

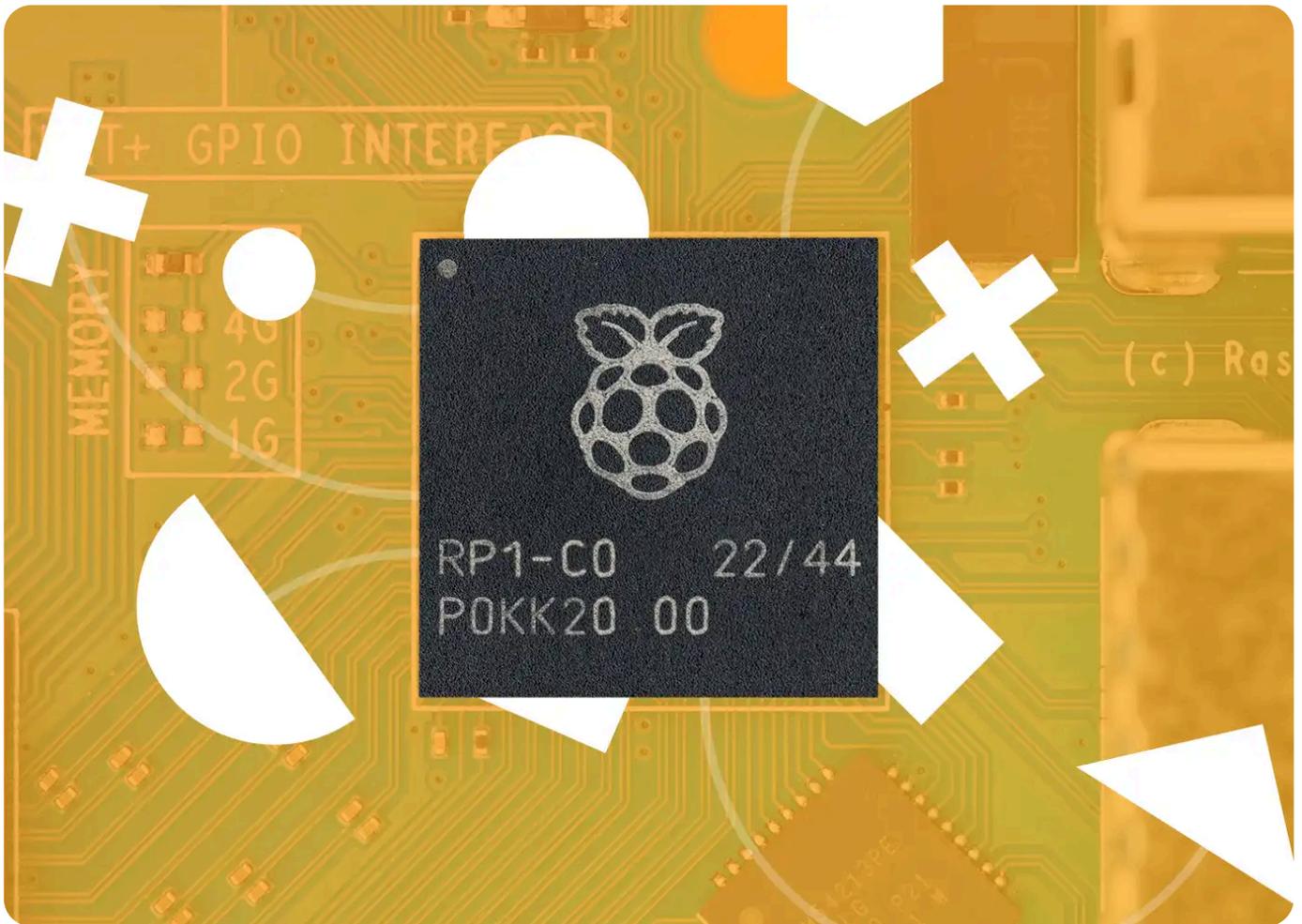
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Got it!



The everything computer.

With 2–3× the speed of the previous generation, and featuring silicon designed in-house for the best possible performance, we've redefined the Raspberry Pi experience.



RP1

Raspberry Pi 5 is built using the RP1 I/O controller, a package containing silicon designed in-house at Raspberry Pi.

