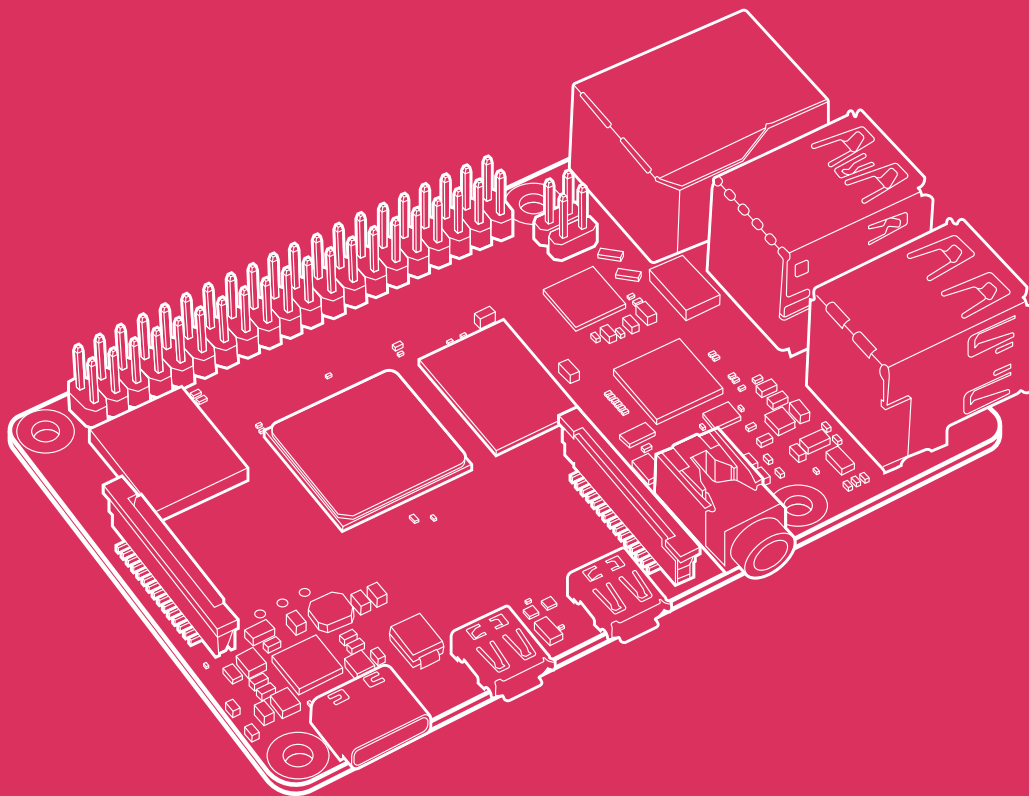




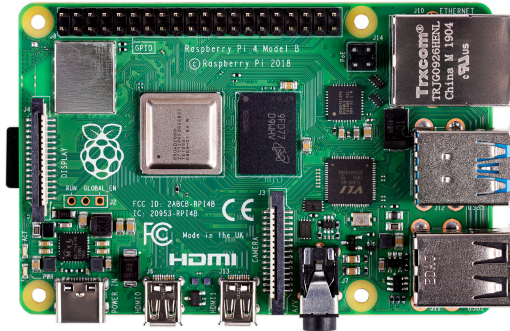
Raspberry Pi 4 Model B

Published October 2026



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Overview



Raspberry Pi 4 Model B features a high-performance 64-bit quad-core processor, dual-display support at resolutions up to 4K via a pair of micro HDMI® ports, hardware video decode at up to 4Kp60, up to 8GB of RAM, dual-band 2.4/5.0 GHz wireless LAN, Bluetooth 5.0, Gigabit Ethernet, USB 3.0, and PoE capability (via a separate PoE HAT add-on). For the end user, Raspberry Pi 4 Model B provides desktop performance comparable to entry-level x86 PC systems.

This product retains backwards compatibility with the prior-generation Raspberry Pi 3 Model B+ and has similar power consumption, while offering substantial increases in processor speed, multimedia performance, memory, and connectivity.

The dual-band wireless LAN and Bluetooth have modular compliance certification, allowing the board to be designed into end products with significantly reduced compliance testing, improving both cost and time to market.

