



Raspberry Pi 3B+ vs. 3B Comparison

Raspberry Pi Model	3B+	3B
SoC	Broadcom BCM2837B0	Broadcom BCM2837B0
CPU	X.X GHz 64bit quadcore ARM CortexA53	1.2 GHz 64bit quadcore ARM CortexA53
GPU	4 (via the onboard 5port USB hub)	4 (via the onboard 5port USB hub)
Memory (SDRAM)	1 GB (shared with GPU)	1 GB (shared with GPU)
USB 2.0 Ports	4 (via the onboard 5port USB hub)	4 (via the onboard Sport USB hub)
Video Inputs	15pin MIPI camera interface (CSI) connector, used with the Raspberry Pi camera or Raspberry Pi NoIR camera	15pin MIPI camera interface (CSI) connector, used with the Raspberry Pi camera or Raspberry Pi NoIR camera
Video Outputs	HDMI, composite video (3.5 mm TRRS jack), MIPI display interface (DSI) for raw LCD panels	HDMI, composite video (3.5 mm TRRS jack), MIPI display interface (DSI) for raw LCD panels
Audio Inputs	MicroSDHC slot, USB Boot Mode	MicroSDHC slot, USB Boot Mode
Audio Outputs	Analog via 3.5 mm phone jack; digital via HDMI and, as of revision 2 boards, I ² S	Analog via 3.5 mm phone jack; digital via HDMI and, as of revision 2 boards, I ² S
Onboard storage	MicroSDHC slot, USB Boot Mode	MicroSDHC slot, USB Boot Mode
Onboard network	Gigabit Ethernet over USB 2.0, 802.11AC wireless, Bluetooth 4.2, BLE Power over Ethernet (PoE) enabled via additional HAT	10/100 Mbit/s Ethernet, 802.11n wireless, Bluetooth 4.1
Low level peripherals	Extended 40 pin GPIO Header	Extended 40 pin GPIO Header
Power ratings	TBC	300 mA (1.5 W) average when idle, 1.34 A (6.7 W) maximum under stress (monitor, keyboard, mouse and WiFi connected)
Power source	5.1 V via MicroUSB or GPIO header Power over Ethernet (PoE) enabled via additional HAT	5.1 V via MicroUSB or GPIO header
Size (mm)	85 x 56 x 17	85 x 56 x 17
Weight (g)	TBC	45