

Model	Raspberry Pi 3 model B+	Raspberry Pi 4 model B	Raspberry Pi 5
Edition	3 - 2018	6 - 2019	9 - 2023
TECHNICAL SPECIFICATIONS			
Processor chipset	Broadcom BCM2837B0 64-bit	Broadcom BCM2711 64-bit	Broadcom BCM2712 64-bit
Core	Quad-Core ARM Cortex-A53	Quad-Core ARM Cortex-A72	Quad-Core ARM Cortex-A76
Operating Systems	Raspberry Pi OS Windows 10 IoT	Raspberry Pi OS Windows 10 IoT	Raspberry Pi OS
Timing	1.4GHz	1.5 GHz	2.4GHz
Architecture	ARMv8-A	ARMv8-A	ARMv8-A
RAM	1GB LPDDR2 @ 900MHz	Several versions <ul style="list-style-type: none"> • 1GB LPDDR4 • 2GB LPDDR4 • 4GB LPDDR4 • 8GB LPDDR4 	Several versions <ul style="list-style-type: none"> • 1GB LPDDR4 • 2GB LPDDR4 • 4GB LPDDR4 • 8GB LPDDR4
Memory	microSD card	microSD card	microSD card
GPIO socket	40-pin connector (2x20 pin) 2.54 mm raster	40-pin connector (2x20 pin) 2.54 mm raster	40-pin connector (2x20 pin) 2.54 mm raster
Power supply	<ul style="list-style-type: none"> • 5.0V/2.5A via microUSB • 5V via GPIO • PoE using additional overlay 	<ul style="list-style-type: none"> • 5.0V/3A via USB C • 5V via GPIO • PoE using additional overlay 	<ul style="list-style-type: none"> • 5.0V/5A via USB C • 5V via GPIO • PoE using additional overlay
Plate dimensions	85 x 56 x 17 mm	85 x 56 x 17 mm	85 x 56 x 17 mm
INTERFACES			
USB interface	4x USB 2.0 - type A socket	2x USB 2.0 - type A socket 2x USB 3.0 - type A socket	2x USB 2.0 - type A socket 2x USB 3.0 - type A socket
Network interface	300 Mbps Ethernet port	Ethernet port 100/1000 Mbps	Ethernet port 100/1000 Mbps
WiFi interface	Dual Band 2.4 GHz and 5 GHz 802.11 b/g/n/ac	Dual Band 2.4 GHz and 5 GHz 802.11 b/g/n/ac	Dual Band 2.4 GHz and 5 GHz 802.11 b/g/n/ac
Bluetooth	Low Energy, BLE 4.2	Low Energy, BLE 5	Low Energy, BLE 5
Camera	CSI socket	CSI socket	2x 4-line MIPI CSI/DSI slot
Touch display	DSI socket	DSI socket	2x 4-line MIPI CSI/DSI slot
Video	HDMI HD 1080px / 30 fps H.264 1080p30 OpenGL ES 1.1, 2.0	2 x microHDMI H.265 4K 60 fps H.264 1080p 30 fps OpenGL ES 1.1, 2.0, 3.0	2 x microHDMI H.265 4K 60 fps H.264 1080p 30 fps OpenGL ES 1.1, 2.0, 3.0
Communication	UART, SPI, I2C, GPIO	UART, SPI, I2C, GPIO	UART, SPI, I2C, GPIO