

Raspberry Pi Model A+, A, B+, B, Compute Module Dev Kit Comparison Chart

	Raspberry Pi Model B+ Buy Now Buy Now	Raspberry Pi Model B Buy Now Buy Now	Raspberry Pi Model A Buy Now Buy Now	Raspberry Pi Model A+ Buy Now Buy Now	Raspberry Pi Compute Module Dev Kit Buy Now Buy Now
Dimensions	85mm x 56mm	85mm x 56mm	85mm x 56mm	65mm x 56mm	Module: 65mm x 30mm IOBoard: 105mm x 85mm
Chip	Broadcom BCM2835 SoC full HD multimedia applications processor	Broadcom BCM2835 SoC full HD multimedia applications processor	Broadcom BCM2835 SoC full HD multimedia applications processor	Broadcom BCM2835 SoC full HD multimedia applications processor	Broadcom BCM2835 SoC full HD multimedia applications processor
CPU	700 MHz Low Power ARM1176JZ-F Applications Processor	700 MHz Low Power ARM1176JZ-F Applications Processor	700 MHz Low Power ARM1176JZ-F Applications Processor	700 MHz Low Power ARM1176JZ-F Applications Processor	700 MHz Low Power ARM1176JZ-F Applications Processor
GPU	Dual Core VideoCore IV® Multimedia Co-Processor	Dual Core VideoCore IV® Multimedia Co-Processor	Dual Core VideoCore IV® Multimedia Co-Processor	Dual Core VideoCore IV® Multimedia Co-Processor	Dual Core VideoCore IV® Multimedia Co-Processor
RAM	512 MB SDRAM @ 400 MHz	512 MB SDRAM @ 400 MHz	256 MB SDRAM @ 400 MHz	256 MB SDRAM @ 400 MHz	512 MB SDRAM @ 400 MHz
Storage	MicroSD	SDCard	SDCard	MicroSD	4GB eMMC
USB 2.0	4x USB Ports	2x USB Ports	1x USB Port	1x USB Port	1x USB Ports
Ethernet	1x 10/100mb Ethernet RJ45 Jack	1x 10/100mb Ethernet RJ45 Jack	None	None	None
Video Connections	HDMI, Composite RCA (shared with audio jack)	HDMI, Composite RCA	HDMI, Composite RCA	HDMI, Composite RCA (shared with audio jack)	HDMI
Supported Resolutions	640x350 to 1920x1200, including 1080p,	640x350 to 1920x1200, including 1080p,	640x350 to 1920x1200, including 1080p,	640x350 to 1920x1200, including 1080p,	640x350 to 1920x1200, including 1080p,

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	PAL & NTSC standards	PAL & NTSC standards	PAL & NTSC standards	PAL & NTSC standards	PAL & NTSC standards
Audio	Multi-Channel HD Audio over HDMI, Stereo from 3.5 mm jack	Multi-Channel HD Audio over HDMI, Stereo from 3.5 mm jack	Multi-Channel HD Audio over HDMI, Stereo from 3.5 mm jack	Multi-Channel HD Audio over HDMI, Stereo from 3.5 mm jack	Multi-Channel HD Audio over HDMI
Operating Systems	Raspbian, RaspBMC, Arch Linux, Risc OS, OpenELEC, Pidora	Raspbian, RaspBMC, Arch Linux, Risc OS, OpenELEC, Pidora	Raspbian, RaspBMC, Arch Linux, Risc OS, OpenELEC, Pidora	Raspbian, RaspBMC, Arch Linux, Risc OS, OpenELEC, Pidora	Raspbian, RaspBMC, Arch Linux, Risc OS, OpenELEC, Pidora
Power Draw / voltage	600mA up to 1.8A @ 5V	750mA up to 1.2A @ 5V	600mA up to 1.2A @ 5V	600mA up to 1.8A @ 5V	600mA up to 1.2A @ 5V
GPIO	40	26	26	40	120
Other Connectivity	1x CSI-2 for Raspberry Pi camera modules 1x DSI for Raspberry Pi displays	1x CSI-2 for Raspberry Pi camera modules 1x DSI for Raspberry Pi displays	1x CSI-2 for Raspberry Pi camera modules 1x DSI for Raspberry Pi displays	1x CSI-2 for Raspberry Pi camera modules 1x DSI for Raspberry Pi displays	1x Micro-USB (Programming Only) 2x mini CSI-2 for connecting Camera adapters 2x mini DSI for connecting Display adapters
Power Source	1x Micro-USB	1x Micro-USB	1x Micro-USB	1x Micro-USB	1x Micro-USB
Highlights	<ul style="list-style-type: none"> • Improved power management which improves USB support and allows for high-drain devices such as external USB hard drives. • Larger bank of accessible GPIO ports compared to Model B board allows for direct 	<ul style="list-style-type: none"> • Works well as an introductory educational tool • Suitable for a smaller scale electronics project that requires standard IO ports • Enhances projects with the addition of ethernet connectivity 	<ul style="list-style-type: none"> • Works well as an introductory educational tool • Suitable for a smaller scale electronics project that requires standard IO ports • HAT Compatible 	<ul style="list-style-type: none"> • Works well as an introductory educational tool • Suitable for a smaller scale electronics project that requires standard IO ports • Minimalistic design assists in pick and choosing devices, helps reduce 	<ul style="list-style-type: none"> • Large bank of accessible GPIO to communicate with devices and the Raspberry Pi • Input and output to/from visual capture devices and displays easily broken out into accessible ports. • IO Board allows for prototyping of a circuit which the

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	hardware device control. <ul style="list-style-type: none">• Smaller, compact design		overall power consumption <ul style="list-style-type: none">• HAT Compatible	module can then integrate into. <ul style="list-style-type: none">• Onboard flash allows for fast execution of code without relying on SDCards
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