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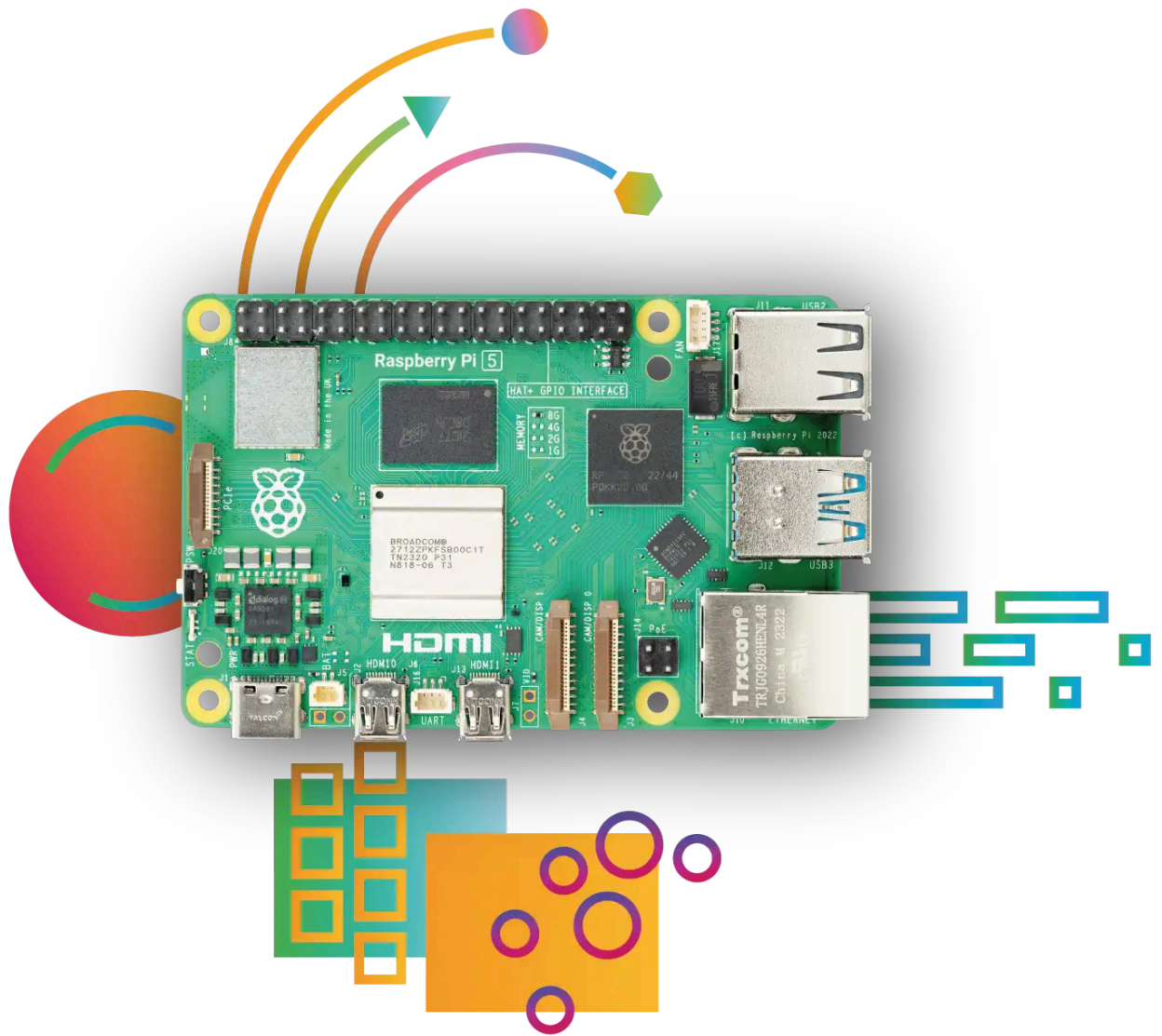


