



Internet Society
Panama Chapter

**INCLUSIÓN DIGITAL POR MEDIO DEL
USO DEL RASPBERRY PI – 2020**

Juan Carlos Paris Balleza

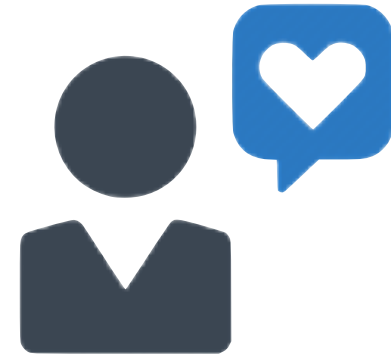
JUAN CARLOS PARIS BALLEZA

APASIONADO POR LA TECNOLOGÍA Y CIBERSEGURIDAD,
INNOVACIÓN Y SISTEMAS

COBIT / ITIL / COMPTIA – SECURITY(+)
PROFESSIONAL / DRI / MCSE +
SECURITY / CCNP



- Más de 25 años de experiencia en el sector financiero, banca y salud.
- Apasionado por la tecnología y ciberseguridad, innovación y sistemas.
- Coach Innovativo enfocado en la tecnología.



¿QUE ES LA INCLUSIÓN?



INTRODUCCIÓN

“Inclusión digital con un gran aliado el Raspberry”



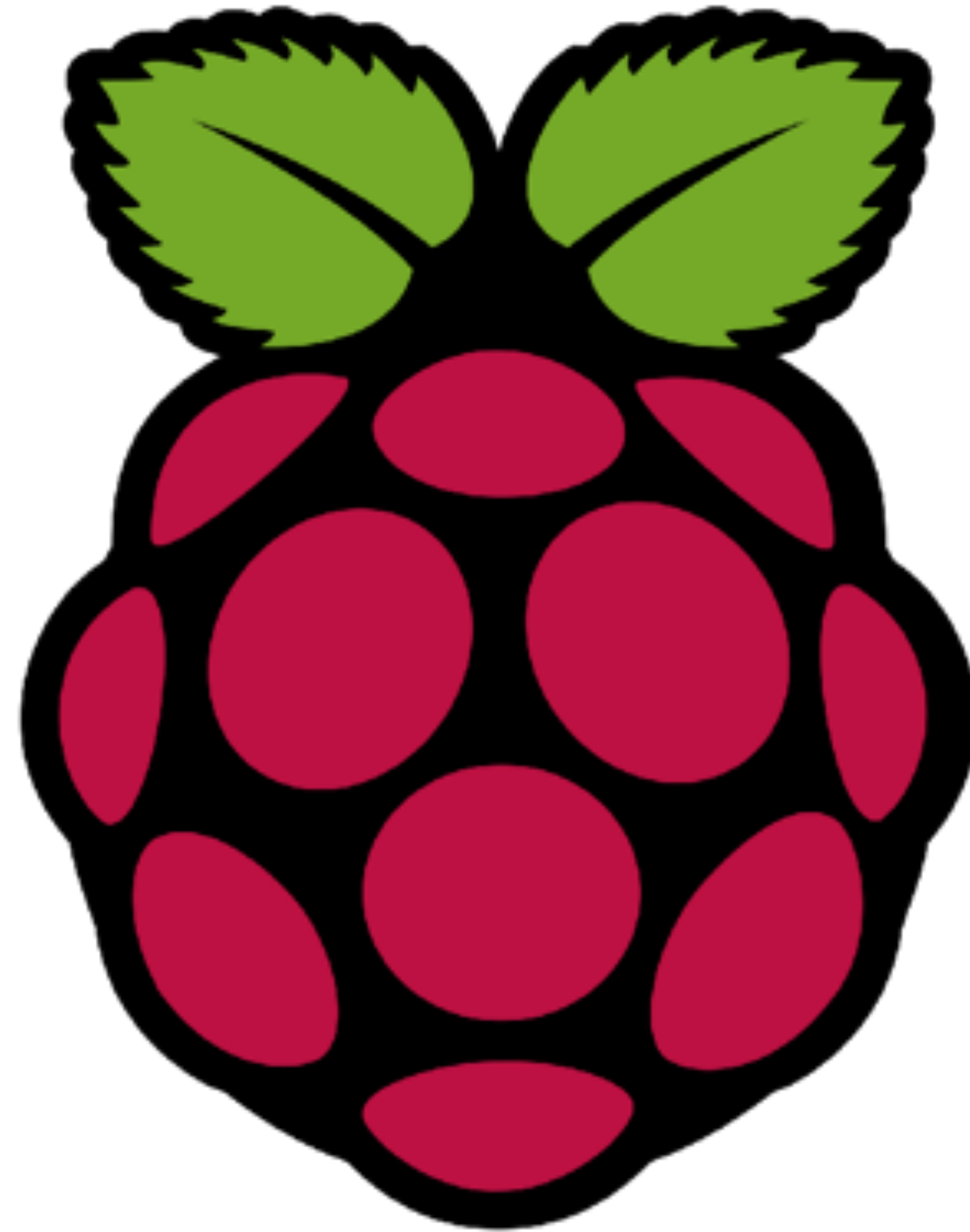
¿QUE ES LA INCLUSIÓN DIGITAL?



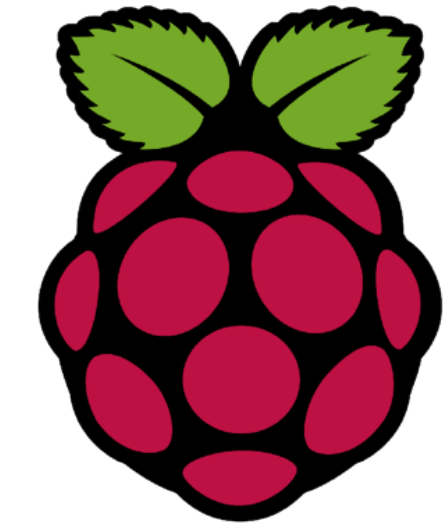
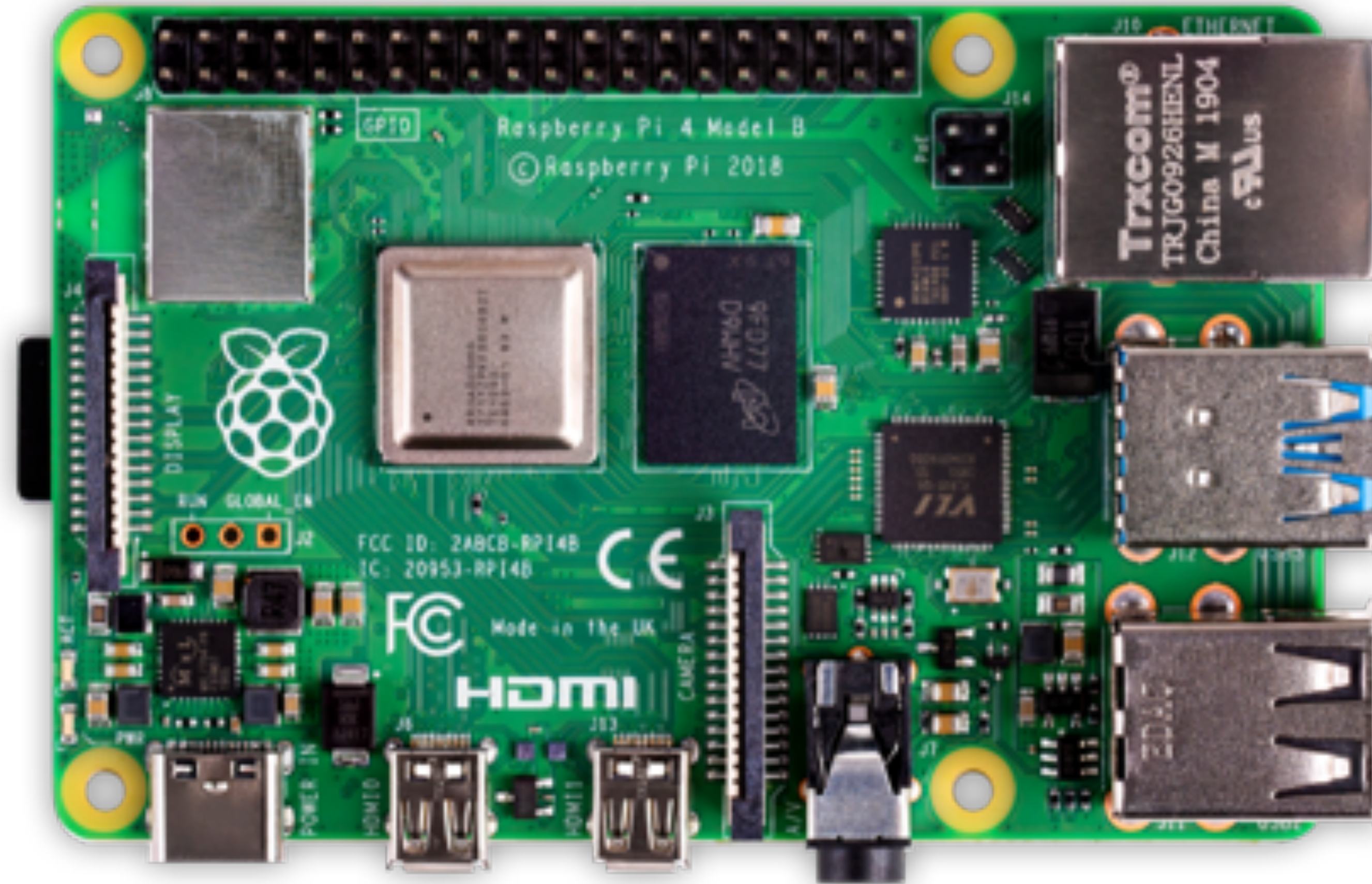
¿QUE ES EL RASPBERRY?



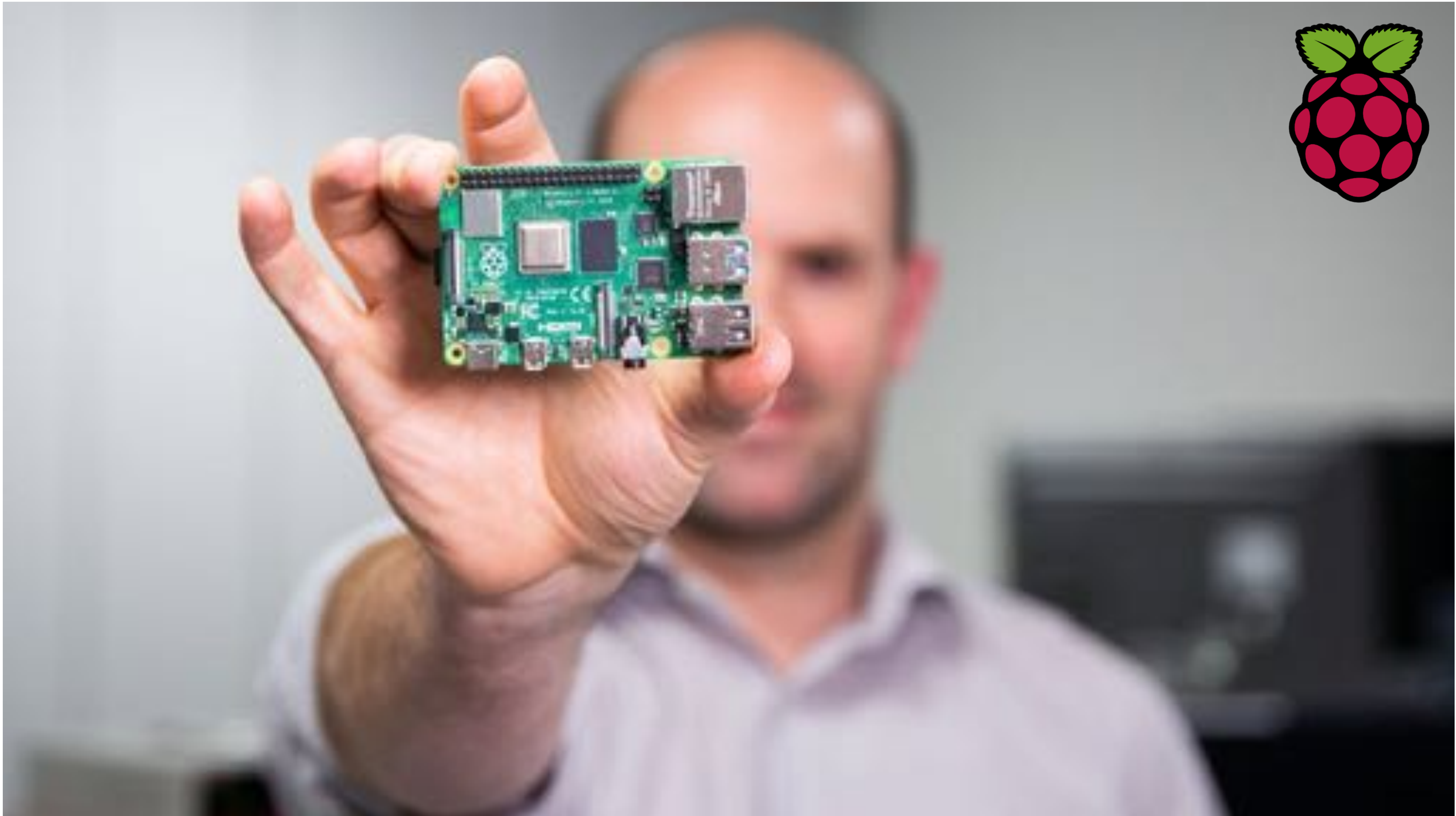
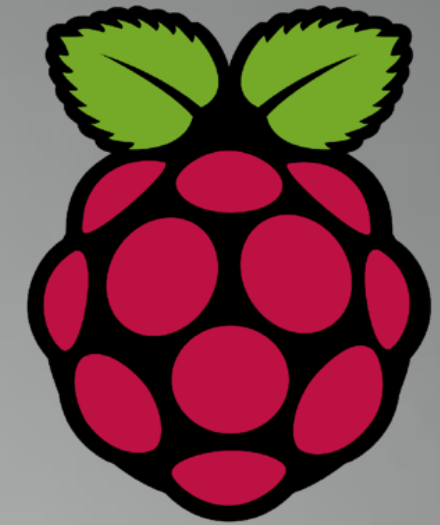
¿QUE ES EL RASPBERRY PI?



¿QUE ES EL RASPBERRY PI?



¿QUE ES EL RASPBERRY PI?



¿QUÉ USO TIENE EL RASPBERRY PI?

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Your **new** desktop computer



¿QUE ES EL RASPBERRY PI?

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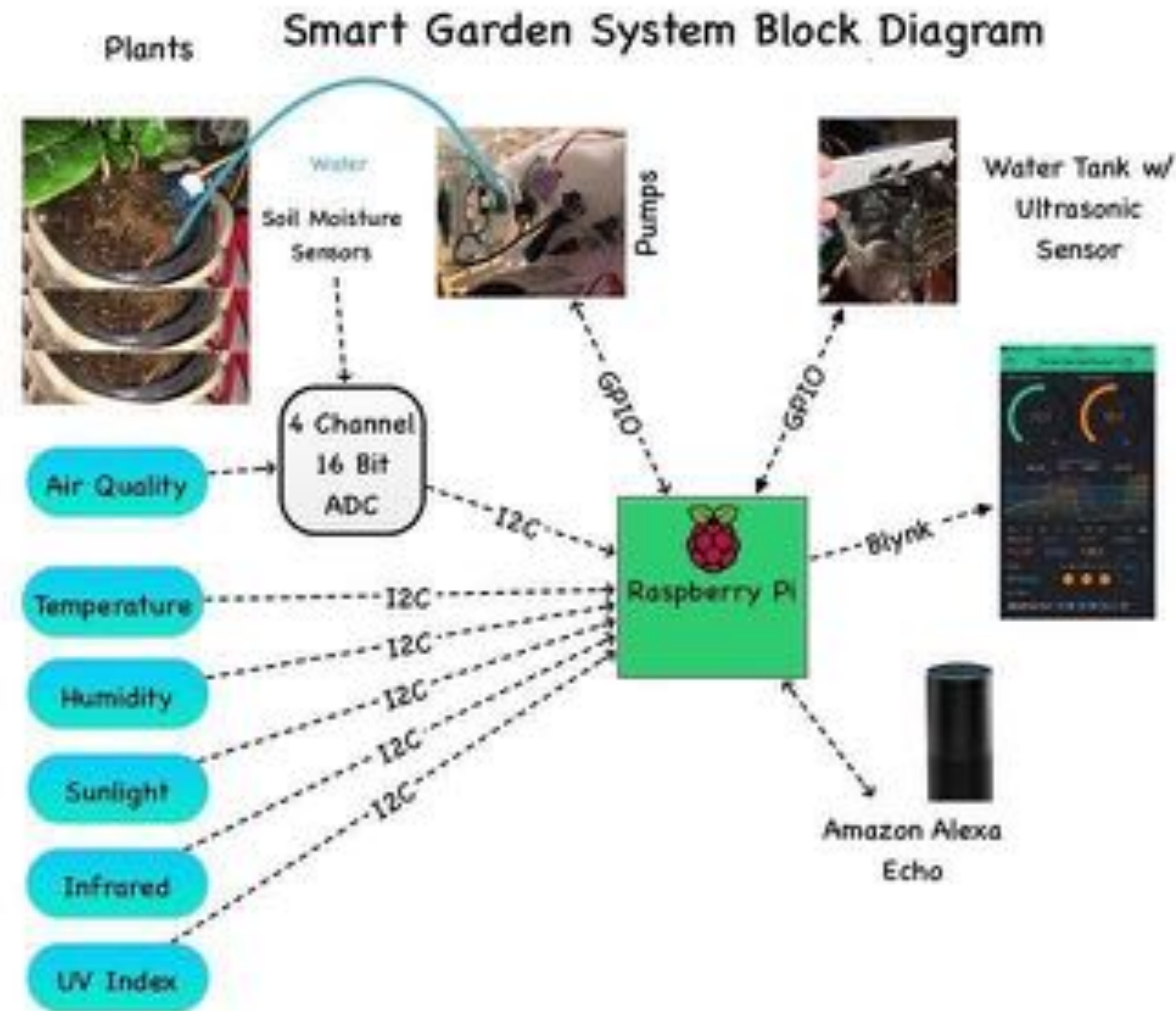
¿QUÉ USO TIENE EL RASPBERRY PI?