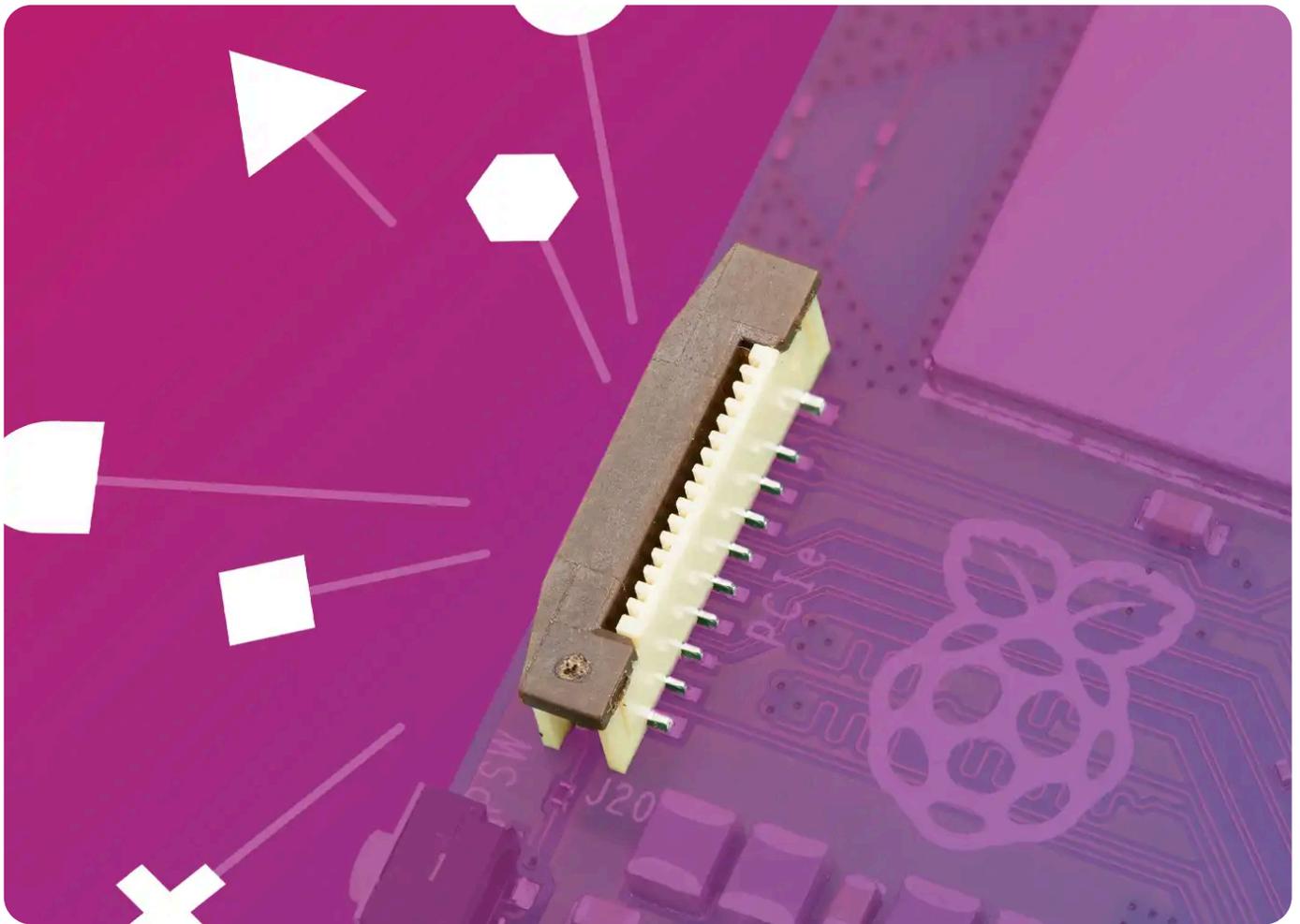
USB 3 has more total bandwidth, for much faster transfer speeds.

Camera and DSI display connectors are interchangeable, so you can have one of each, or two the same.



More than twice as fast and infinitely smoother

Raspberry Pi 5 features the Broadcom BCM2712 quad-core Arm Cortex A76 processor @ 2.4GHz, making it up to three times faster than the previous generation. With RAM variants up to 8GB, this is the fastest, smoothest Raspberry Pi experience yet.