# Raspberry Pi

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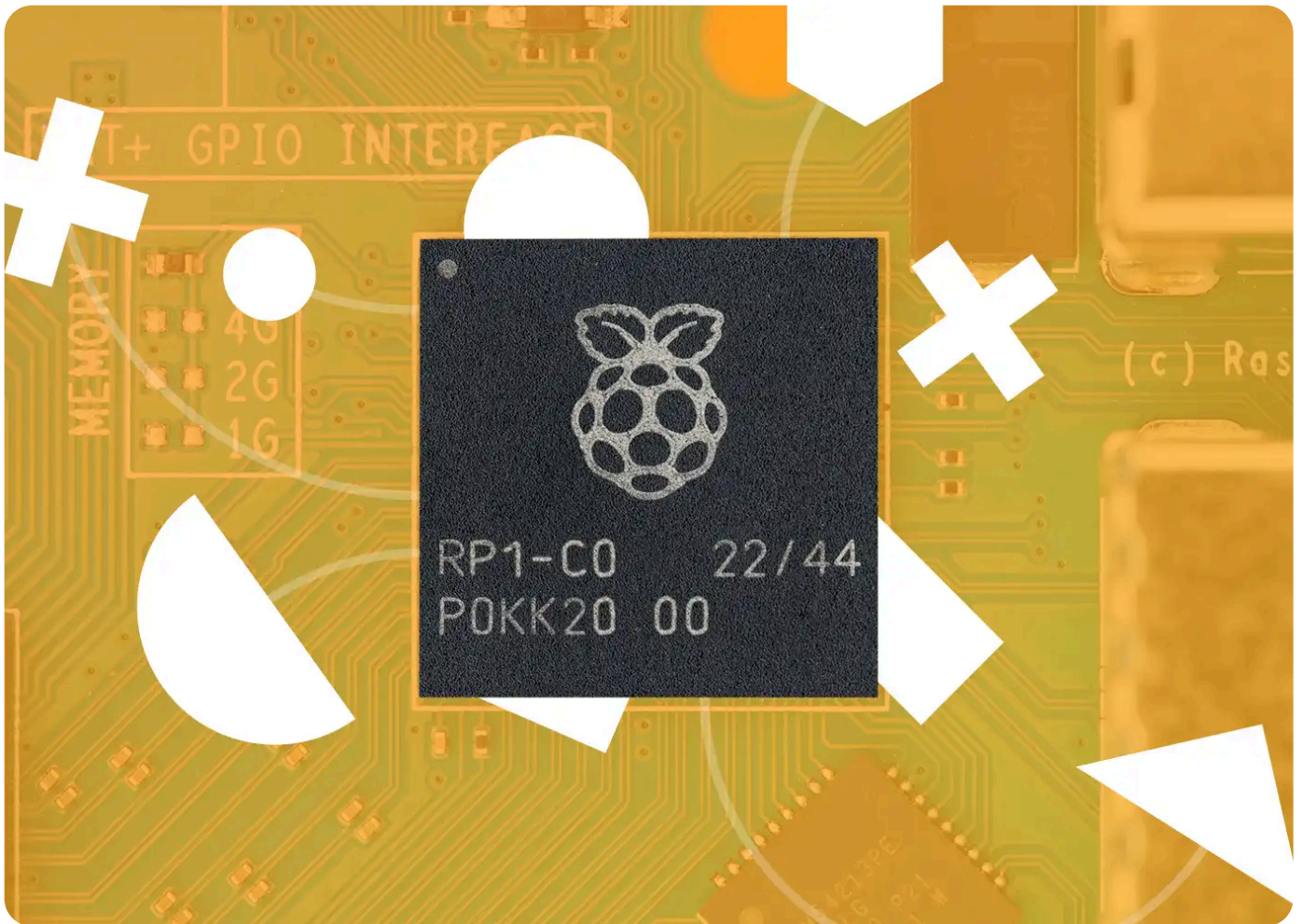
## The everything computer.

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.



