RASPBERRY PI 3

Creating amazing projects is easy with a Raspberry Pi 3. It features a more powerful processor than the Pi Zero W, and comes with GPIO pins soldered to the board

The Raspberry Pi 3 is a wonderful microcomputer that brims with potential.

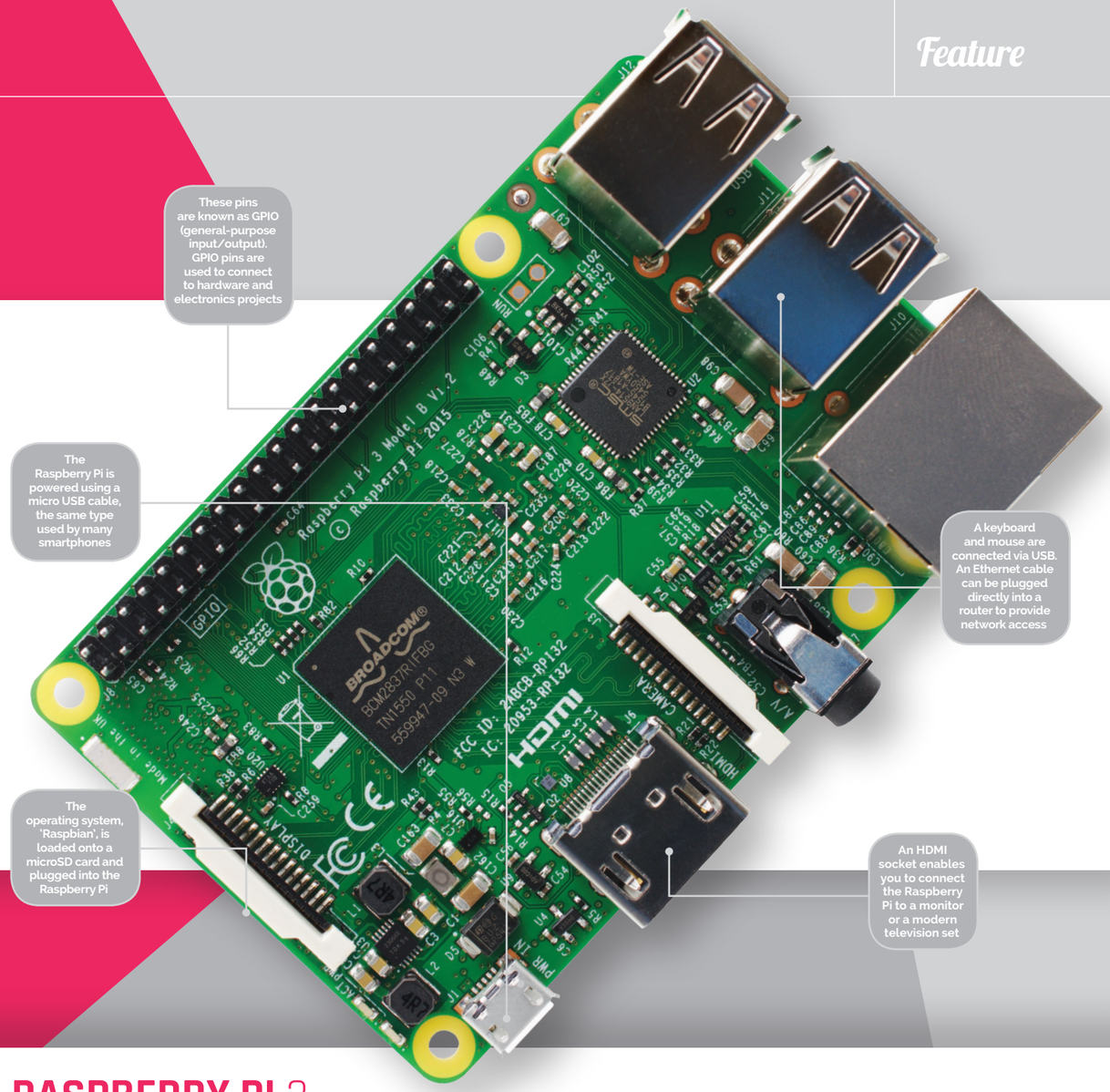
The Raspberry Pi 3 board is slightly larger than the free Pi Zero W included in your Starter Kit. It features a faster 1.2GHz ARM CPU, and slightly more RAM (1GB vs the 512MB in the Pi Zero W). It also has four standard USB ports, making it easier to connect USB devices, and an Ethernet socket. Last, but not least, it has the GPIO pins soldered to the board, for easy electronics.

However, with either a Raspberry Pi 3 or Pi Zero W you can build robots, learn to code, and create all kinds of weird and wonderful projects.

Hackers and enthusiasts have turned Raspberry Pi boards into fully automated weather stations, internet-connected beehives, motorised skateboards, and much more. The only limit is your imagination.

Creating projects with a Raspberry Pi is fun once you've mastered the basics.

So in the guide that follows, we're going to take you from newbie zero to Raspberry Pi hero. Grab your Pi Zero W and let's get started.



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The Raspberry Pi 3 is the latest model, and the version with the most features

SD card

On the underside of the Raspberry Pi 3 board is the SD card slot. You preload the operating system onto a microSD card and use it to boot up the Raspberry Pi.

Wireless network

The Pi 3 and Pi Zero W both feature built-in wireless LAN and Bluetooth. This enables you to connect to a wireless router and get online without using a WiFi dongle.

1.2GHz ARM CPU

Featuring the latest 1.2GHz quad-core ARM CPU (central processing unit), the Raspberry Pi 3 is faster than many smartphones, and powerful enough to be used as a desktop computer.