All aboard the PCI express

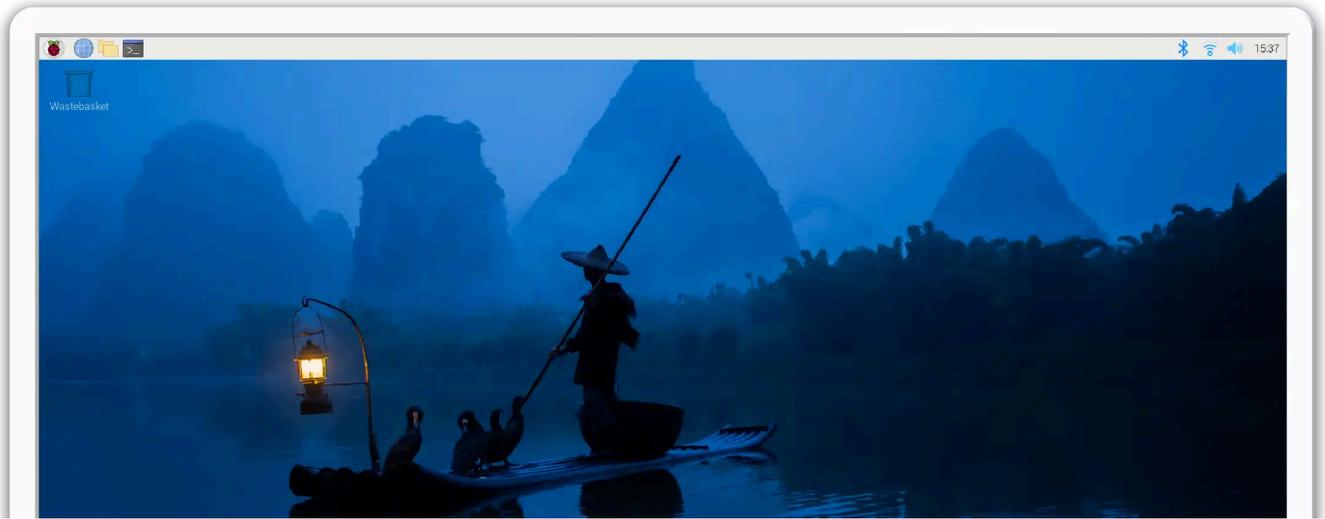
This addition to Raspberry Pi allows you to connect an M.2 SSD to your Raspberry Pi, giving you speedy data transfer and super-fast boot.

[Tech specs](#) [FAQs](#)

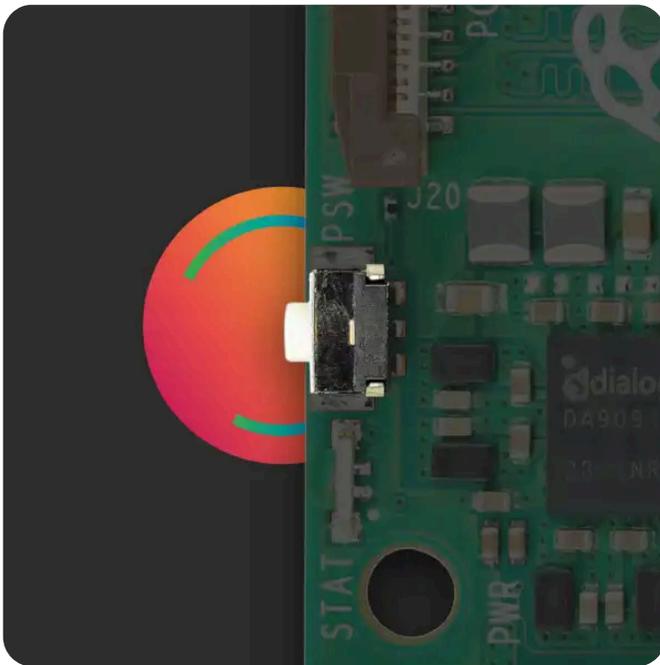
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Raspberry Pi OS

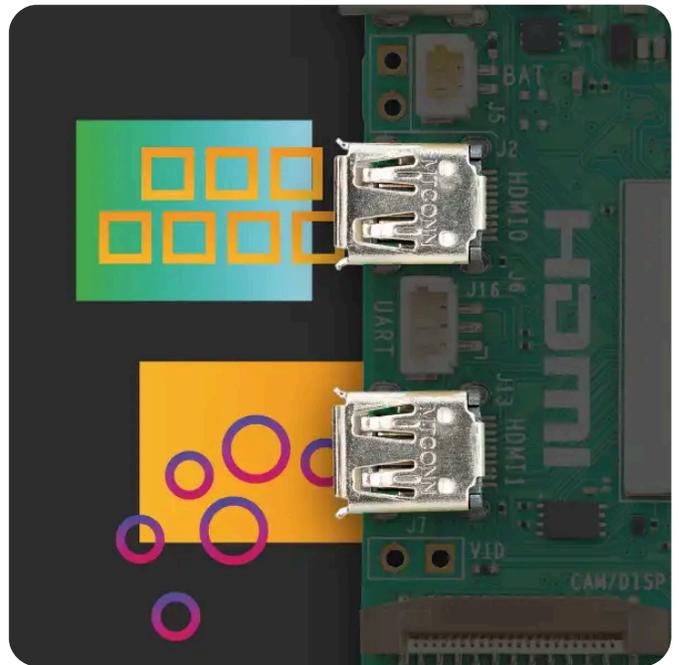
The latest release of Raspberry Pi OS is made to get the most from Raspberry Pi 5. The newest version of our operating system delivers a superb desktop performance, making it an ideal computer for work, leisure, enterprise, and more.