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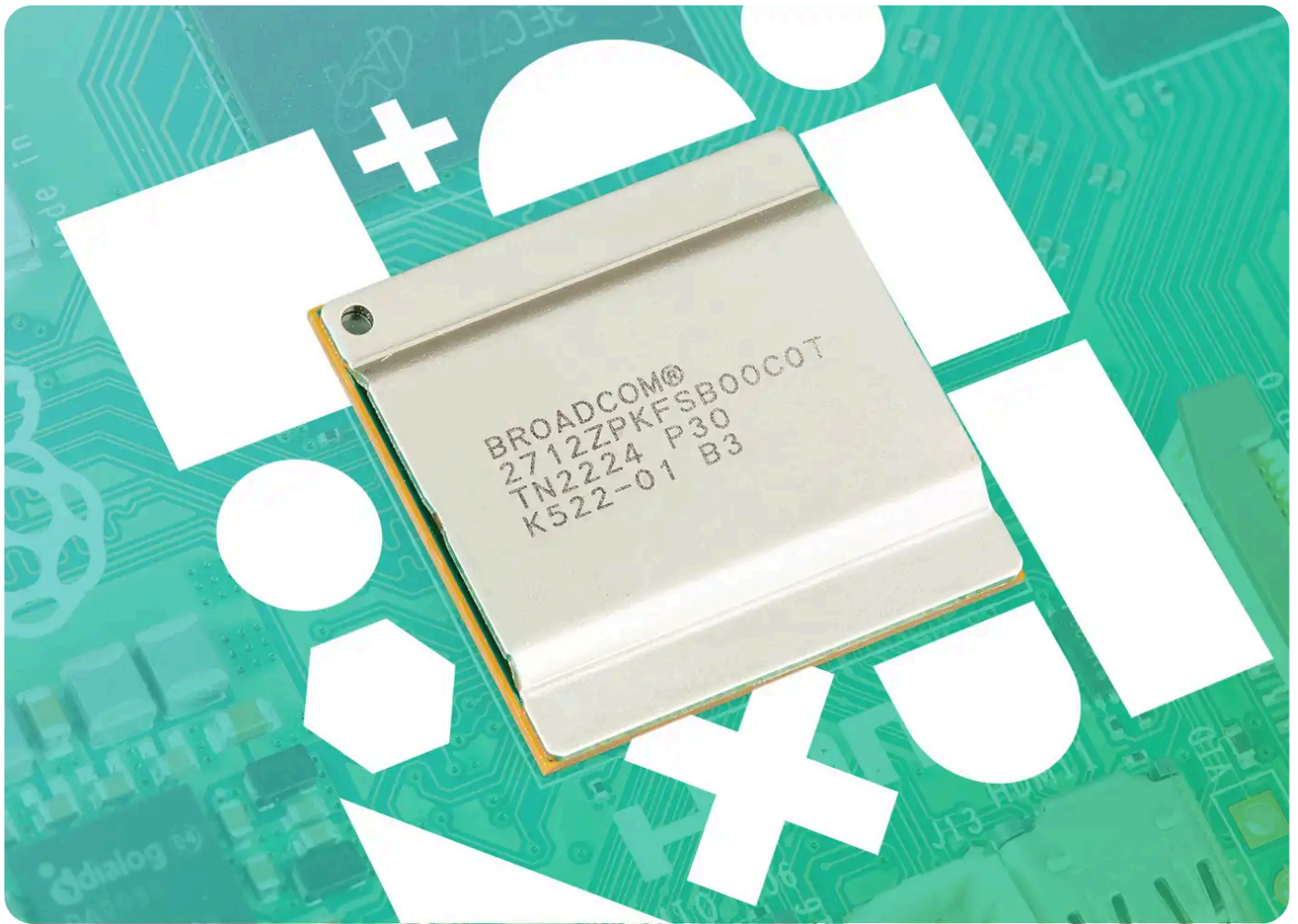


## RP1

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.