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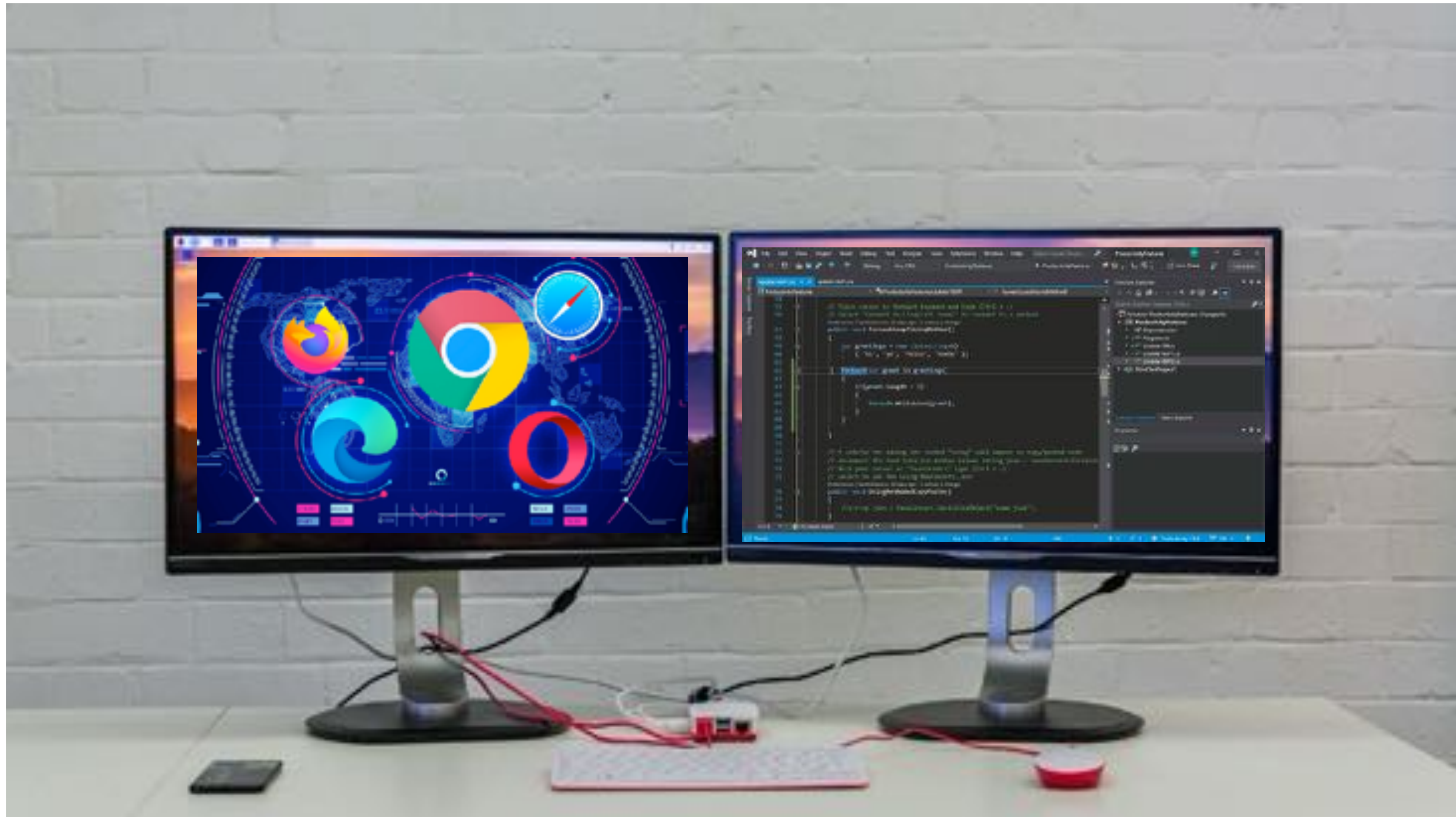
¿QUÉ USO TIENE EL RASPBERRY PI?

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¿QUÉ USO TIENE EL RASPBERRY PI?

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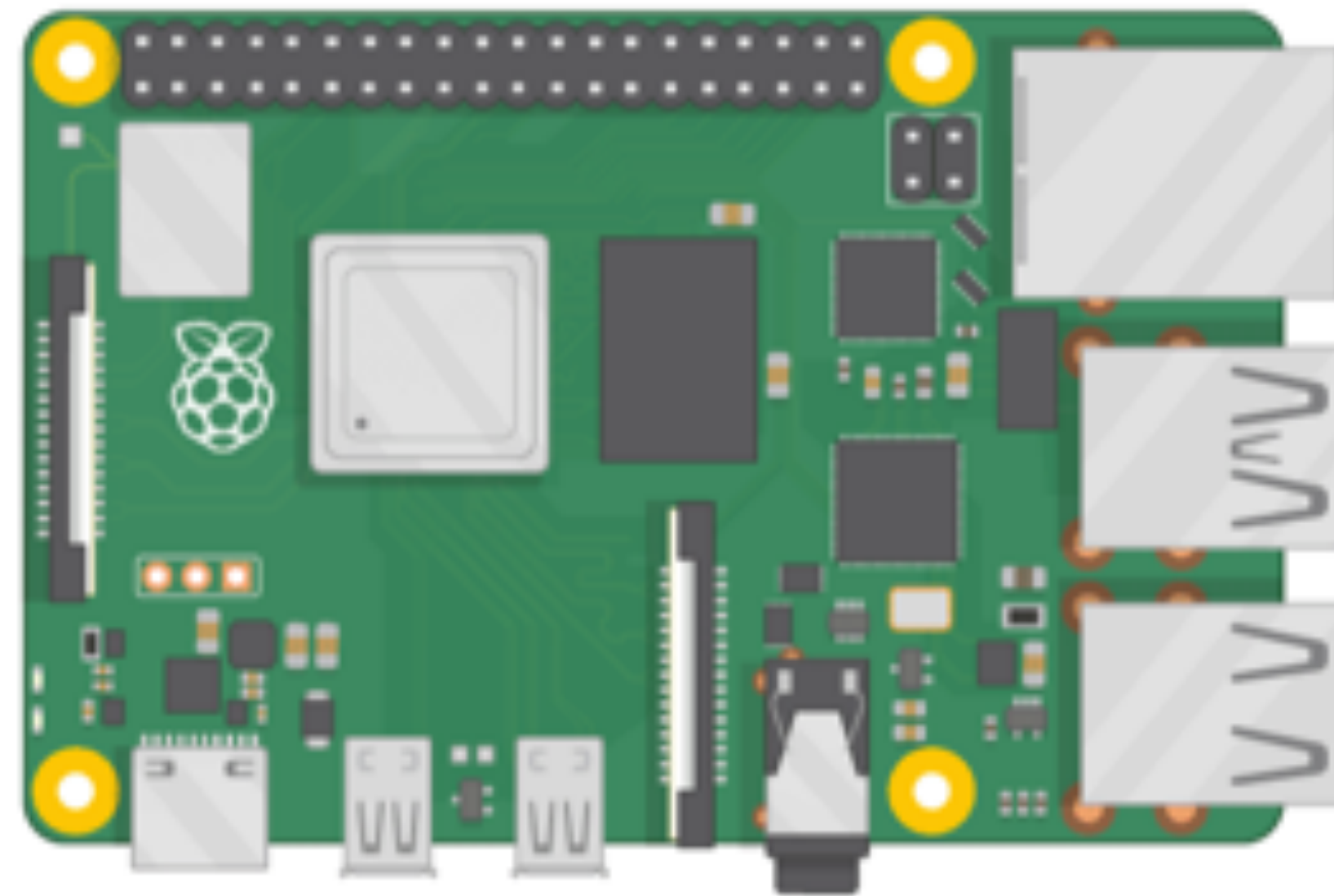
¿QUÉ USO TIENE EL RASPBERRY PI?

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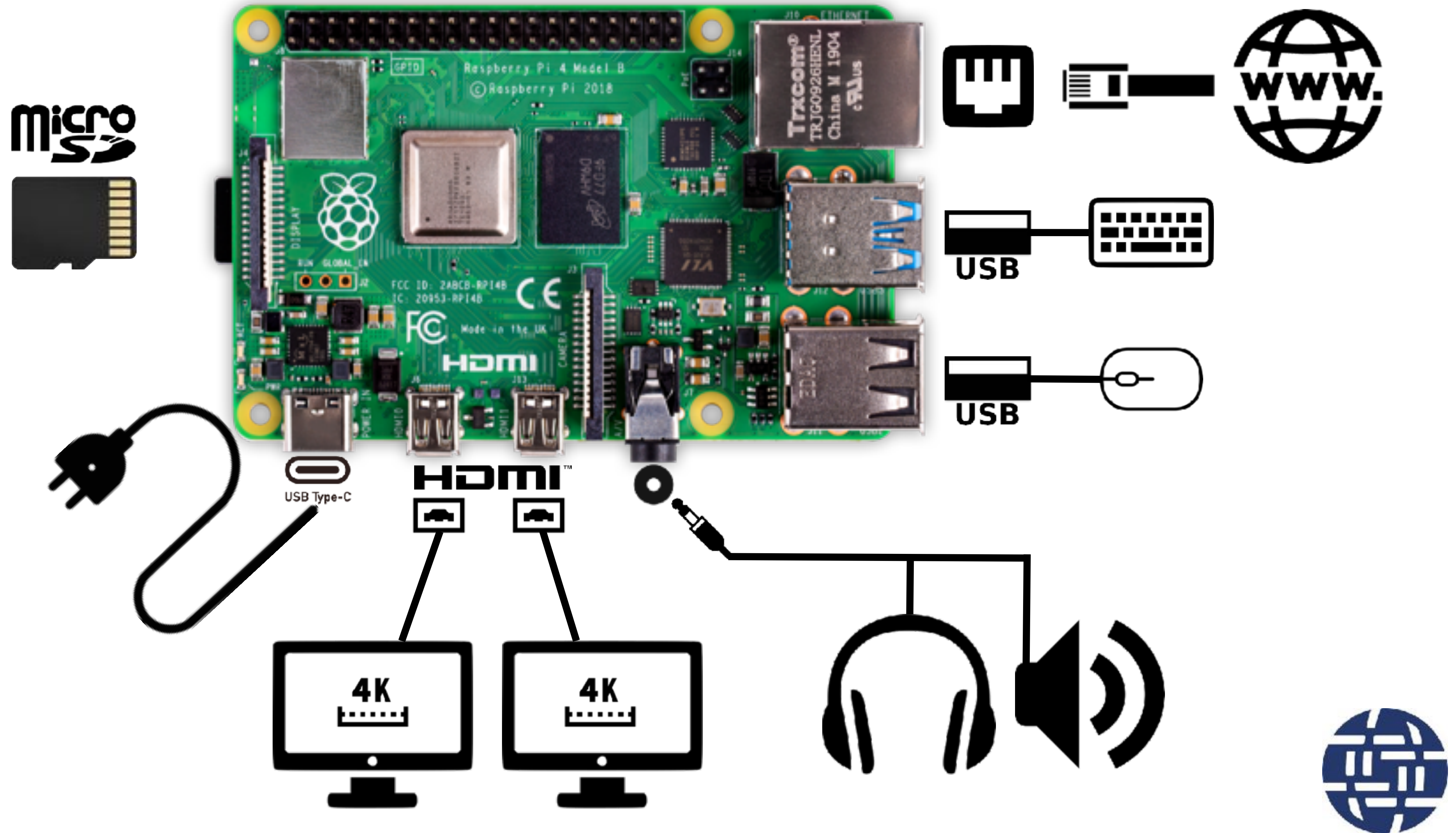
Configuración **“Partes y Conectores”**





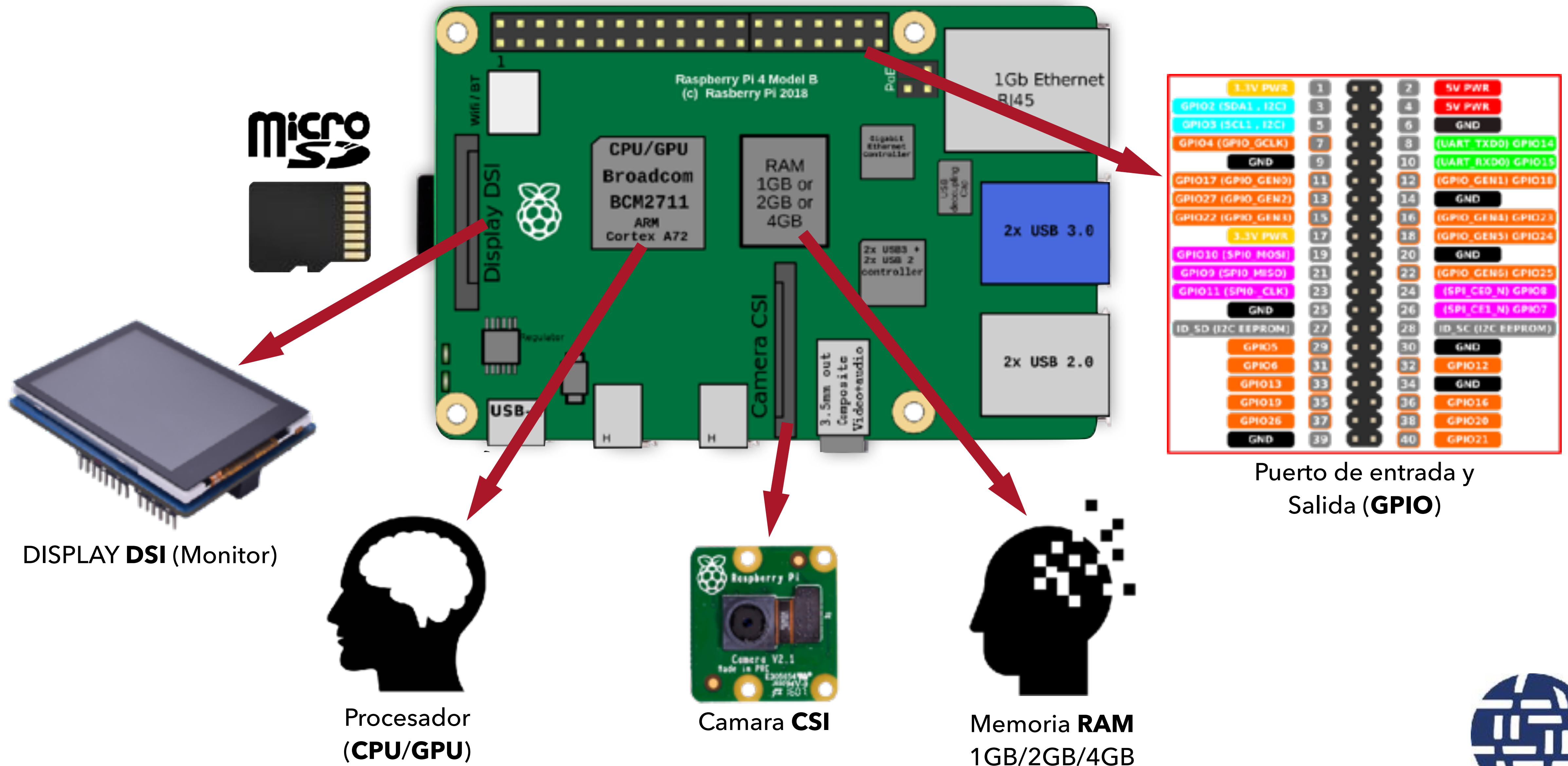
CONOCE TU RASPBERRY PI - CONEXIONES

18



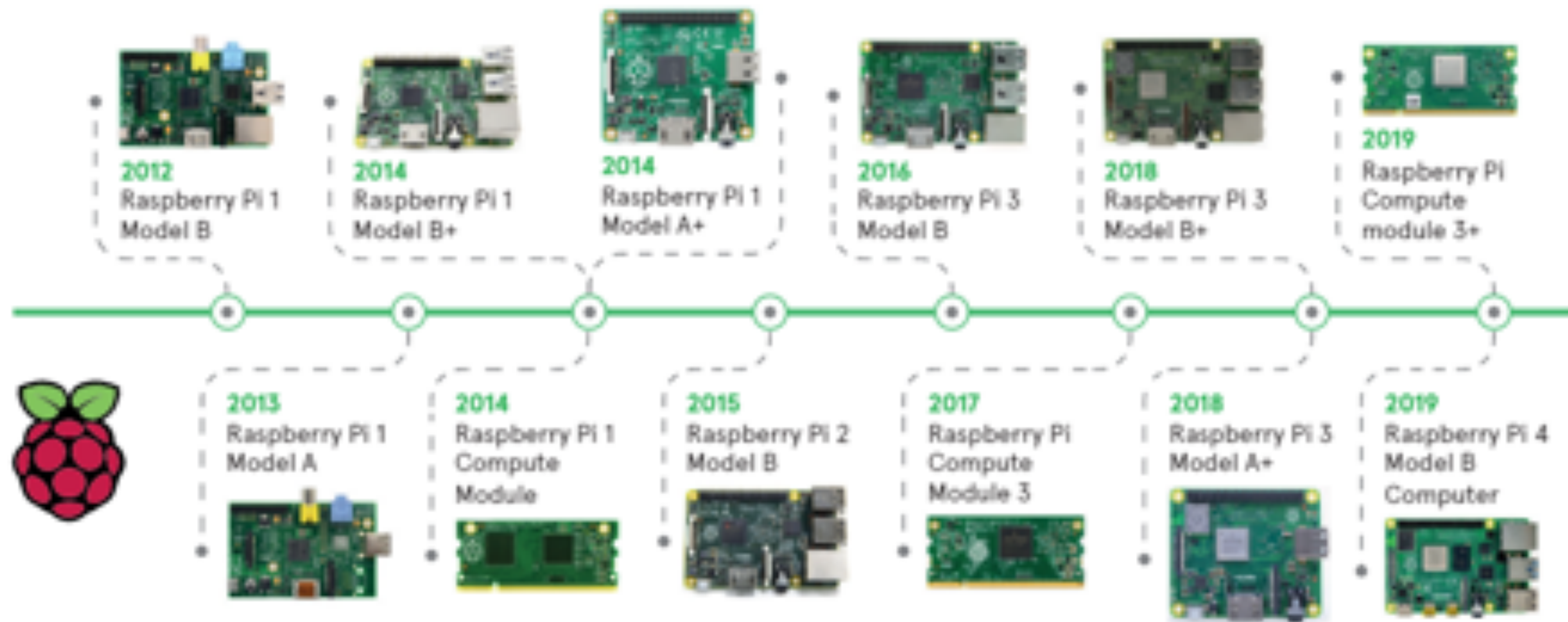
CONOCE TU RASPBERRY PI - PARTES

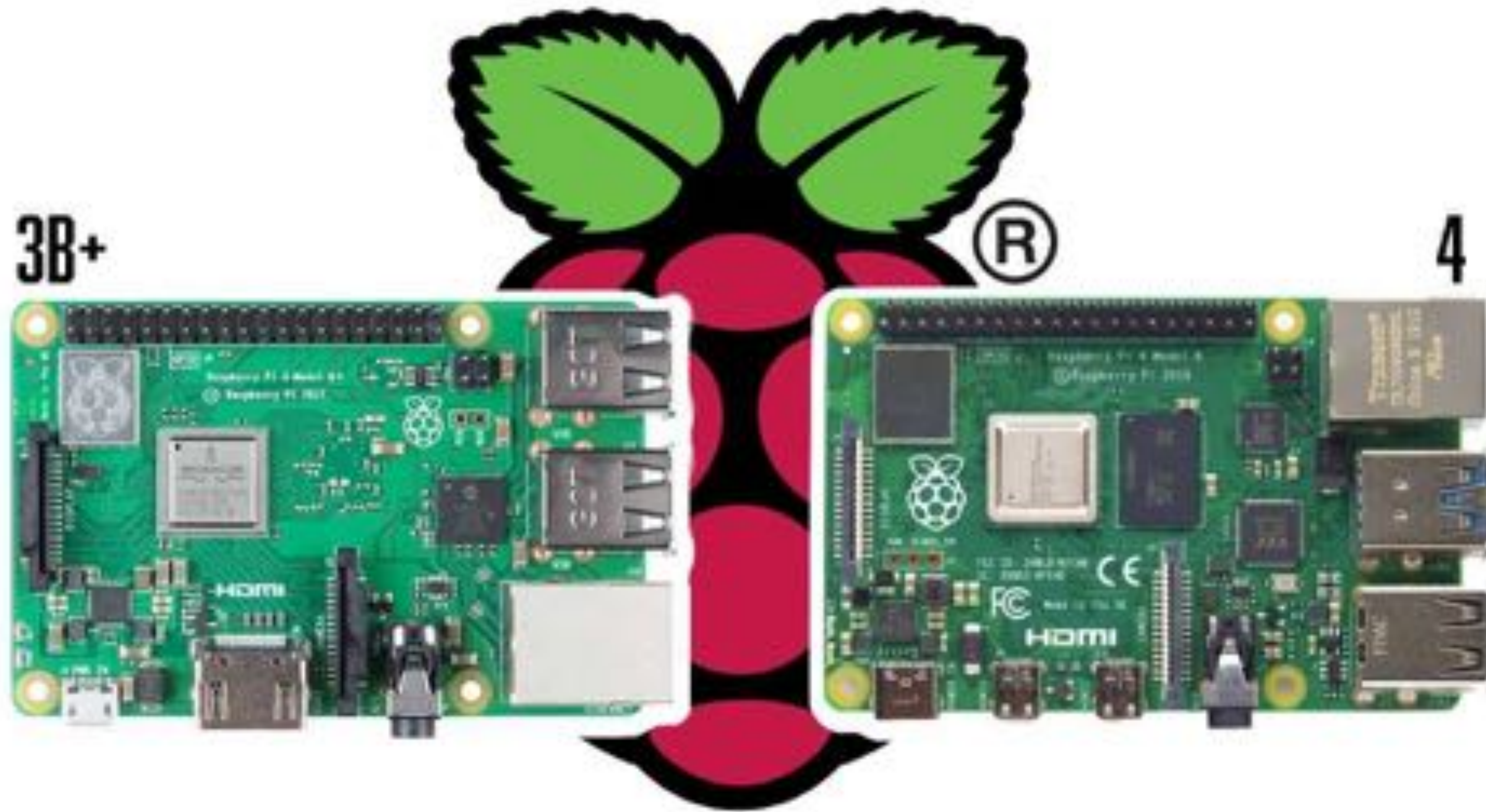
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CONOCE TU RASPBERRY PI - HISTORIA