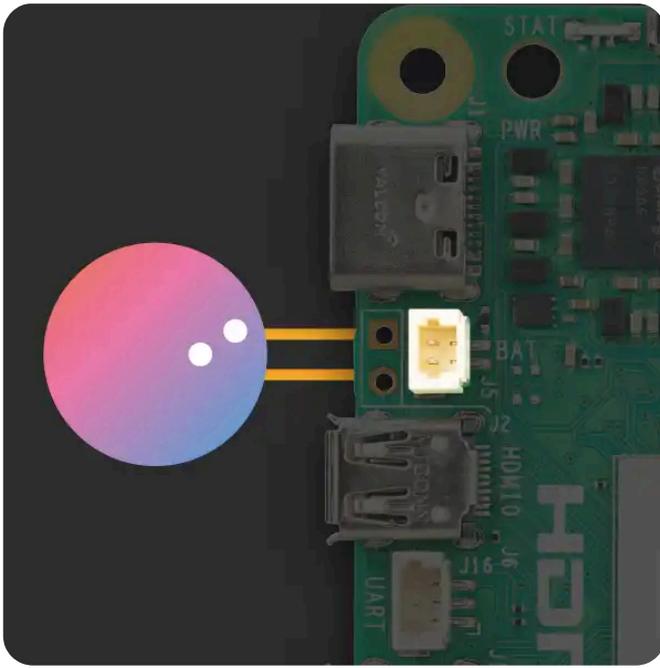
That's not all



Power button



Dual 4Kp60



Real-time clock



UART debug port

Accessories

Our official accessories for Raspberry Pi 5 are specially designed to help you get the best possible performance from your computer.



Raspberry Pi Case for Raspberry Pi 5

A clip-together case with a built-in fan. The new design provides full access to GPIO pins and allows for case stacking.

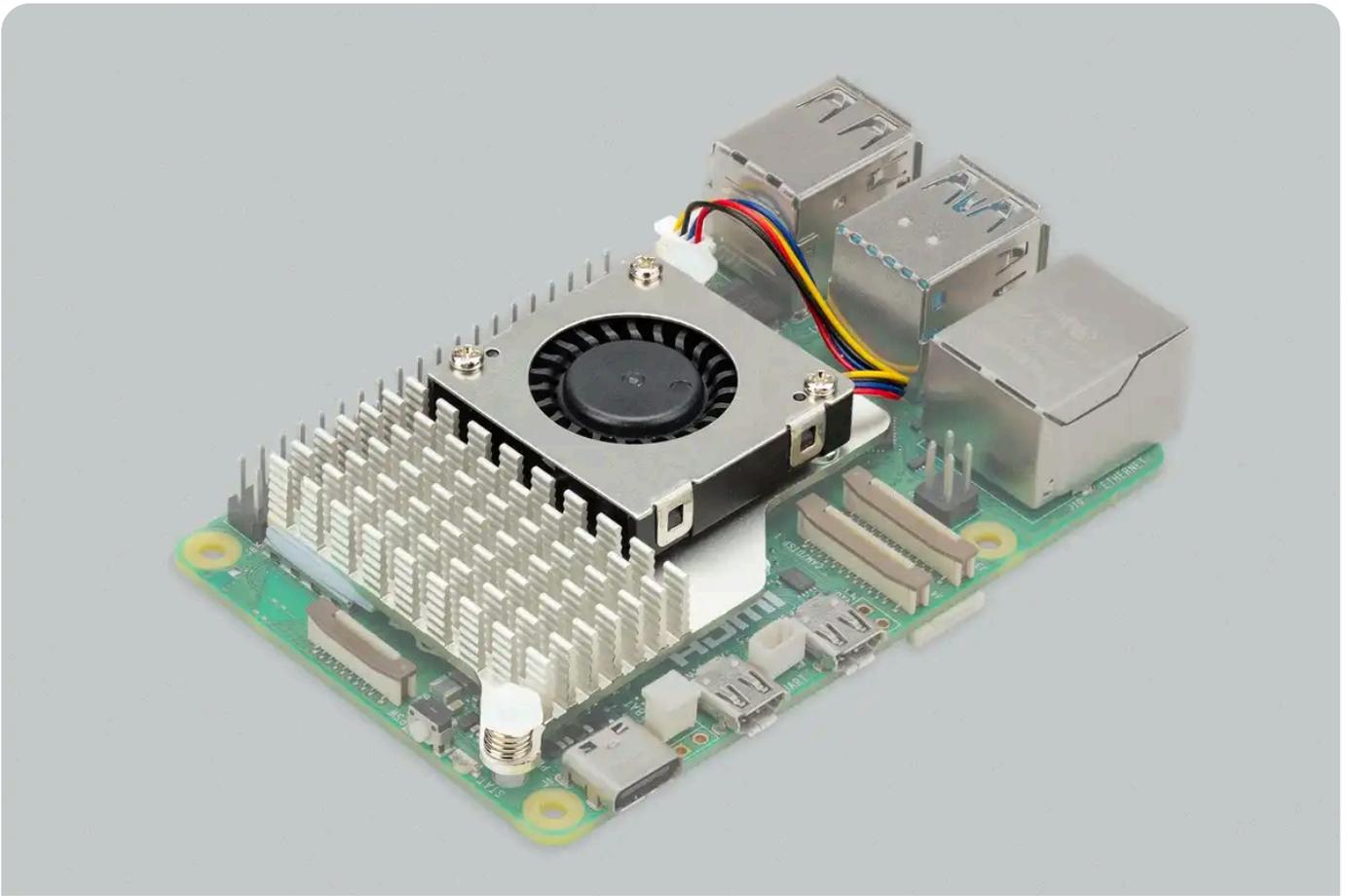
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Raspberry Pi 27W USB-C Power Supply