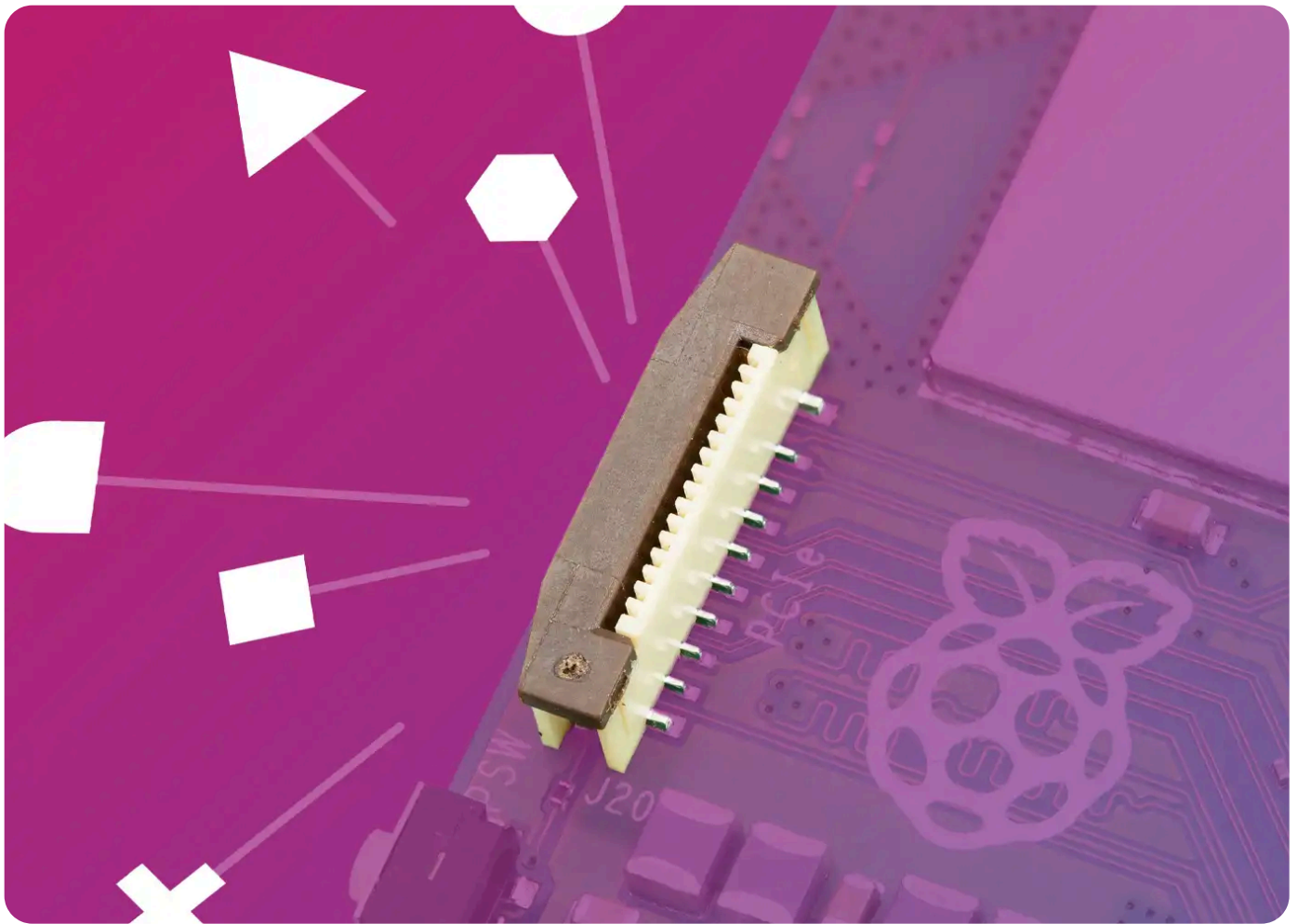
Camera and DSI display connectors are interchangeable, so you can have one of each, or two the same.



## **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.

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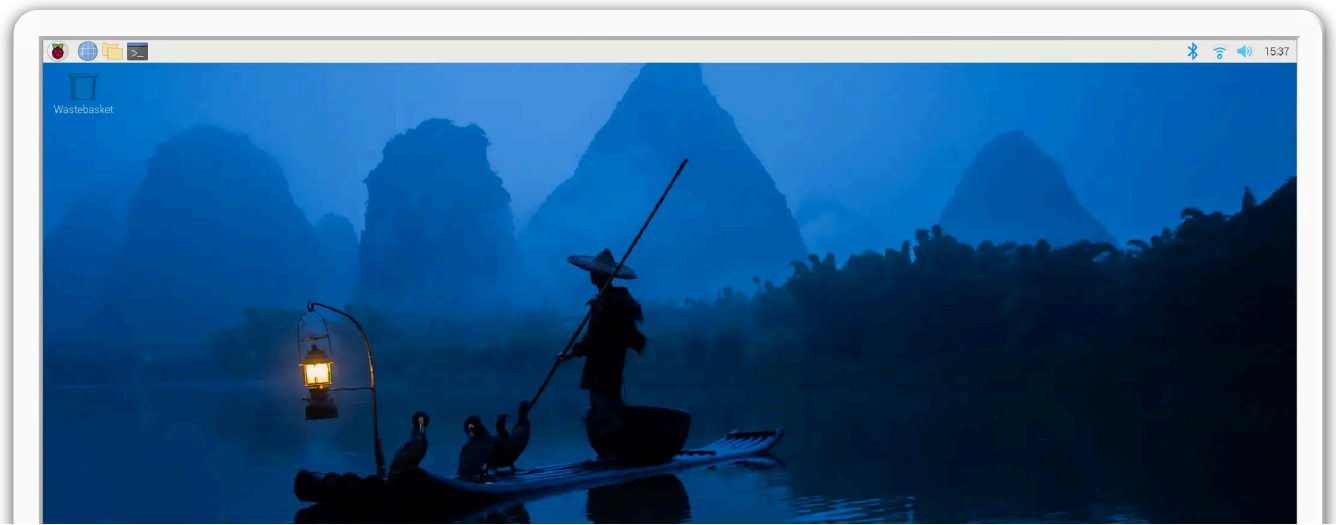
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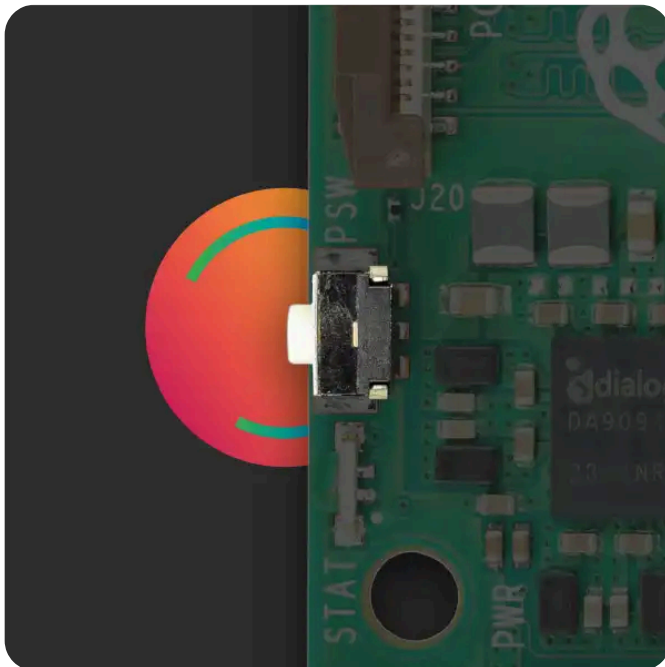
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## Raspberry Pi OS