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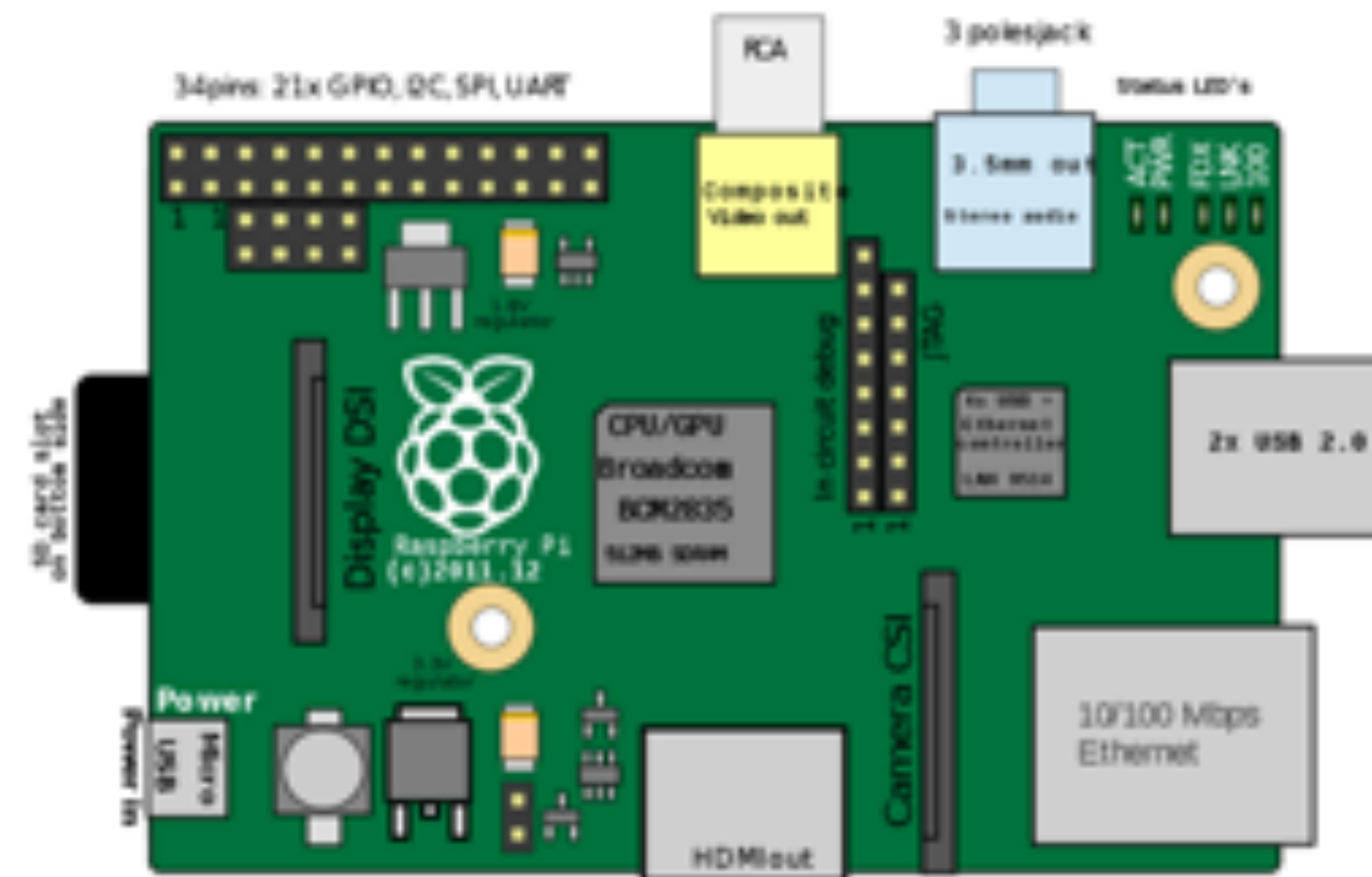