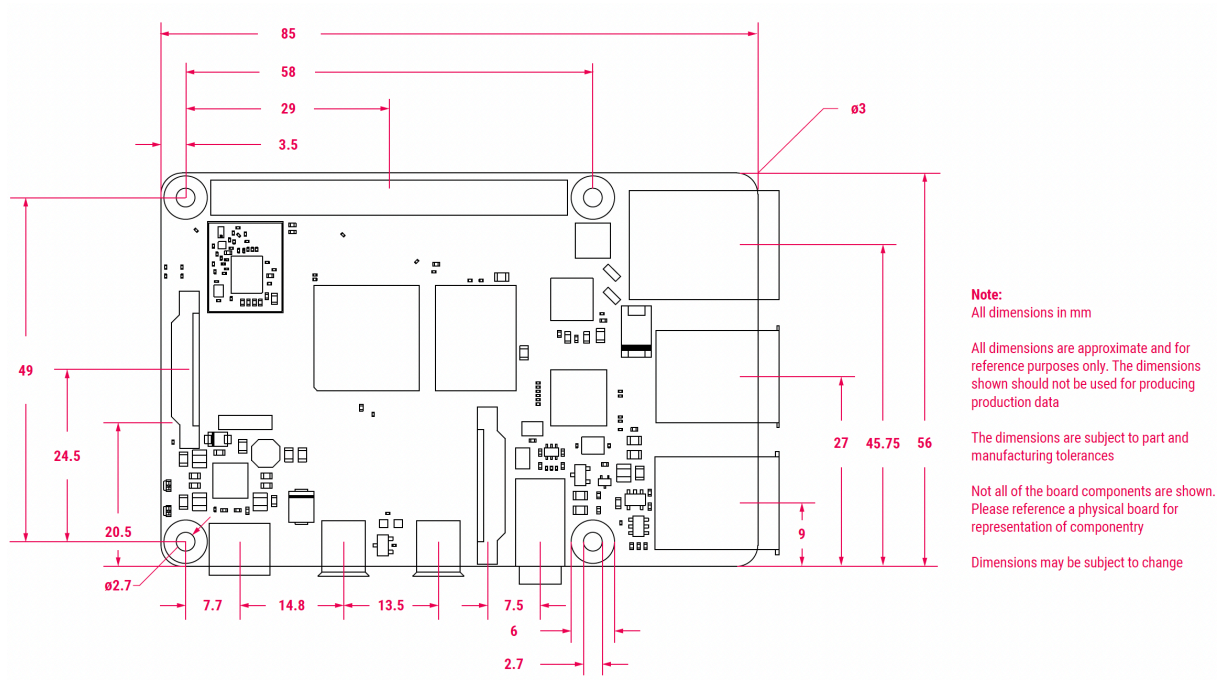
Specification

Processor	Broadcom BCM2711, quad-core Cortex-A72 (Arm v8) 64-bit SoC @ 1.8GHz										
Memory	1GB, 2GB, 3GB, 4GB or 8GB LPDDR4 (depending on model) with on-die ECC										
Connectivity	2.4 GHz and 5.0 GHz IEEE 802.11b/g/n/ac wireless LAN, Bluetooth 5.0, BLE Gigabit Ethernet 2 × USB 3.0 ports 2 × USB 2.0 ports										
GPIO	Standard 40-pin GPIO header (fully backwards-compatible)										
Video and sound	2 × micro HDMI ports (up to 4Kp60 supported) 2-lane MIPI DSI display port 2-lane MIPI CSI camera port 4-pole stereo audio and composite video port										
Multimedia	H.265 (4Kp60 decode); H.264 (1080p60 decode, 1080p30 encode) OpenGL ES, 3.0 graphics										
SD card	microSD card slot for loading operating system and data storage										
Input power	5V DC via USB-C connector (minimum 3A ¹) 5V DC via GPIO header (minimum 3A ¹) Power over Ethernet (PoE)–enabled (requires separate PoE HAT)										
Operating temperature	0°C to 50°C										
MTBF² Ground Benign	211 000 hours										
Production lifetime	Raspberry Pi 4 Model B will remain in production until at least January 2034										
Compliance	For a full list of local and regional product approvals, please visit pip.raspberrypi.com										
List price	<table><tr><td>1GB</td><td>\$35</td></tr><tr><td>2GB</td><td>\$67.50</td></tr><tr><td>3GB</td><td>\$83.75</td></tr><tr><td>4GB</td><td>\$100</td></tr><tr><td>8GB</td><td>\$165</td></tr></table>	1GB	\$35	2GB	\$67.50	3GB	\$83.75	4GB	\$100	8GB	\$165
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¹ A good-quality 2.5A power supply can be used if downstream USB peripherals consume less than 500mA in total.

