) No 65.0 30.0 5.0	Yes (pHAT) No 65.0 30.0 5.0	4GB On Board eMMC NA NA 67.6 30.0 5.0	4GB On Board eMMC NA NA 67.6 31.0 5.0	NA NA 67.6 31.0 5.0