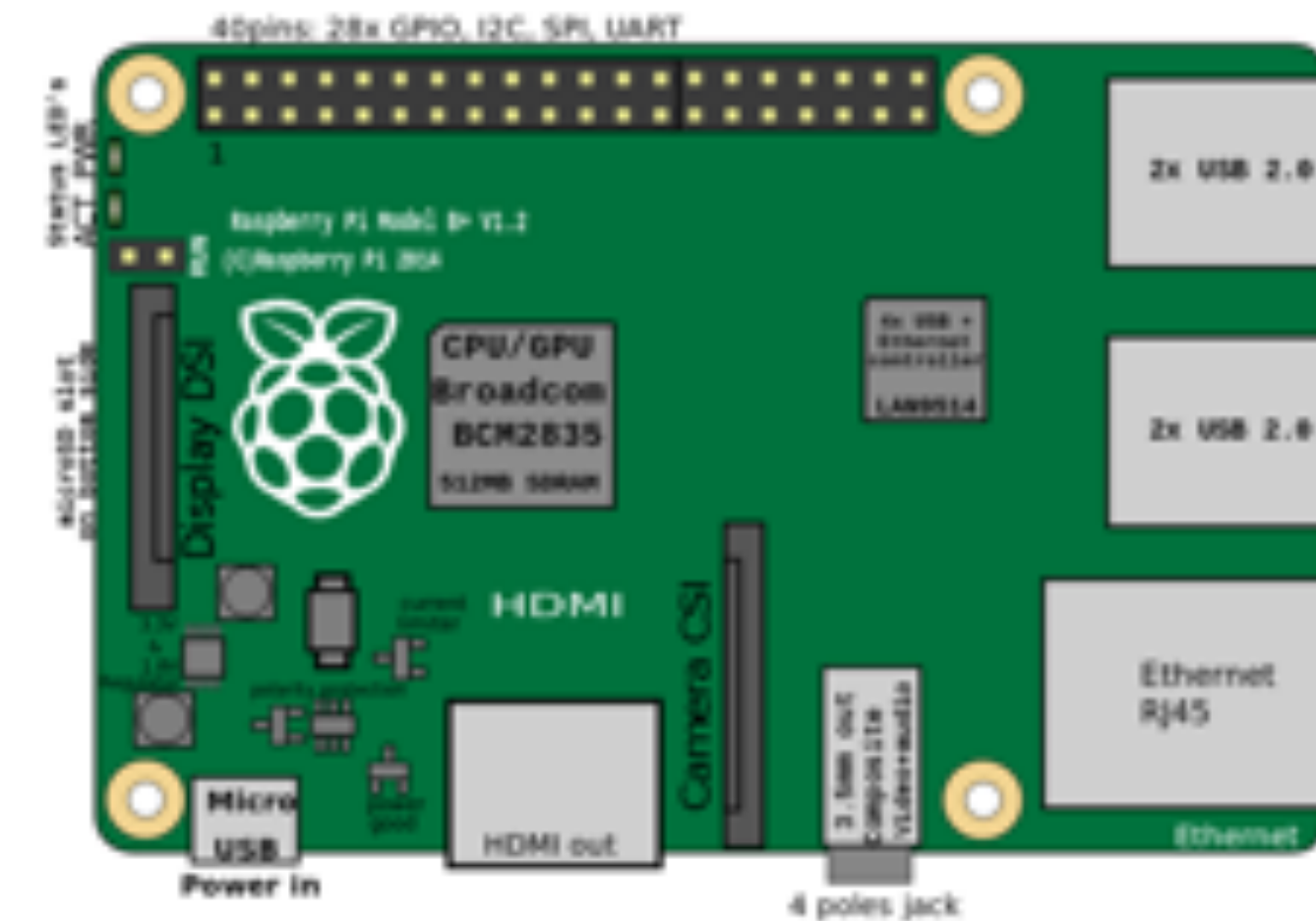
CONOCE TU RASPBERRY PI

22

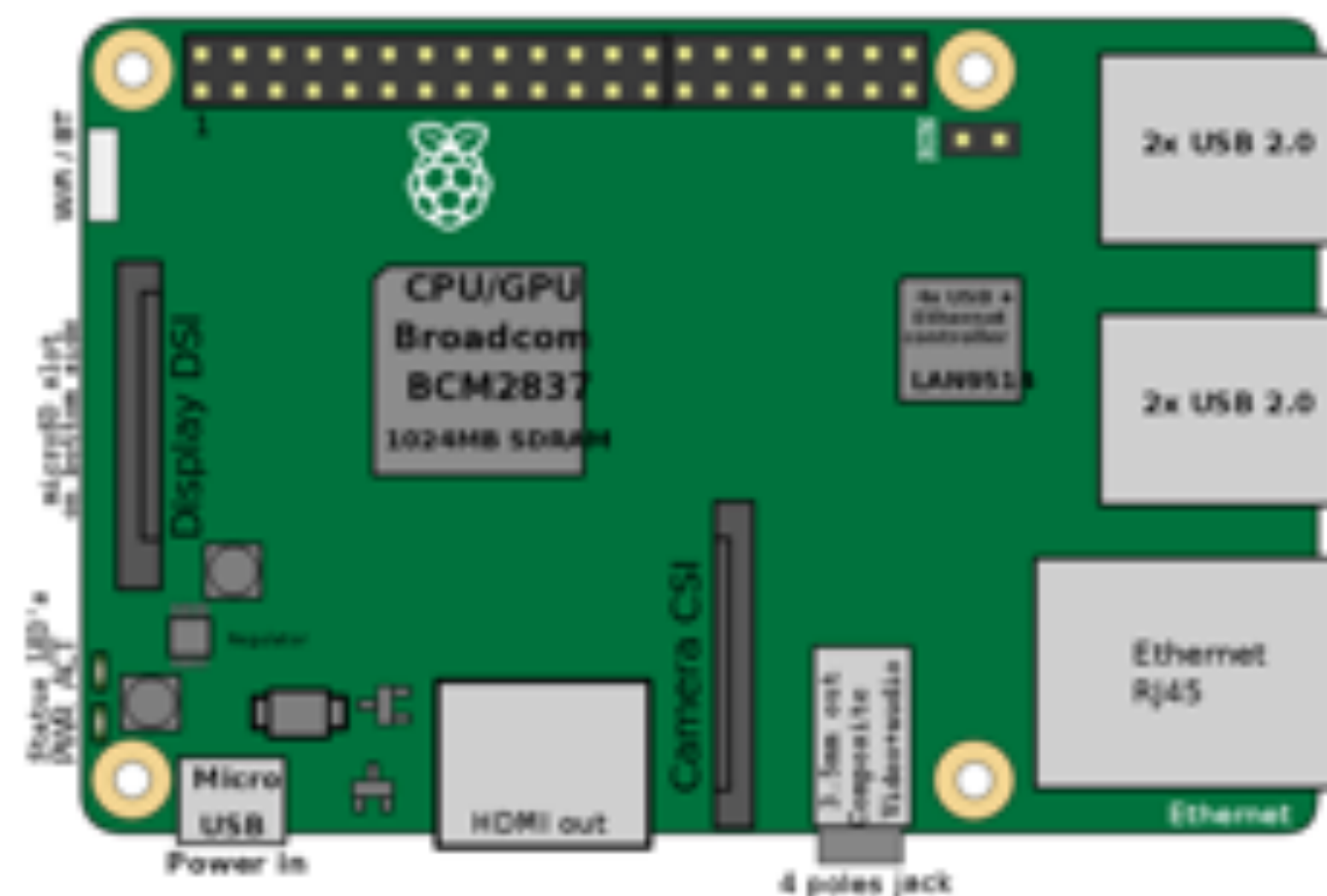
Raspberry Pi 1 Model B



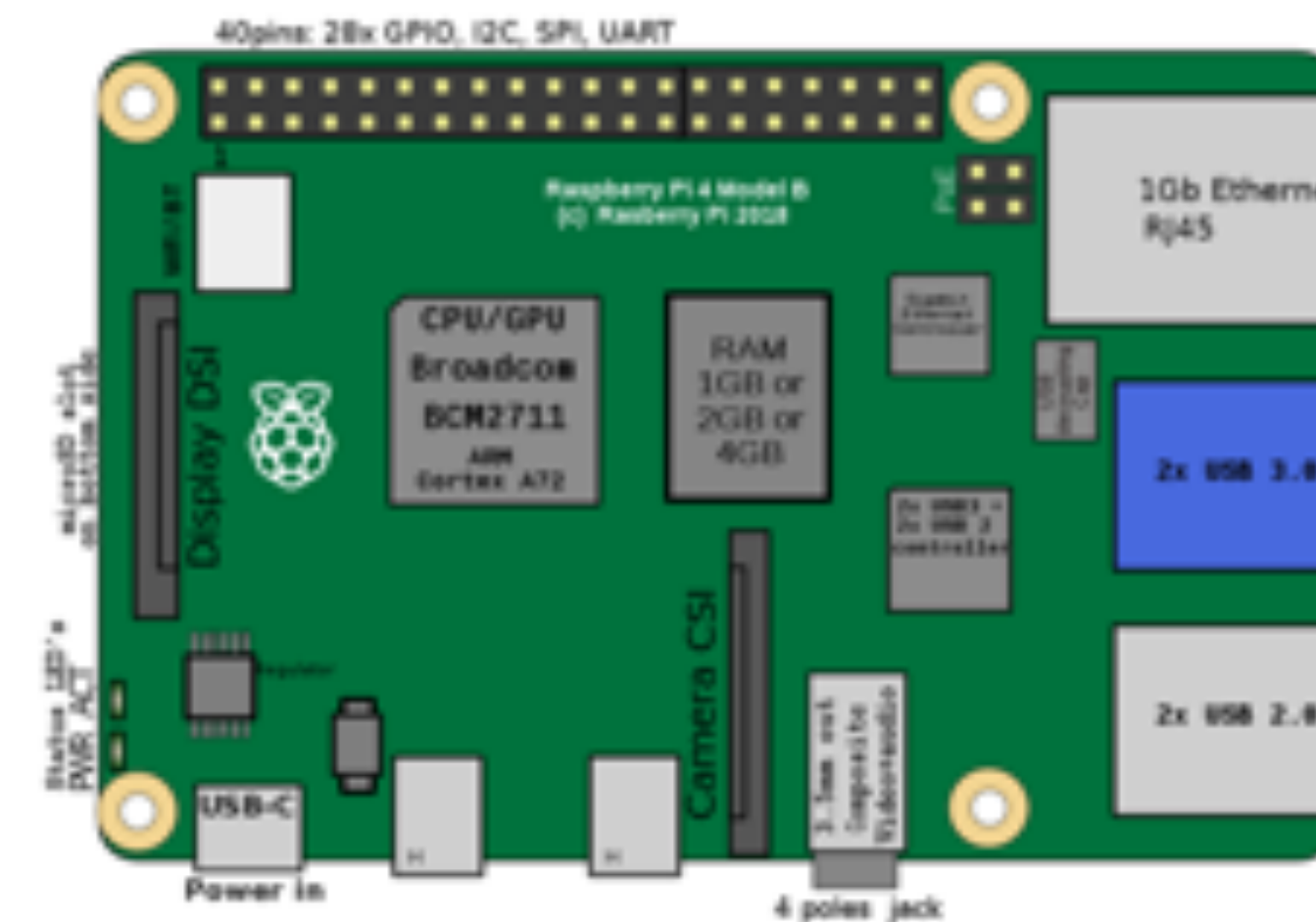
Raspberry Pi 1 Model B+



Raspberry Pi 3 Model B



Raspberry Pi 4 Model B



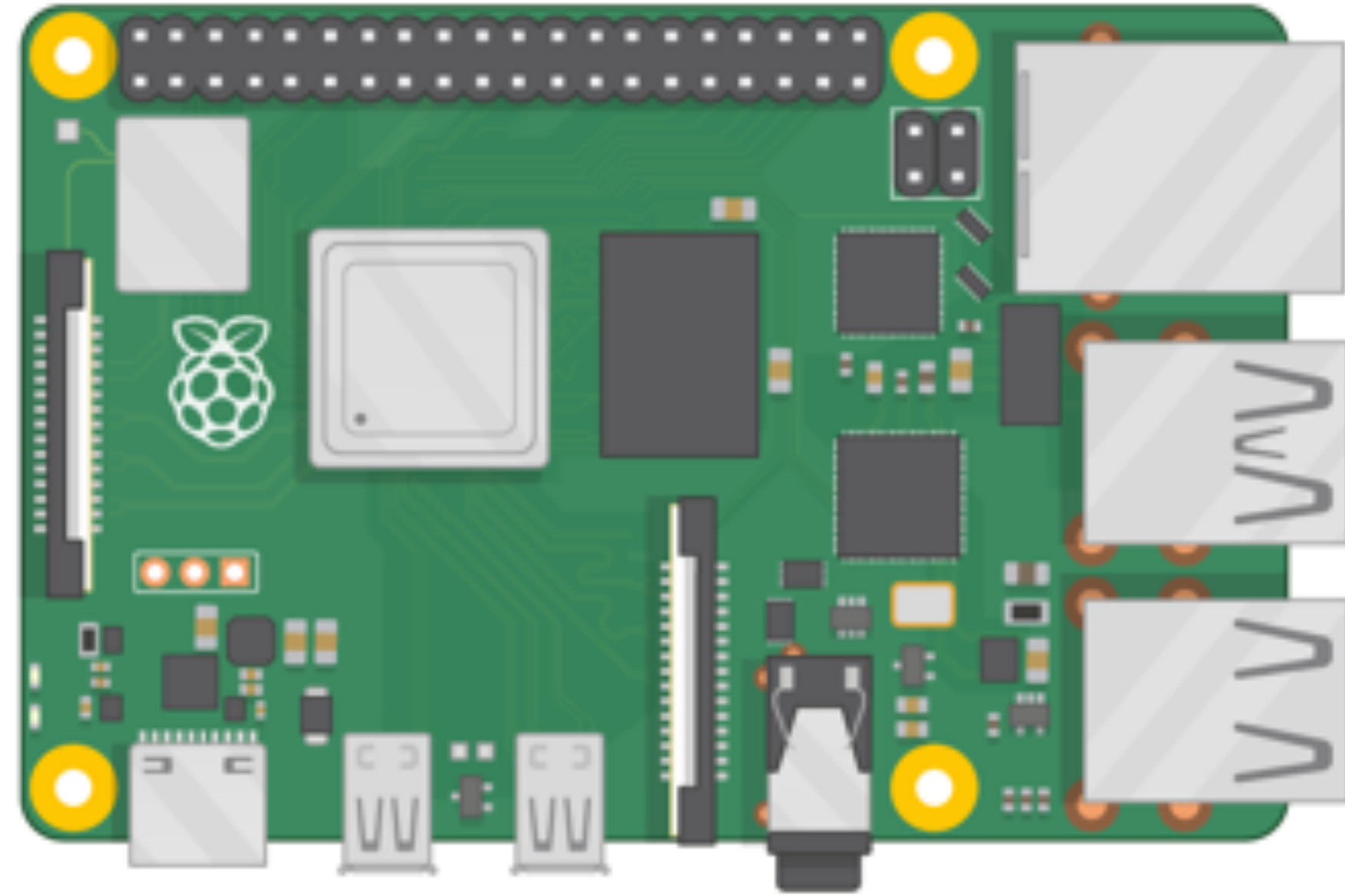
Configuración

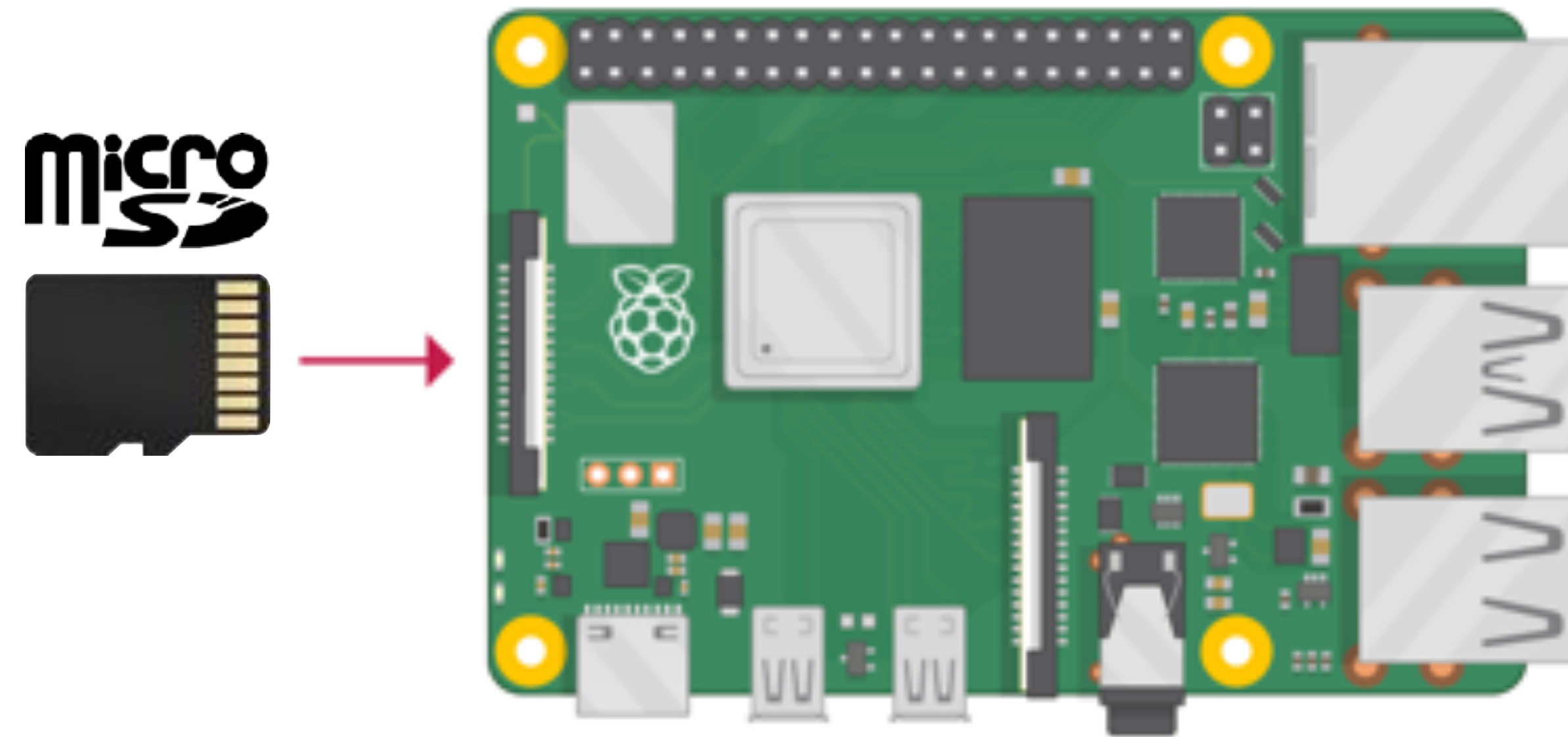
“Lo que necesitarás”



LO QUE NECESITARÁS – UNA RASPBERRY

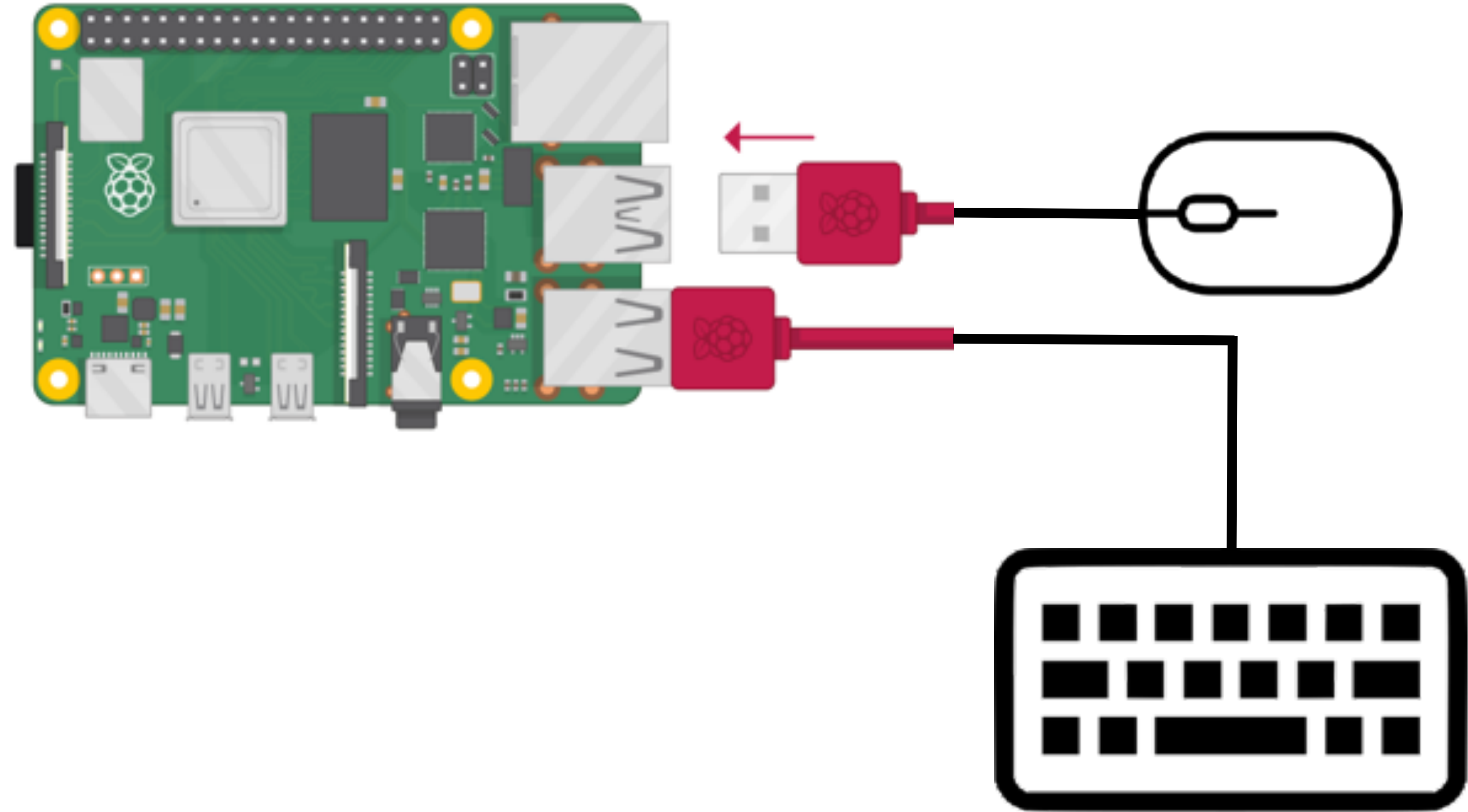
24





LO QUE NECESITARÁS – UN TECLADO Y UN RATÓN

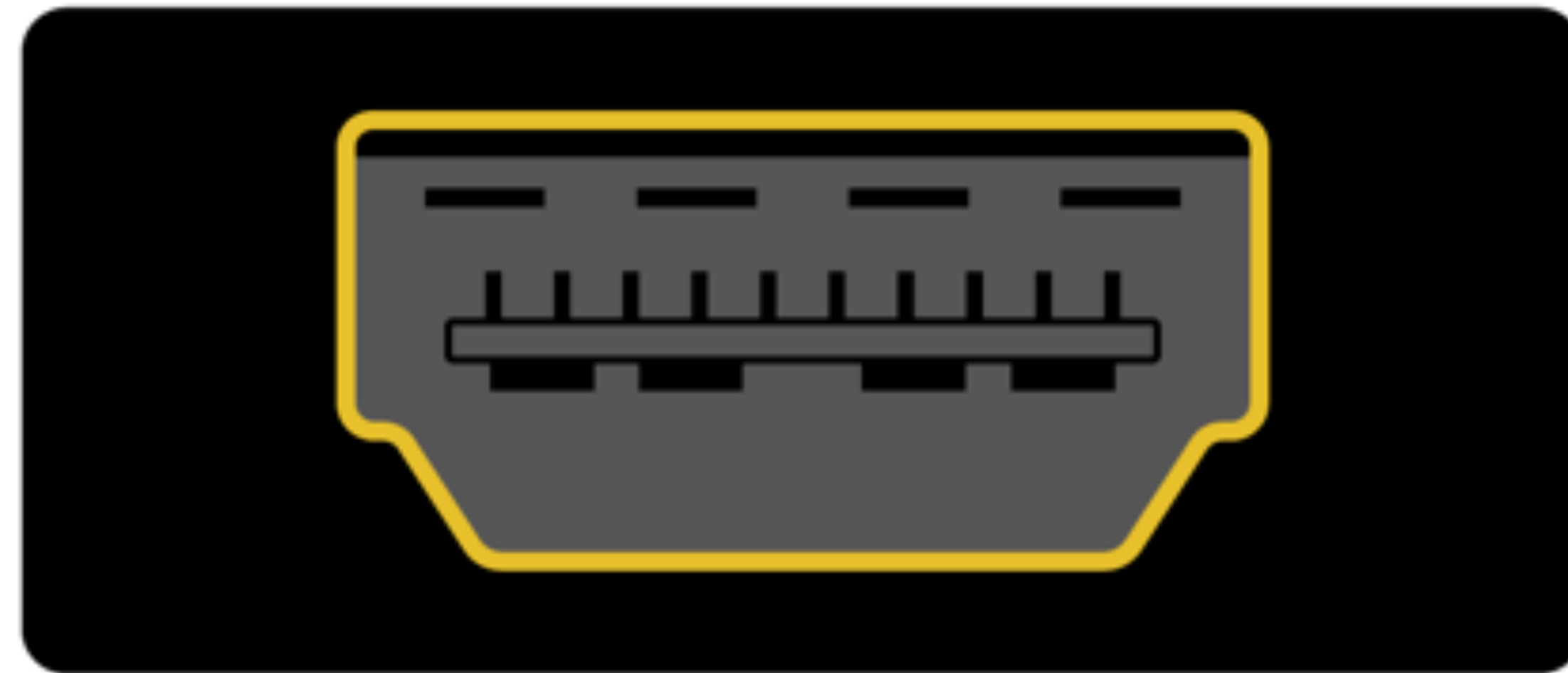
26



LO QUE NECESITARÁS – UNA PANTALLA DE TV / COMPUTADORA

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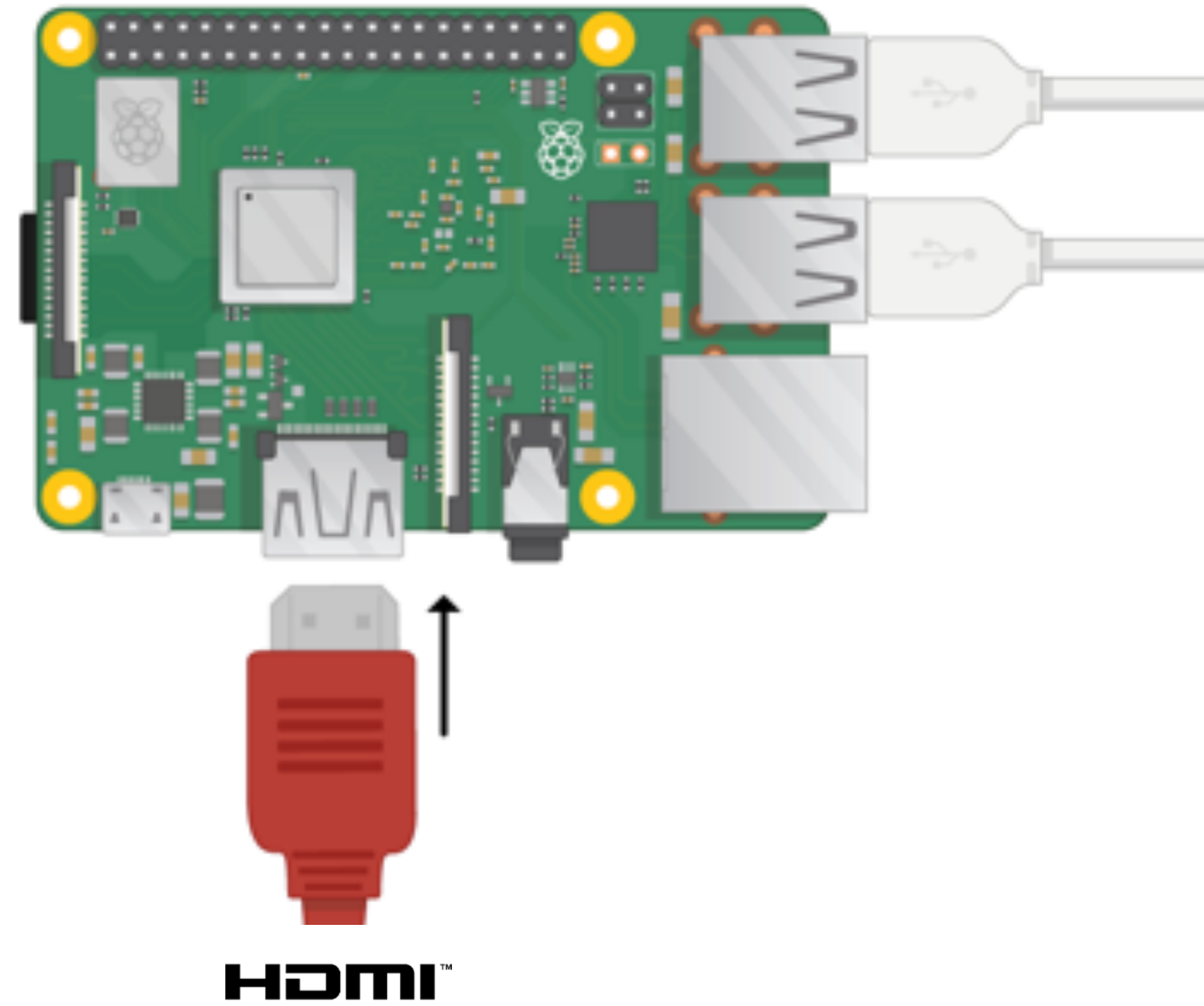