² Mean Time Between Failure

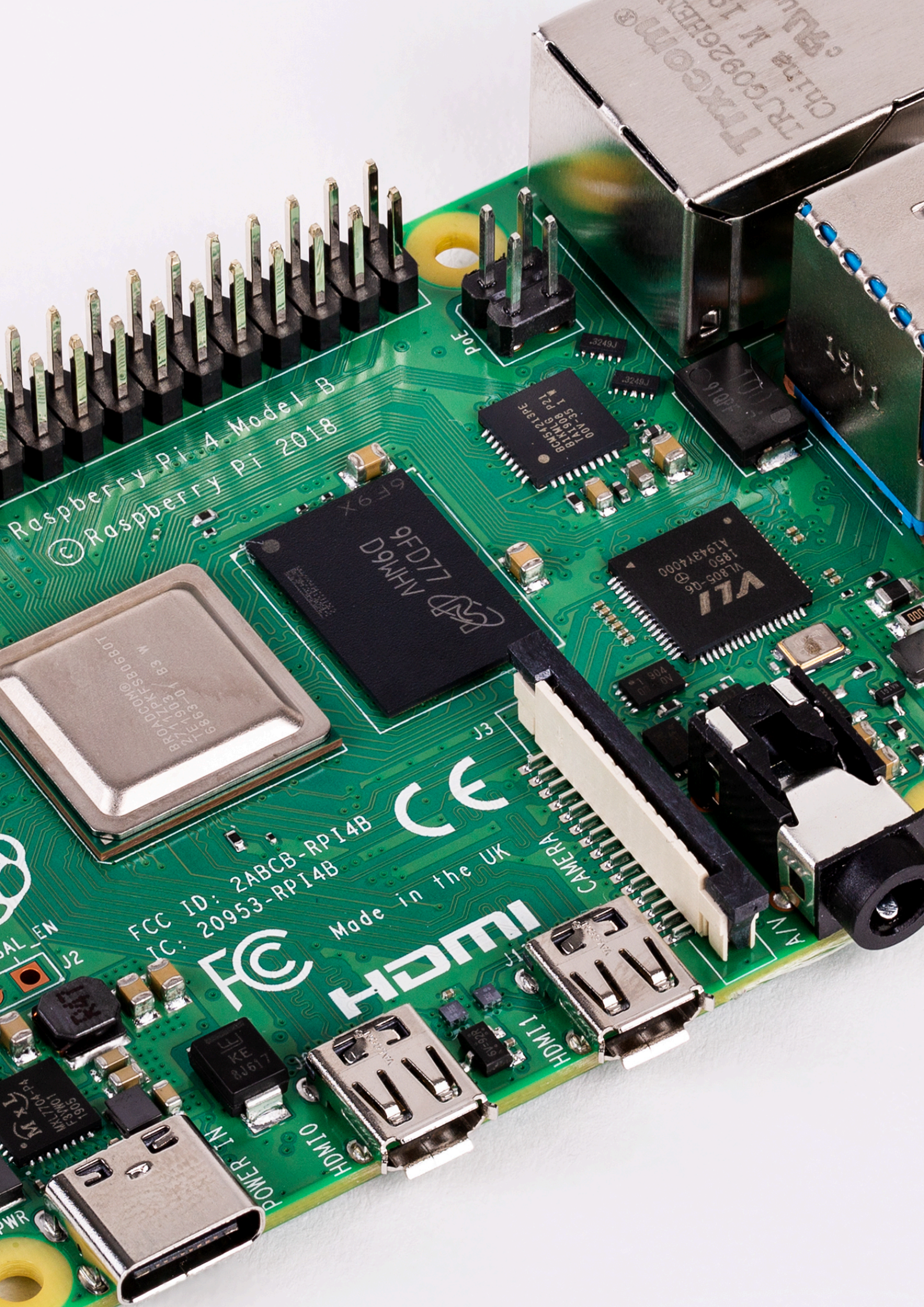
Physical specification



Safety warnings

To avoid malfunction or damage to this product, please observe the following:

- This product should only be connected to an external power supply rated at 5V/3A DC or 5.1V/3A DC minimum (see 'Specification'). Any external power supply used with Raspberry Pi 4 Model B shall comply with relevant regulations and standards applicable in the country of intended use.
- This product should be operated in a well ventilated environment, and if used inside a case, the case should not be covered.
- While in use, this product should be firmly secured or should be placed on a stable, flat, non-conductive surface, and should not be contacted by conductive items.
- The connection of incompatible devices to Raspberry Pi 4 Model B may affect compliance, result in damage to the unit, and invalidate the warranty.
- All peripherals used with this product should comply with relevant standards for the country of use and be marked accordingly to ensure that safety and performance requirements are met. These articles include but are not limited to keyboards, monitors, and mice when used in conjunction with Raspberry Pi.
- Where peripherals are connected that do not include the cable or connector, the cable or connector must offer adequate insulation and operation in order that the relevant performance and safety requirements are met.
- Do not expose to water or moisture, or place on a conductive surface while in operation.
- Do not expose to heat from any source; Raspberry Pi 4 Model B is designed for reliable operation at normal ambient room temperatures.
- Store in a cool, dry location.
- Take care while handling to avoid mechanical or electrical damage to the printed circuit board and connectors.
- While it is powered, avoid handling the printed circuit board, or handle it only by the edges, to minimise the risk of electrostatic discharge damage.





Raspberry Pi

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