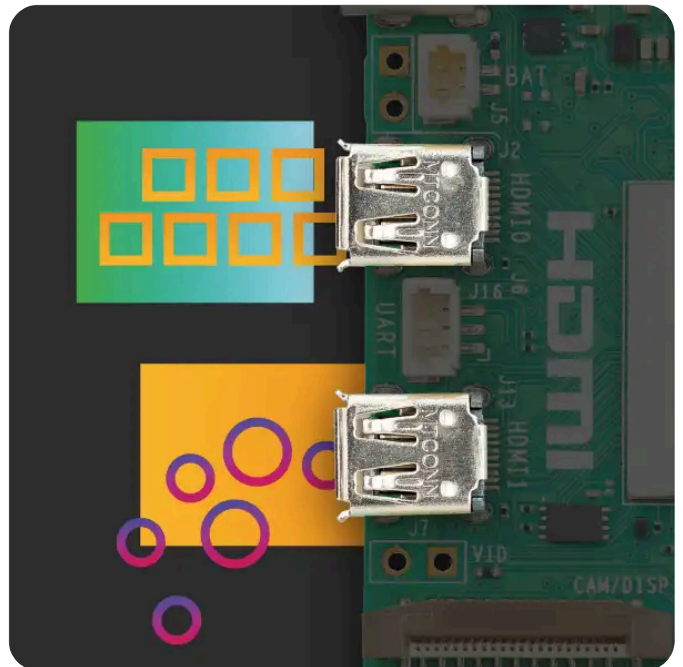
The latest release of Raspberry Pi OS is made to get the most from Raspberry Pi 5. The newest version of our operating system delivers a superb desktop performance, making it an ideal computer for work, leisure, enterprise, and more.



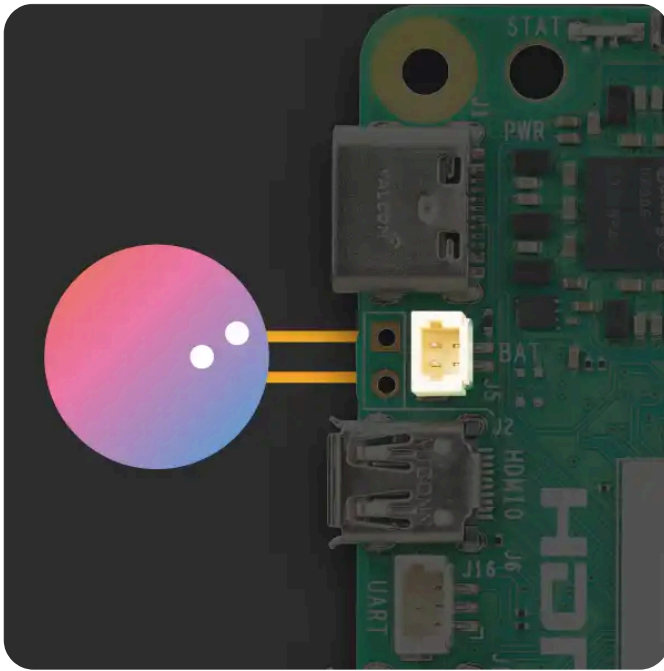
**That's not all**



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.