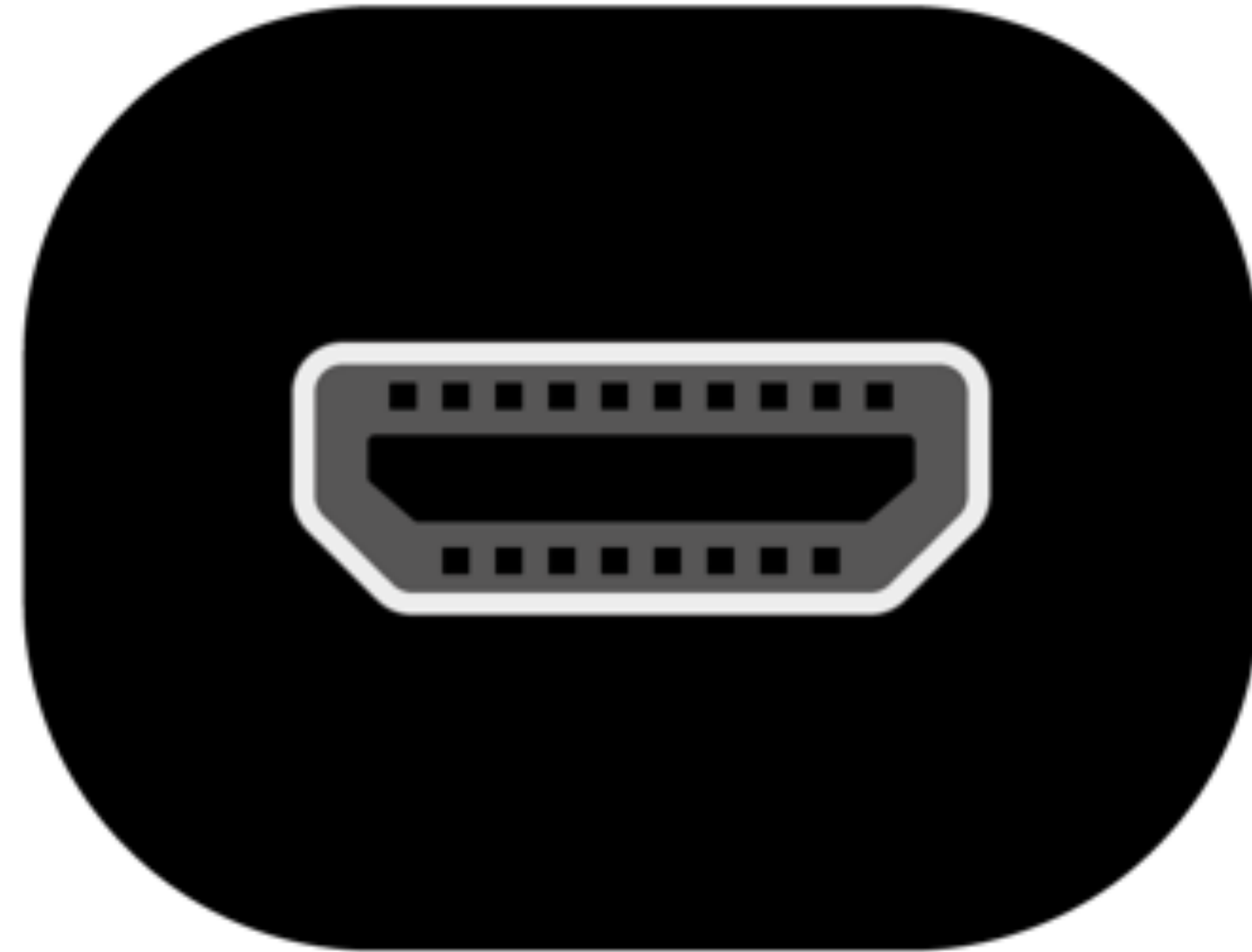
HDMI™



LO QUE NECESITARÁS – CABLEO Y/O CONECTOR

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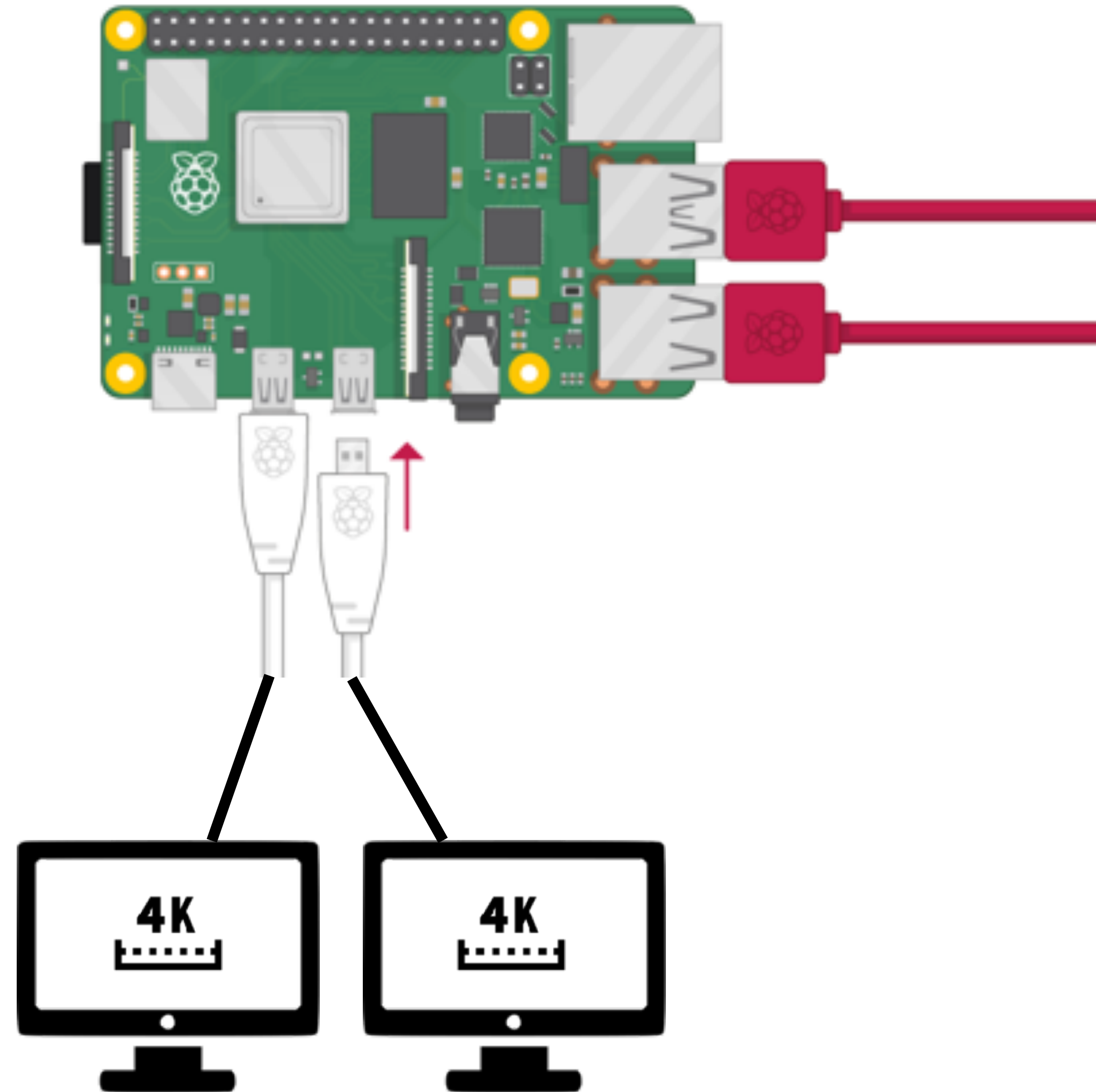


HDMI™



LO QUE NECESITARÁS – CABLEO Y/O CONECTOR

32



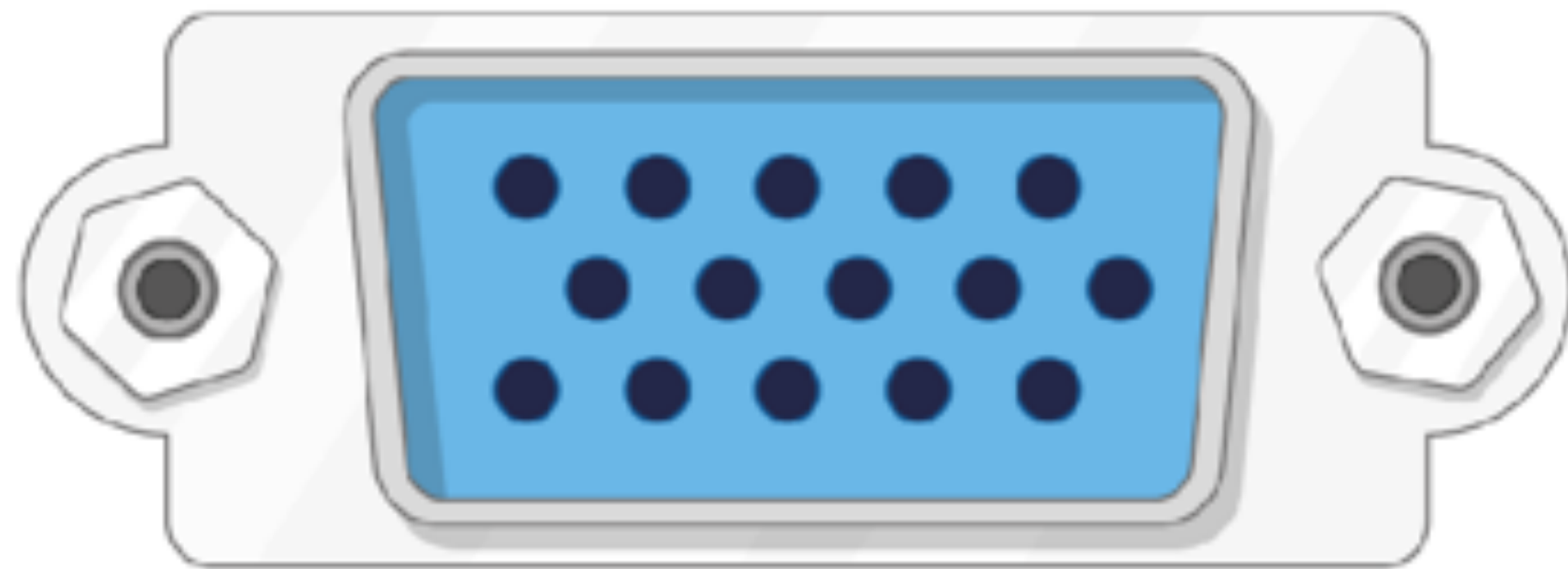
LO QUE NECESITARÁS – UNA PANTALLA DE TV / COMPUTADORA

33



LO QUE NECESITARÁS – CABLEO Y/O CONECTOR

34

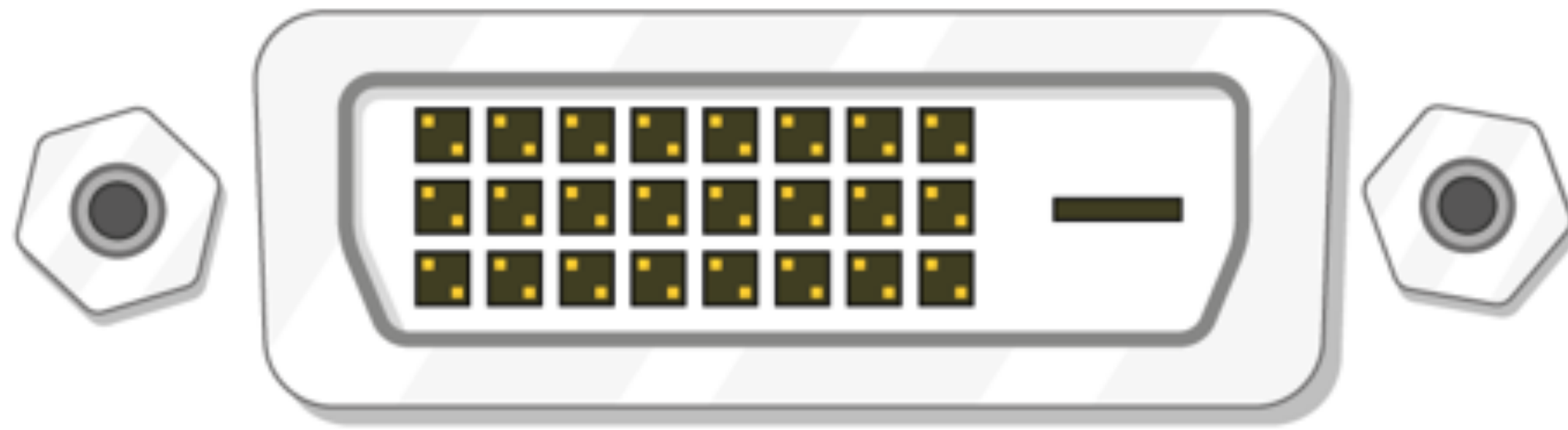


HDMI™



LO QUE NECESITARÁS – CABLEO Y/O CONECTOR

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HDMI™



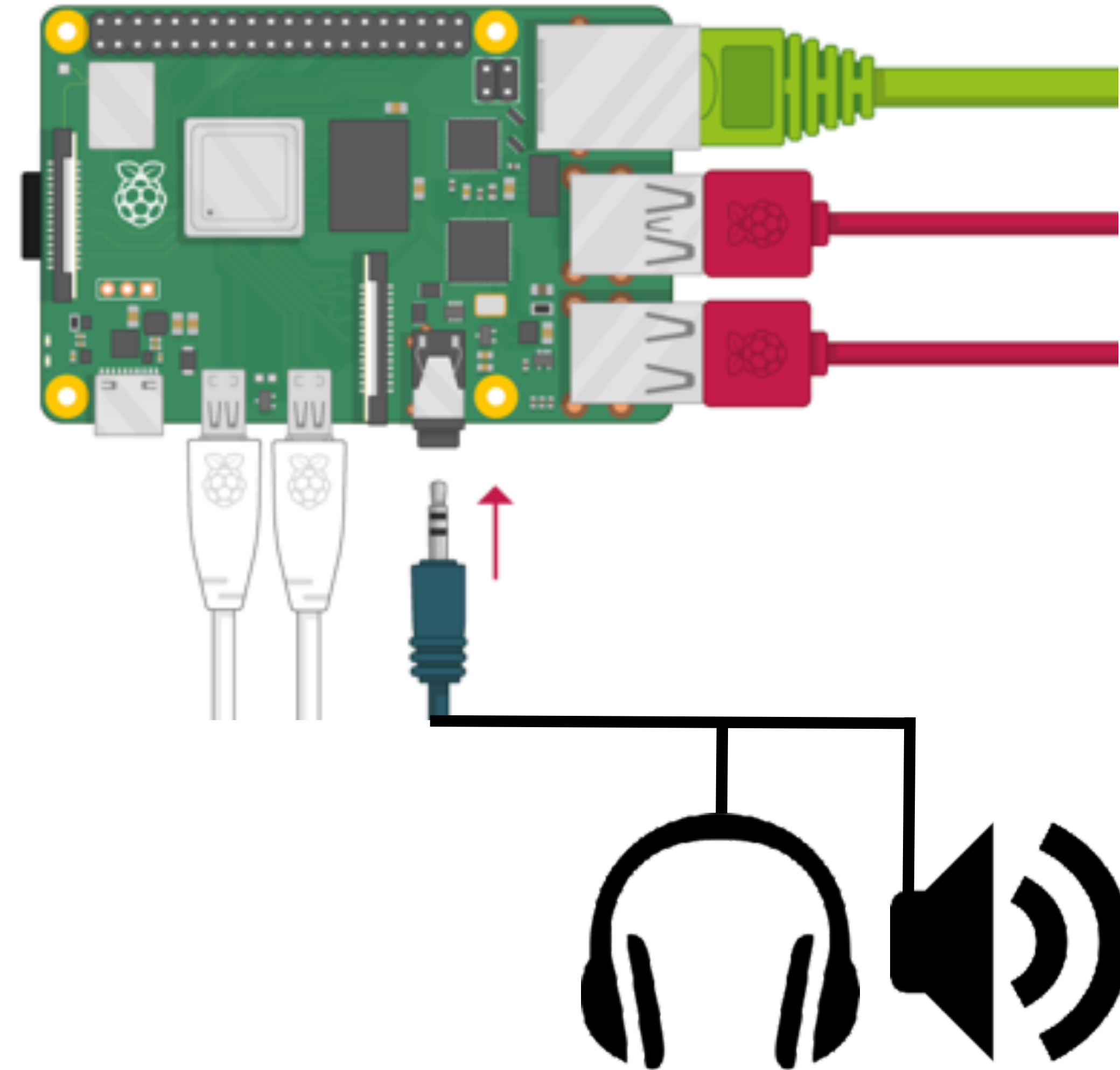
LO QUE NECESITARÁS – AURICULARES O ALTAVOCES

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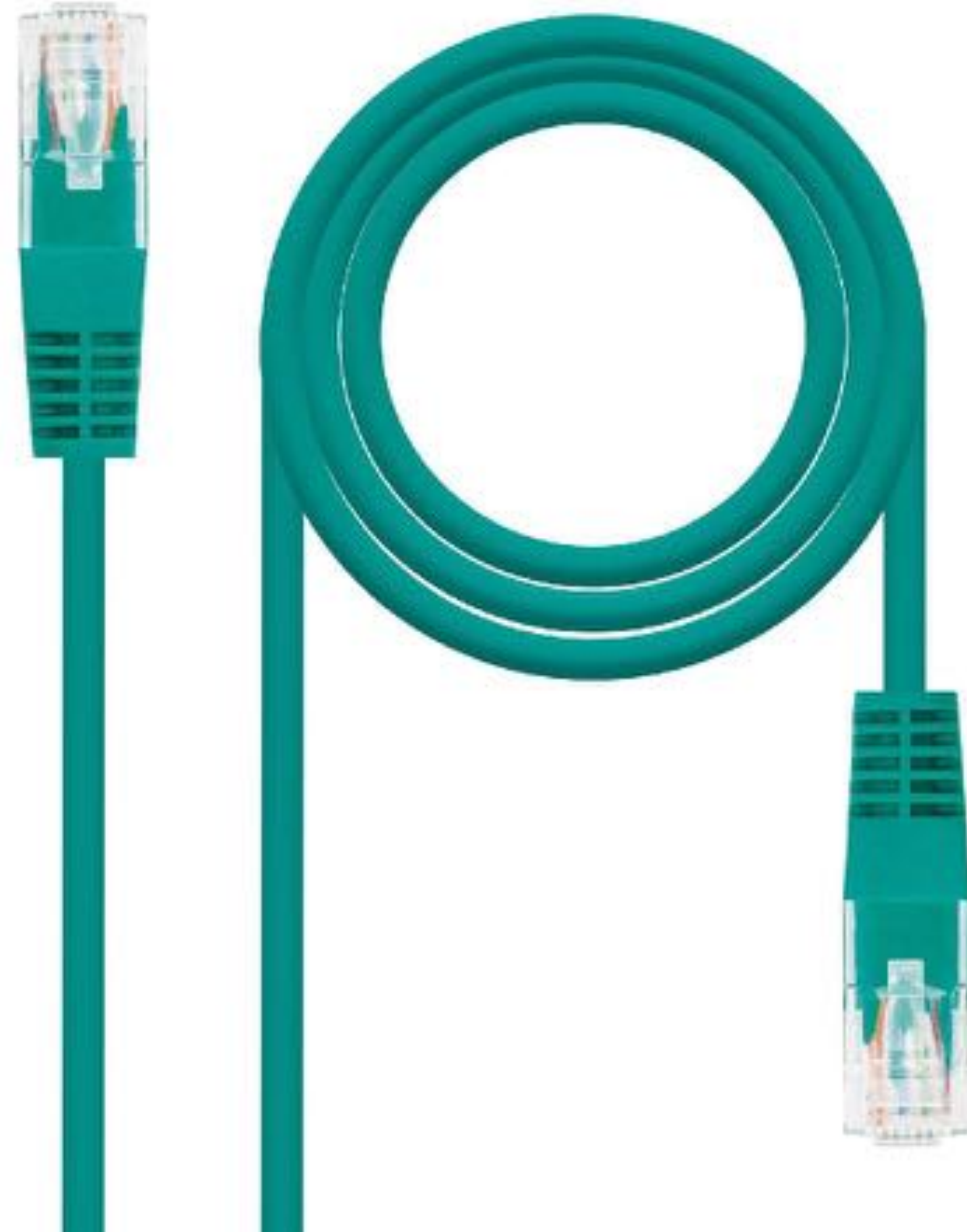
LO QUE NECESITARÁS – AURICULARES O ALTAVOCES