This robust, high-quality power supply delivers the power you need to keep your Raspberry Pi running at peak performance.

Buy now



Raspberry Pi Active Cooler

Using your Raspberry Pi 5 without a case and under heavy load? The Active Cooler makes sure it runs smoothly while working its hardest.

[Buy now](#)

Specification

- Broadcom BCM2712 2.4GHz quad-core 64-bit Arm Cortex-A76 CPU, with cryptography extensions, 512KB per-core L2 caches and a 2MB shared L3 cache
- VideoCore VII GPU, supporting OpenGL ES 3.1, Vulkan 1.2
- Dual 4Kp60 HDMI® display output with HDR support

- 4Kp60 HEVC decoder
- LPDDR4X-4267 SDRAM (4GB and 8GB SKUs available at launch)
- Dual-band 802.11ac Wi-Fi®
- Bluetooth 5.0 / Bluetooth Low Energy (BLE)
- microSD card slot, with support for high-speed SDR104 mode
- 2 × USB 3.0 ports, supporting simultaneous 5Gbps operation
- 2 × USB 2.0 ports
- Gigabit Ethernet, with PoE+ support (requires separate PoE+ HAT)
- 2 × 4-lane MIPI camera/display transceivers
- PCIe 2.0 x1 interface for fast peripherals (requires separate M.2 HAT or other adapter)
- 5V/5A DC power via USB-C, with Power Delivery support
- Raspberry Pi standard 40-pin header
- Real-time clock (RTC), powered from external battery
- Power button

Your questions answered

Will older versions of Raspberry Pi OS work with Raspberry Pi 5?

You will need the latest version of Raspberry Pi OS, [Bookworm](#), for your Raspberry Pi 5.

Will my Raspberry Pi 4 power supply work with Raspberry Pi 5?

Raspberry Pi 5 is a higher-performance computer than Raspberry Pi 4, and you may have problems using an under-powered supply. We recommend a high-quality 5V 5A USB-C power supply, such as the new Raspberry Pi 27W USB-C Power Supply.

Will my Raspberry Pi 5 fit my Raspberry Pi 4 case?

Raspberry Pi 5 won't fit the Raspberry Pi 4 Case. We recommend the Raspberry Pi Case for Raspberry Pi 5, designed to help you get the most out of our newest computer.

Does Raspberry Pi 5 need active cooling?

Raspberry Pi 5 is faster and more powerful than prior-generation Raspberry Pis, and like most general-purpose computers, it will perform best with active cooling. The Raspberry Pi Case for Raspberry Pi 5, with its integrated fan, is one way to provide this.

Documents

[Raspberry Pi 5 product brief](#)

[Raspberry Pi 5 mechanical drawing](#)

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