[Buy now](#)

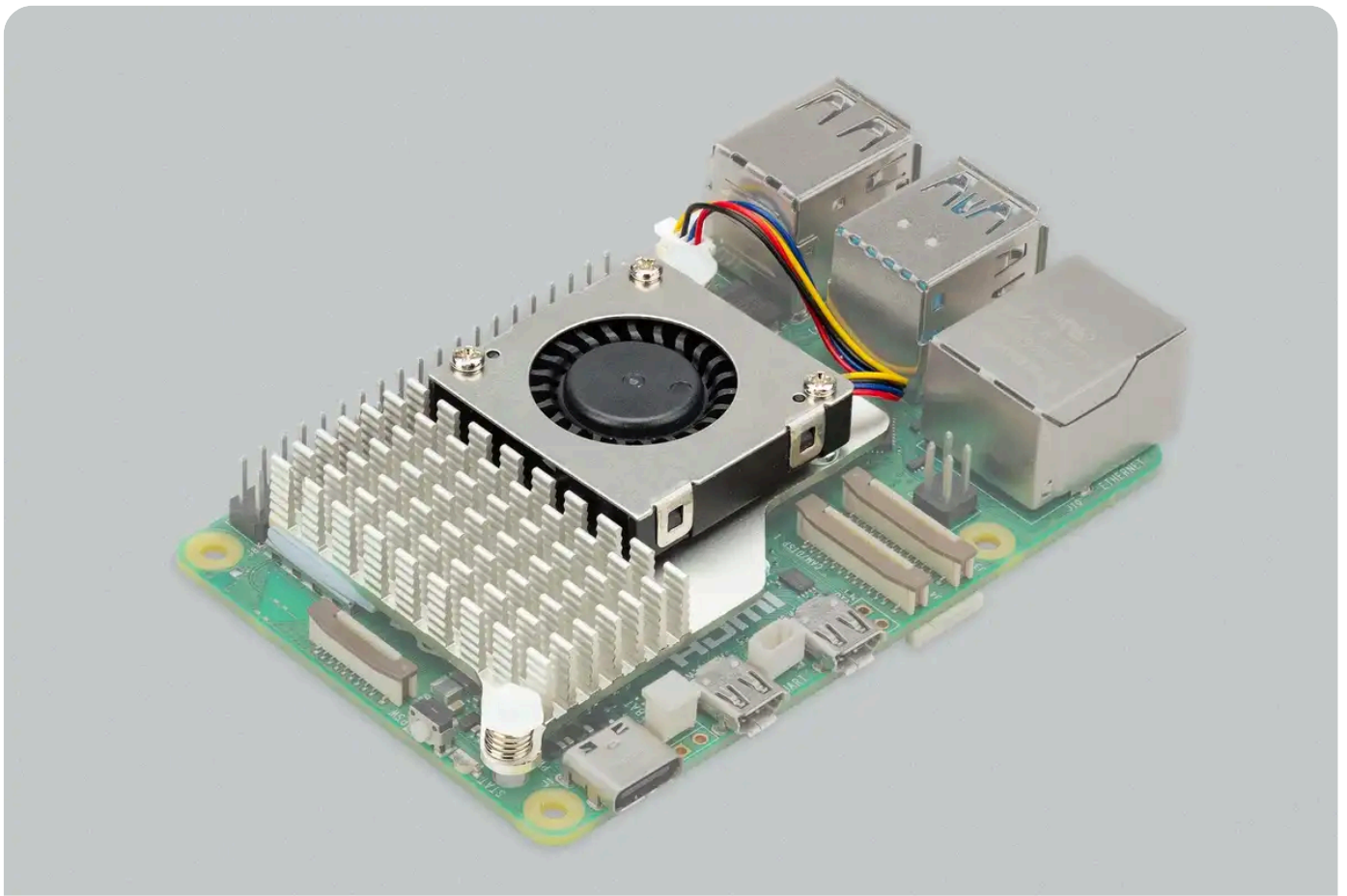




## Raspberry Pi 27W USB-C Power Supply

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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United States

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