

ARDUINO VS RASPBERRY PI - KEY

1. On which Arduino board is this tutorial focused?

It is focused on Arduino Uno, based on the ATmega 328.

2. Where is your C-code compiled?

It is compiled into a machine language and then it runs on the Arduino itself.

3. What is the meaning of SBC? Does this term refer to Arduino or Raspberry Pi?

Single Board Computer. It refers to Raspberry Pi.

4. Which one has more in common with your computer, Arduino or Raspberry Pi?

Raspberry Pi.

5. What is the operating system of the Raspberry Pi?

Linux

6. What do microcontrollers and microprocessors have in common?

They both have a CPU, timers and memory and IO pins.

7. What is the main difference between a microcontroller and a microprocessor?

Microcontrollers tend to have a strong I/O capability so that they can drive external hardware directly. Microprocessors tend to have a weak I/O which need transistors to drive most hardware.

8. How is the Uno's RAM measured? And the Pi's RAM?

The first one is measured in Kilobytes. The second one is measured in hundreds of Megabytes.

9. For which projects is better the Arduino than the Raspberry?

Motors, character LCDs and sensors.