37



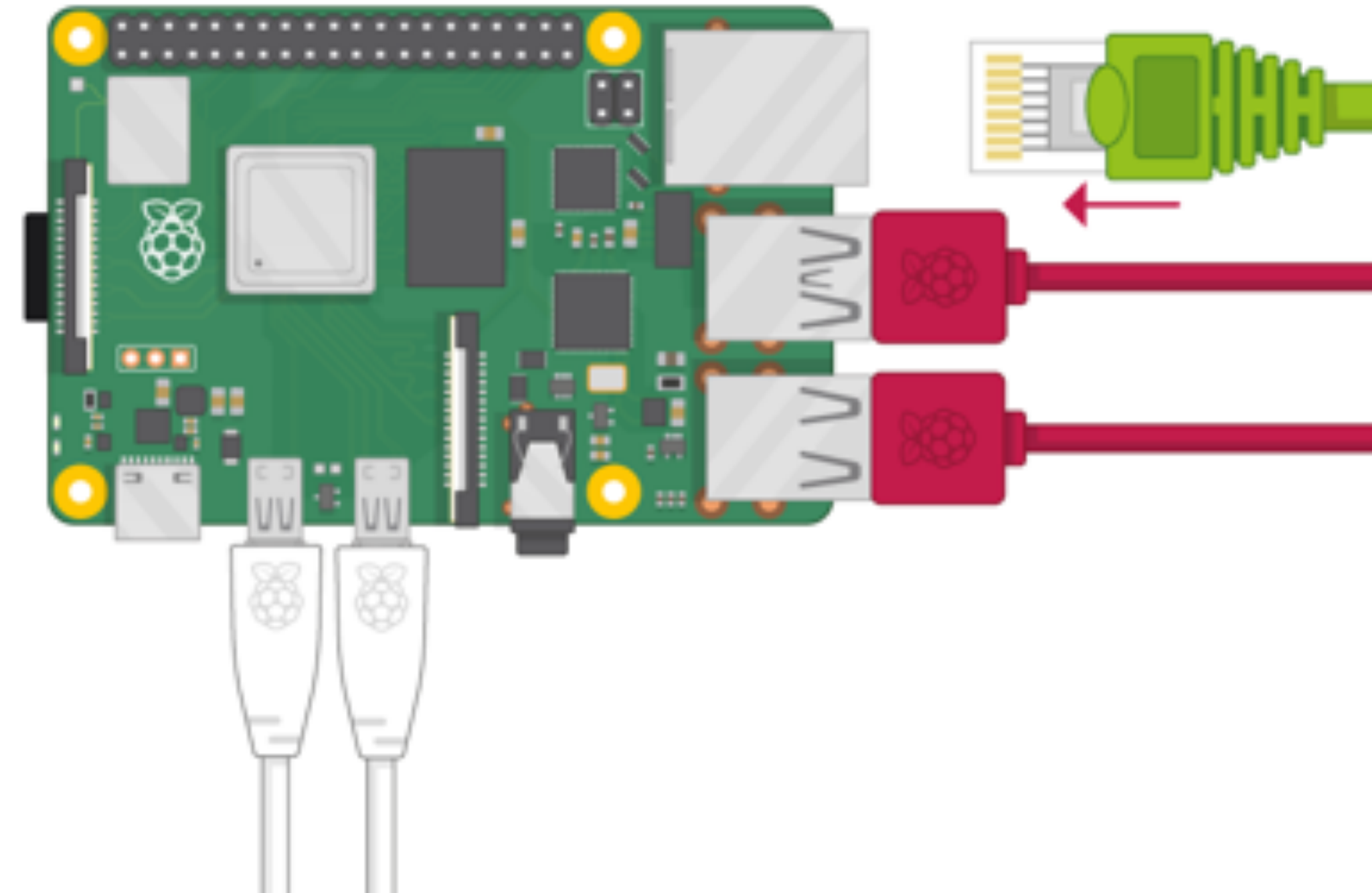
LO QUE NECESITARÁS – CABLE ETHERNET

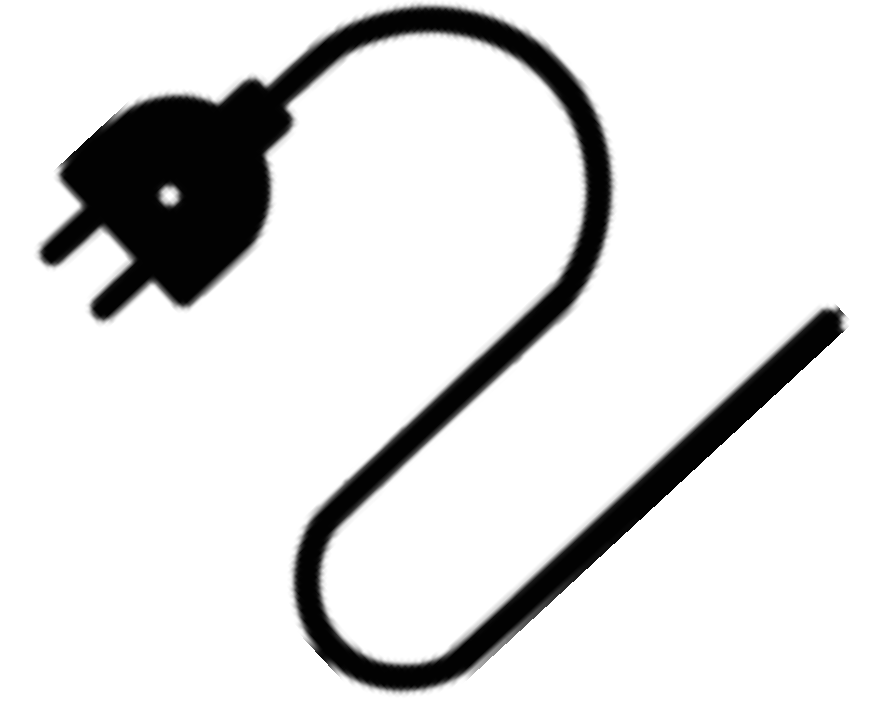
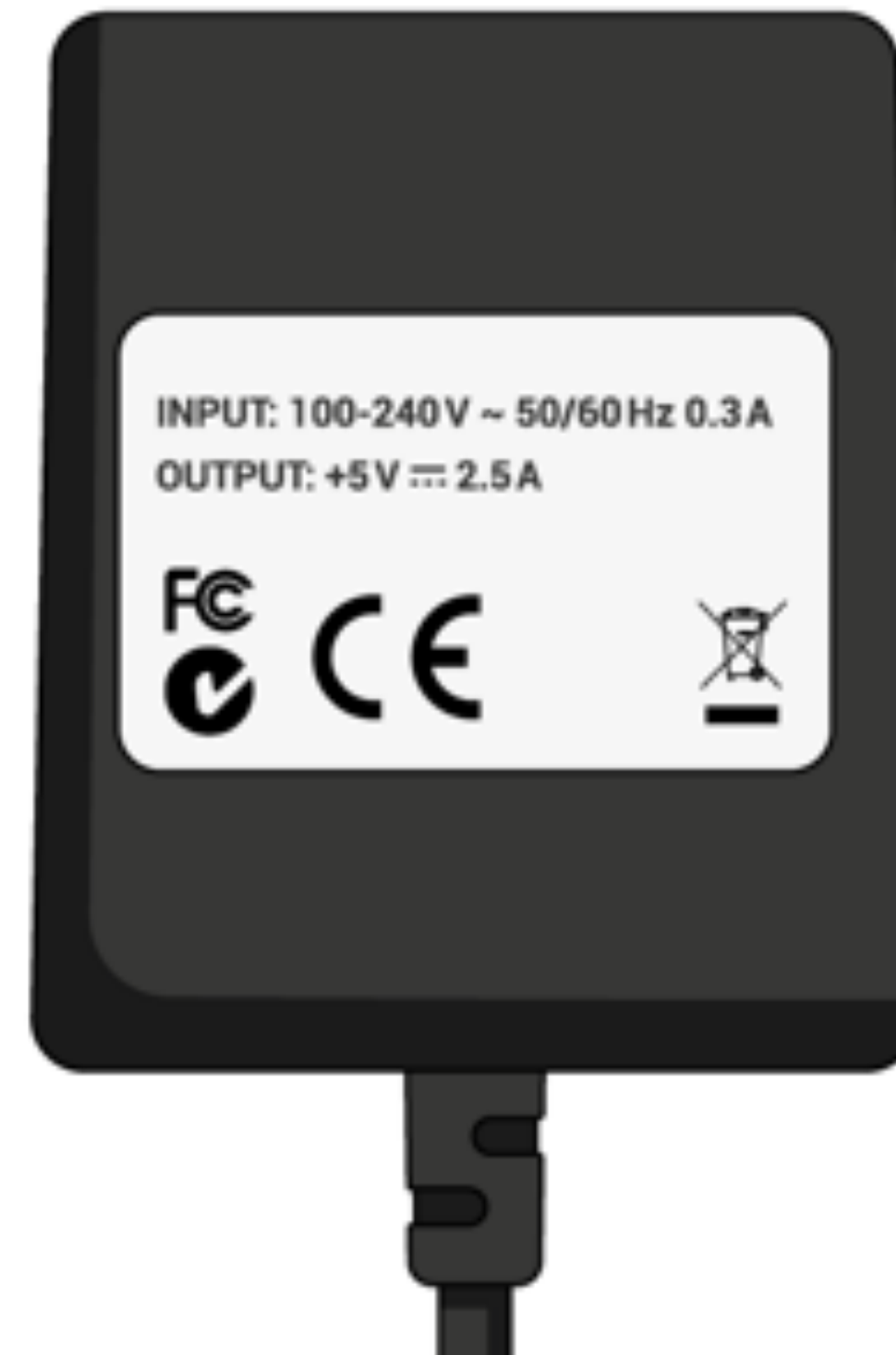
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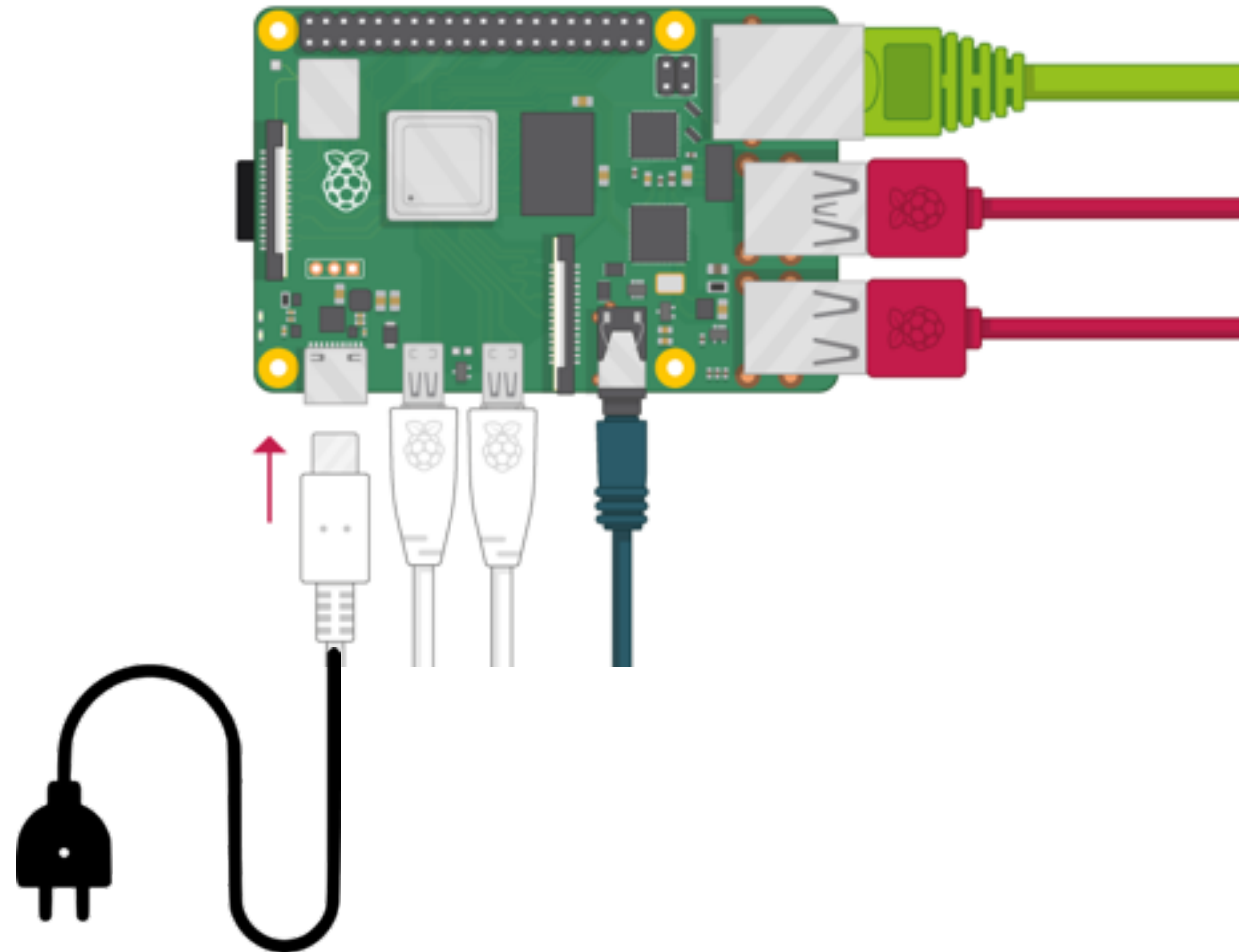


LO QUE NECESITARÁS – CABLE ETHERNET

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Configuración

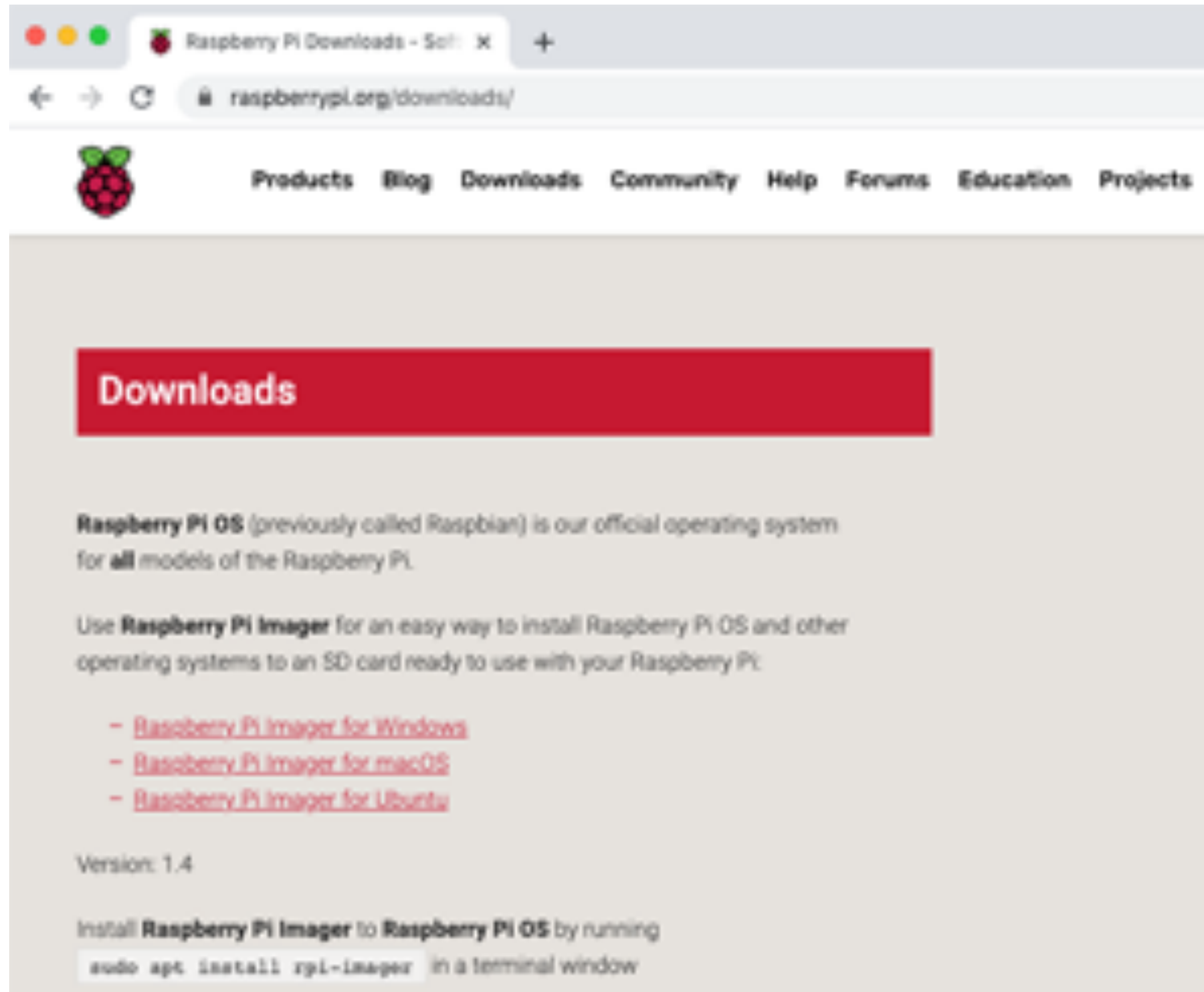
“Configurando la Tarjeta SD”



Requerimientos para preparar la tarjeta SD con el sistema operativo:

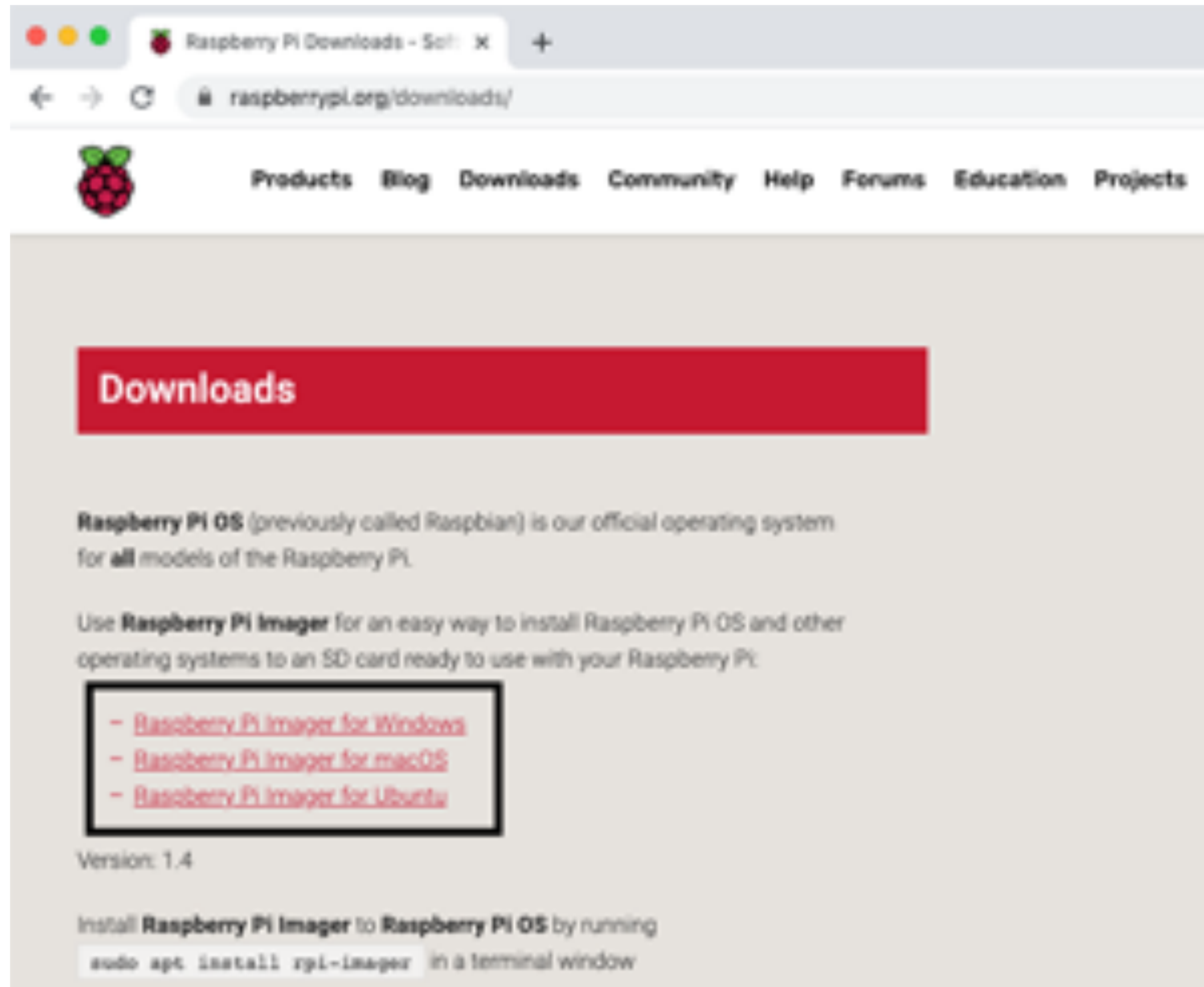
- 1) Un computador con windows, Mac OS o Linux
- 2) Un lector de SD o Micro SD
- 3) Una tarjeta SD con al menos 8 Gb de capacidad
- 4) Conexión a Internet





<https://www.raspberrypi.org/downloads/>






The screenshot shows the Raspberry Pi Downloads page in a web browser. The browser's address bar displays 'raspberrypi.org/downloads/'. The page features a navigation menu with links to Products, Blog, Downloads, Community, Help, Forums, Education, and Projects. A prominent red 'Downloads' header is followed by text stating that Raspberry Pi OS (formerly Raspbian) is the official operating system for all Raspberry Pi models. It recommends using Raspberry Pi Imager for easy installation. A box highlights three download links: Raspberry Pi Imager for Windows, macOS, and Ubuntu. Below this, it specifies 'Version: 1.4' and provides instructions to install Raspberry Pi Imager on Raspberry Pi OS using the command 'sudo apt install rpi-imager' in a terminal window.

Raspberry Pi Downloads - Soft: X +

← → ↻ raspberrypi.org/downloads/

 Products Blog Downloads Community Help Forums Education Projects

Downloads

Raspberry Pi OS (previously called Raspbian) is our official operating system for all models of the Raspberry Pi.

Use **Raspberry Pi Imager** for an easy way to install Raspberry Pi OS and other operating systems to an SD card ready to use with your Raspberry Pi:

- [Raspberry Pi Imager for Windows](#)
- [Raspberry Pi Imager for macOS](#)
- [Raspberry Pi Imager for Ubuntu](#)

Version: 1.4

Install **Raspberry Pi Imager** to **Raspberry Pi OS** by running

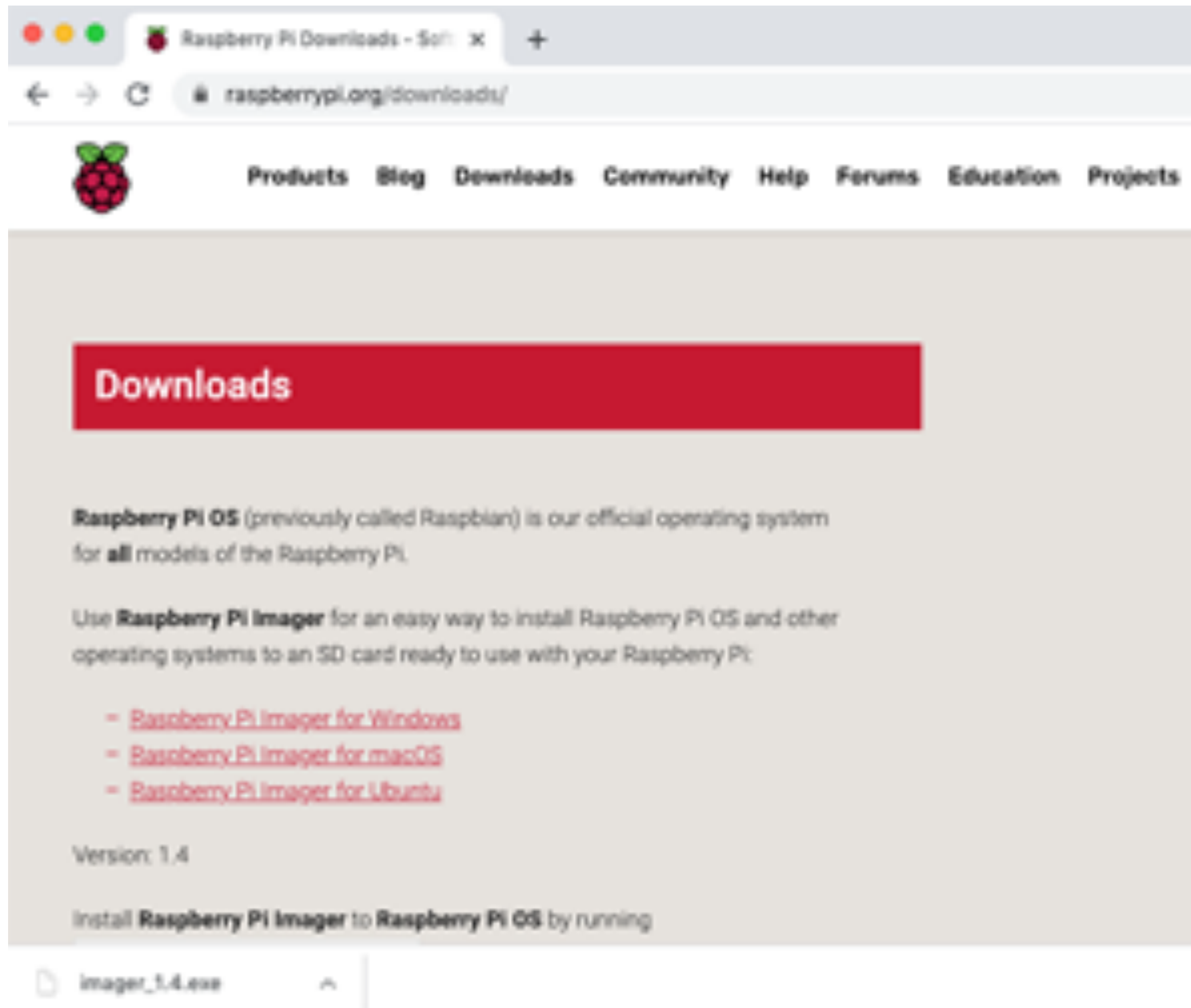
```
sudo apt install rpi-imager
```

in a terminal window



<https://www.raspberrypi.org/downloads/>



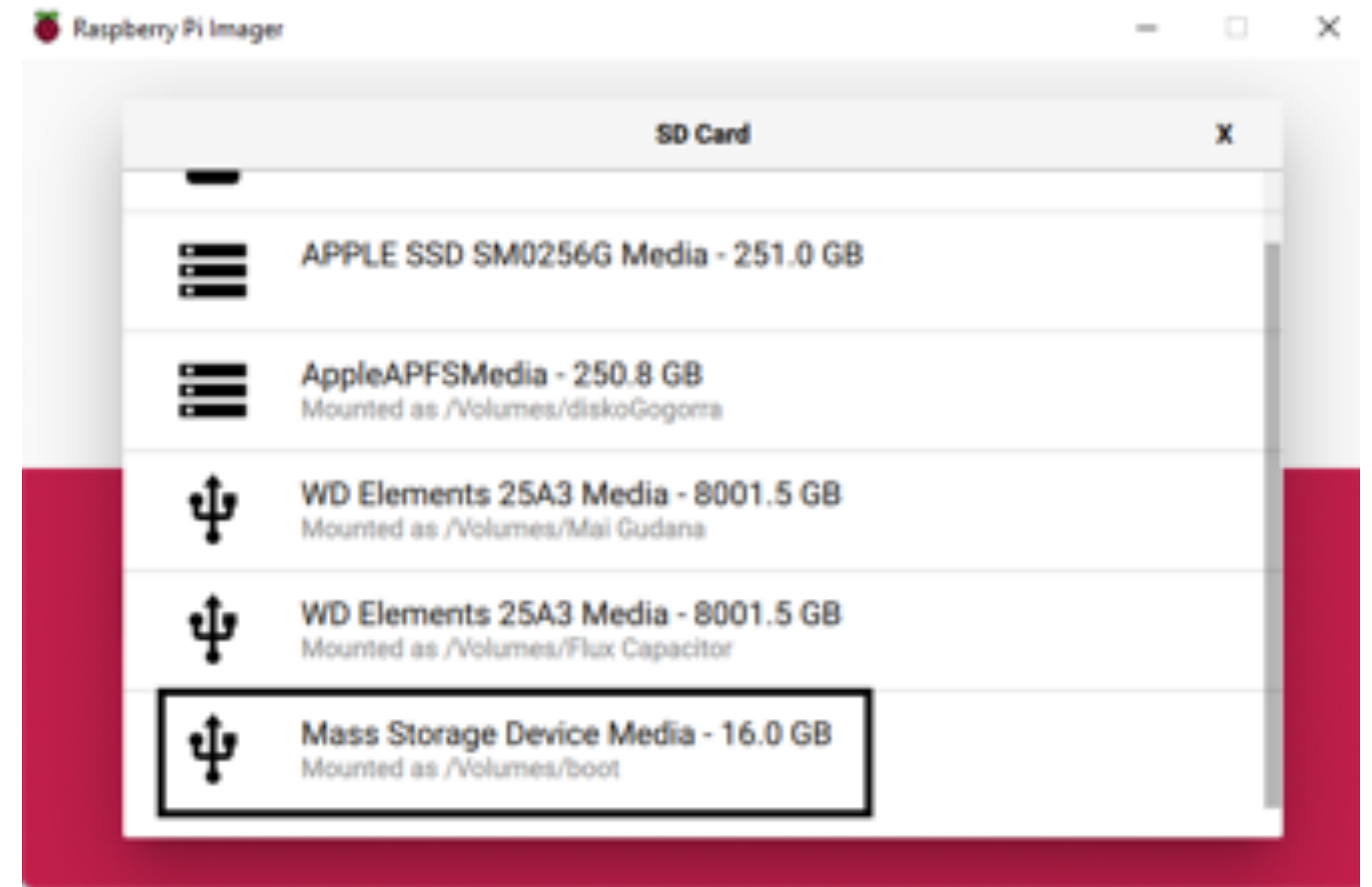
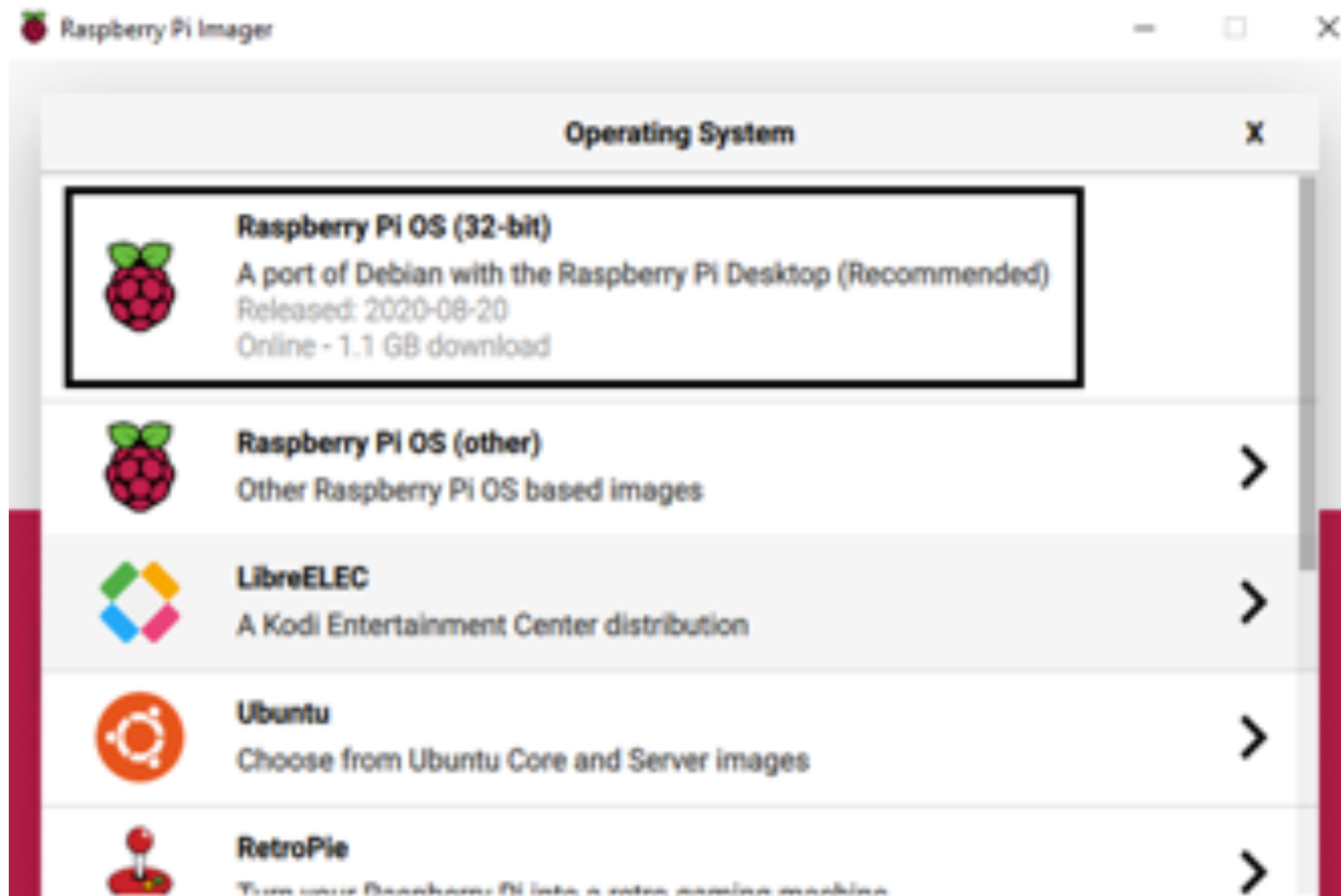


<https://www.raspberrypi.org/downloads/>



LO QUE NECESITARÁS – CONFIGURANDO LA TARJETA SD

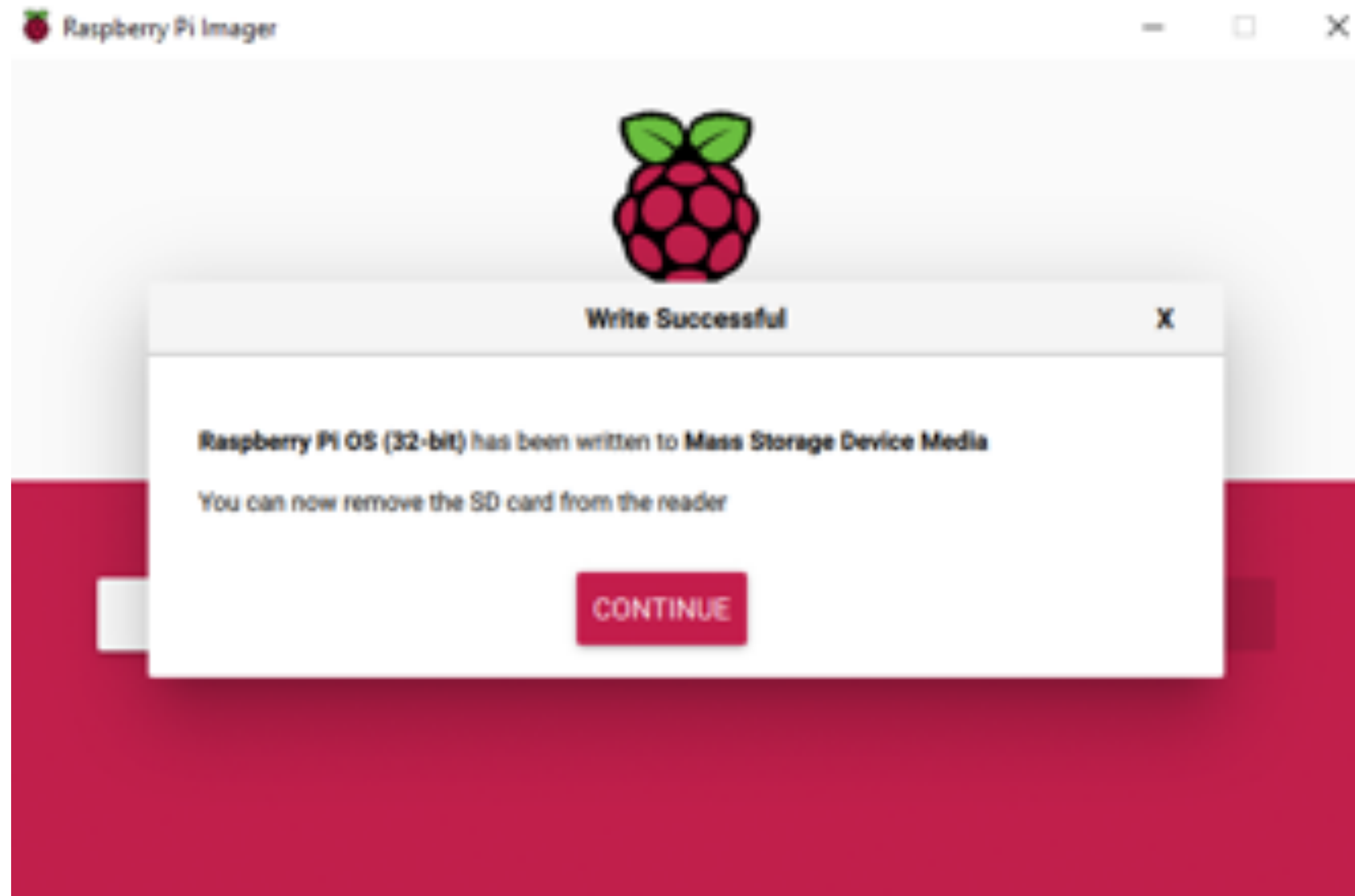
47

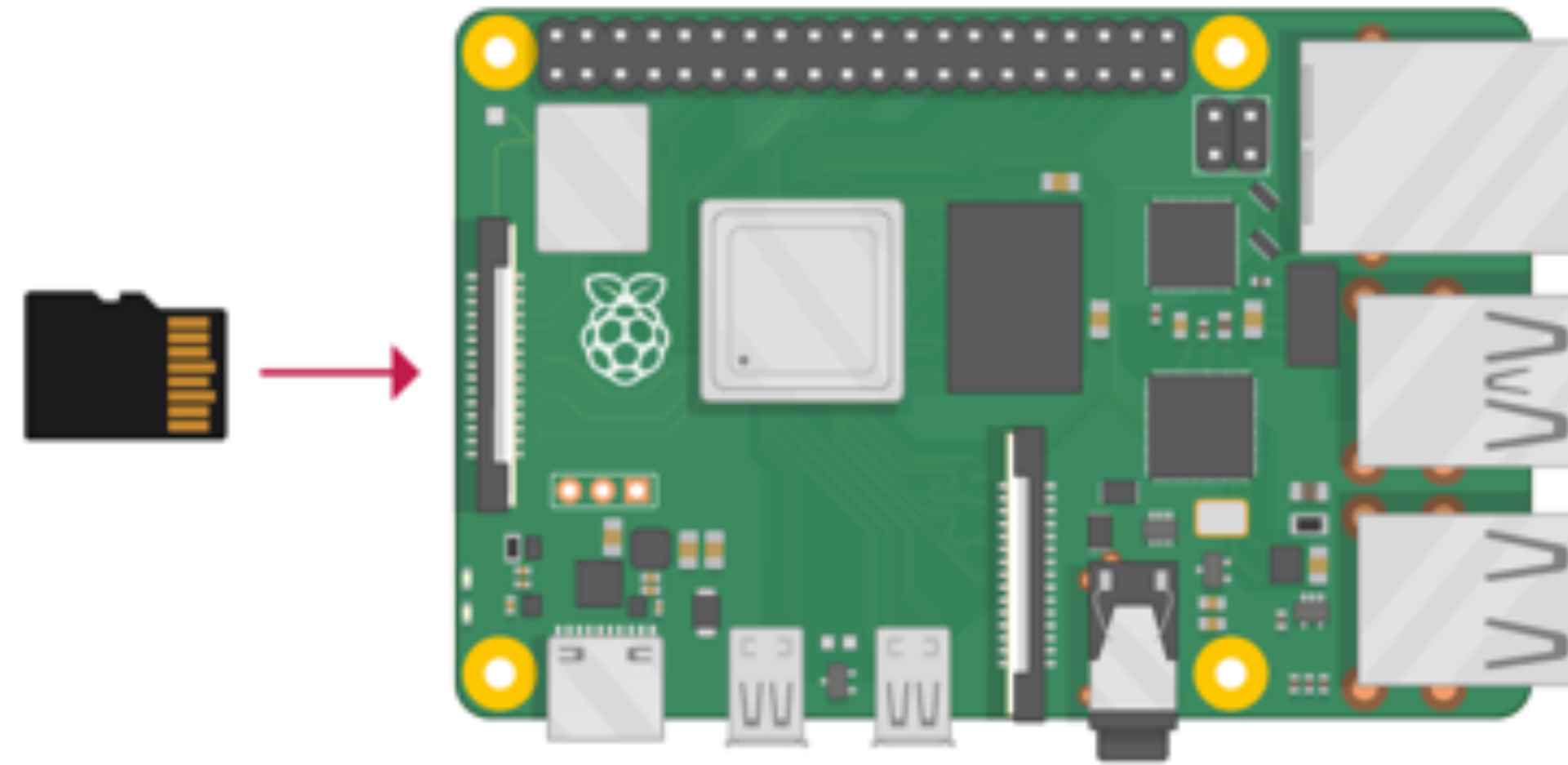


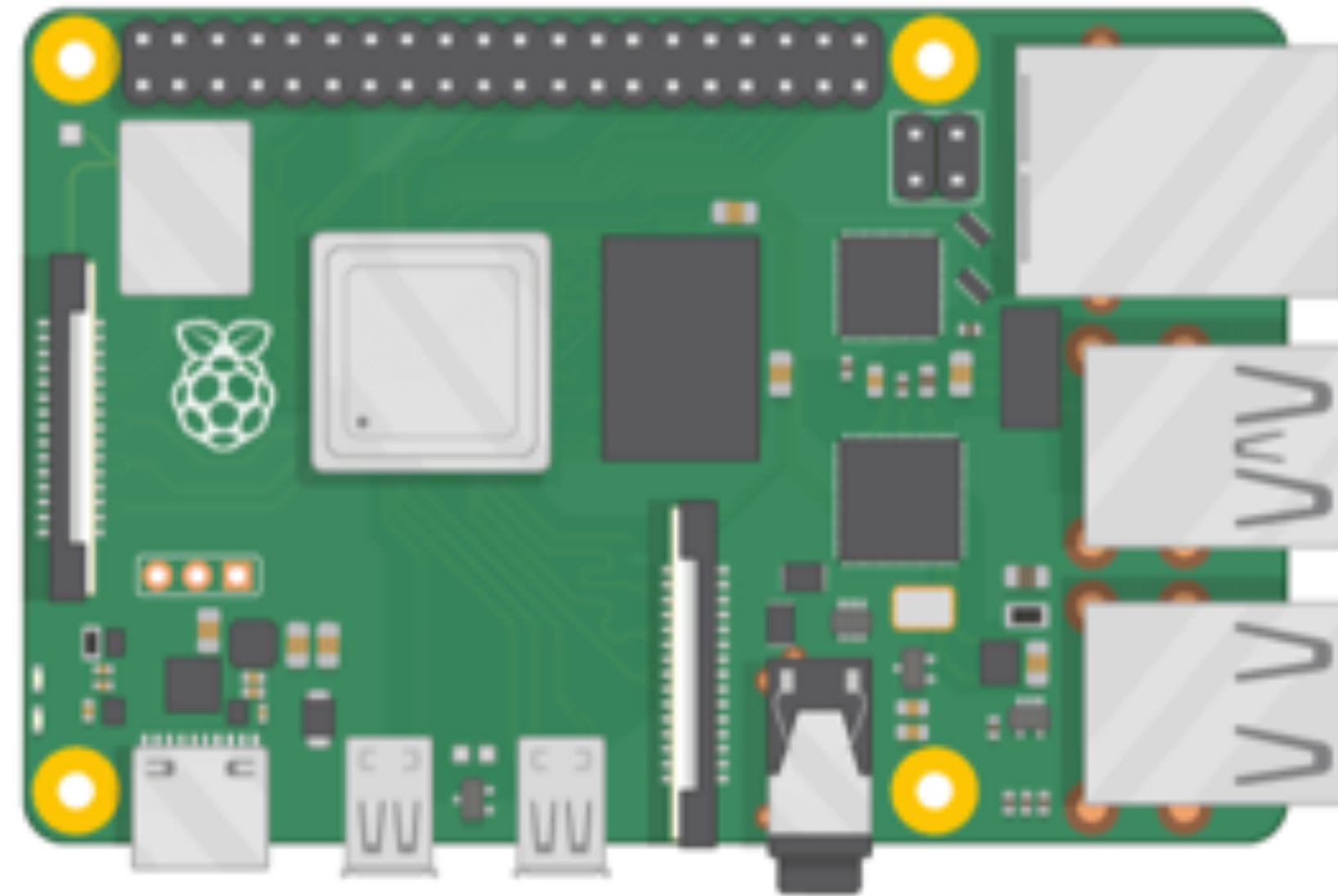


LO QUE NECESITARÁS – CONFIGURANDO LA TARJETA SD

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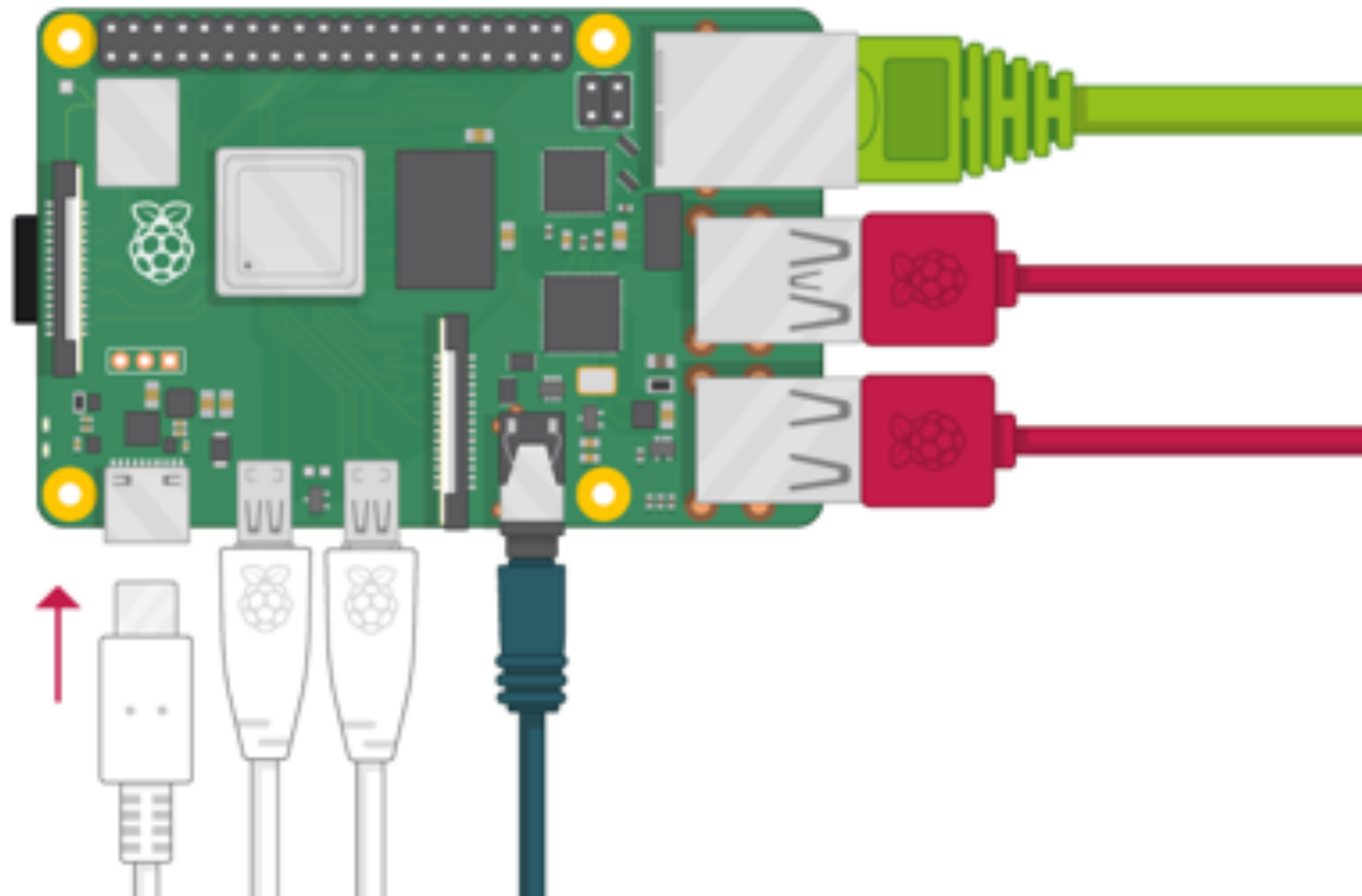
Configuración

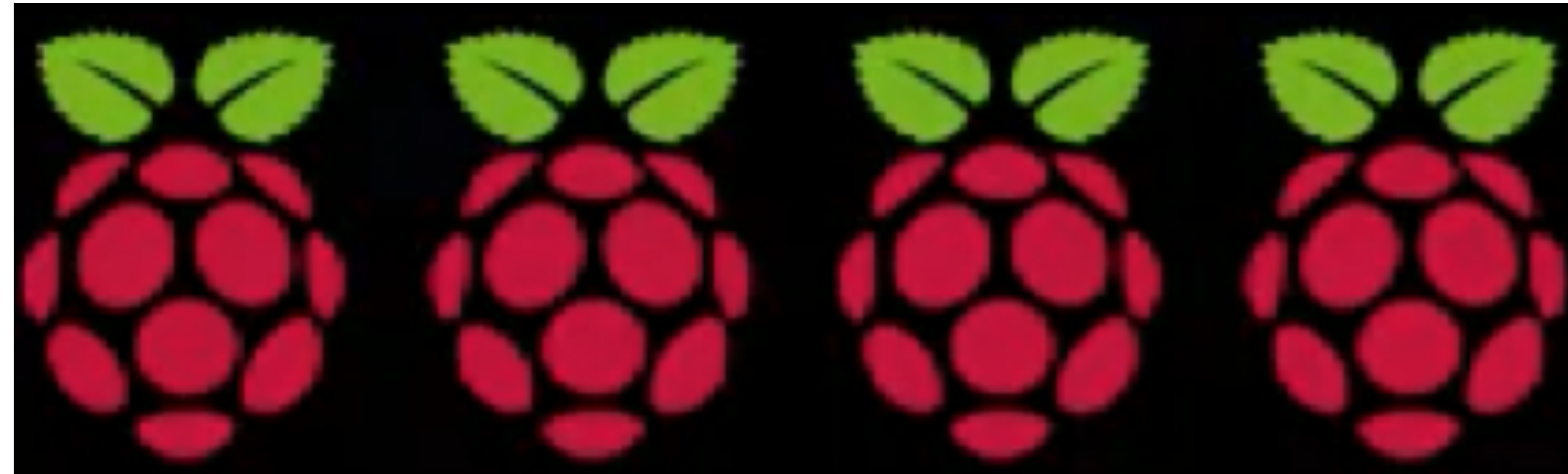
“Iniciando por primera vez el Raspberry Pi”



INICIANDO POR PRIMERA VEZ EL RASPBERRY PI

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INICIANDO POR PRIMERA VEZ EL RASPBERRY PI

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The screenshot shows a window titled "Welcome to Raspberry Pi" with standard window controls. The main heading is "Set Country". Below it, a paragraph explains: "Enter the details of your location. This is used to set the language, time zone, keyboard and other international settings." There are three dropdown menus: "Country:" set to "United Kingdom", "Language:" set to "British English", and "Timezone:" set to "London". Below these are two unchecked checkboxes: "Use English language" and "Use US keyboard". At the bottom, a text prompt says "Press 'Next' when you have made your selection." and there are "Back" and "Next" buttons.

Welcome to Raspberry Pi

Set Country

Enter the details of your location. This is used to set the language, time zone, keyboard and other international settings.

Country: United Kingdom

Language: British English

Timezone: London

☐ Use English language ☐ Use US keyboard

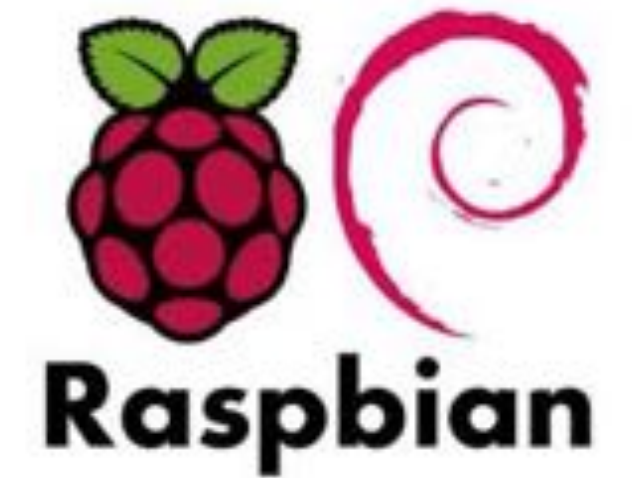
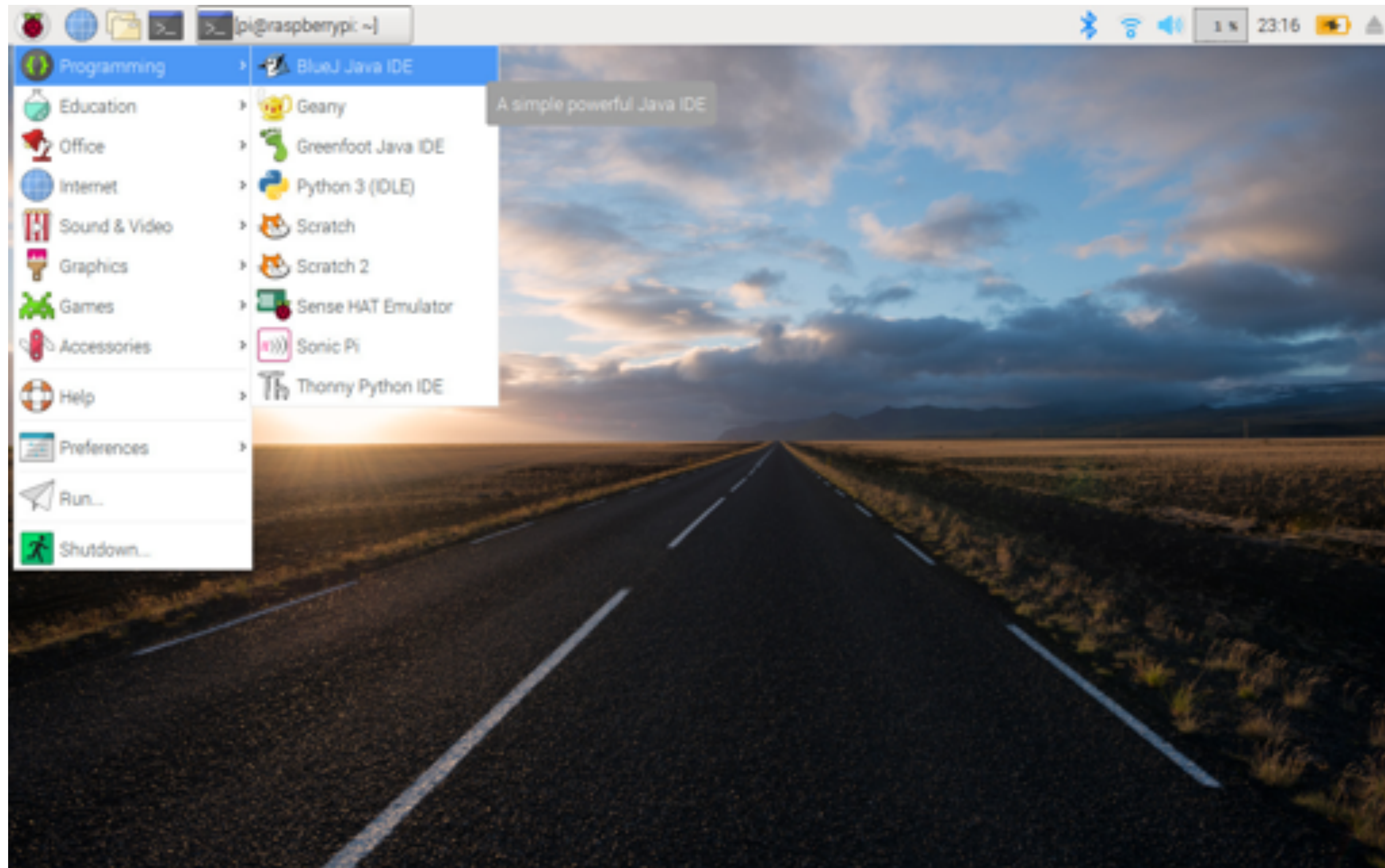
Press 'Next' when you have made your selection.

Back Next



INICIANDO POR PRIMERA VEZ EL RASPBERRY PI

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“Nos apasiona crear comunidades
que aprendan colaborativamente.”





OBJETIVOS DE DESARROLLO SOSTENIBLE



OBJETIVOS **S DE DESARROLLO SOSTENIBLE**





OBJETIVOS DE DESARROLLO SOSTENIBLE





OBJETIVOS DE DESARROLLO SOSTENIBLE



OBJETIVOS **DE DESARROLLO SOSTENIBLE**





OBJETIVOS DE DESARROLLO SOSTENIBLE







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