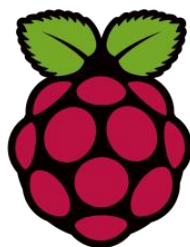




Here are some general information about Raspberry PI from its official website and other websites. I tried to keep it as short as possible so every member of tranquillum can read it in 5-10 mins. From now on we would explicitly mention to Raspberry rather than BeagleBoard in our design documents. Later we may visit the SRS document and edit the info. about the BeagleBoard.

Let us first be familiar with its logo :D

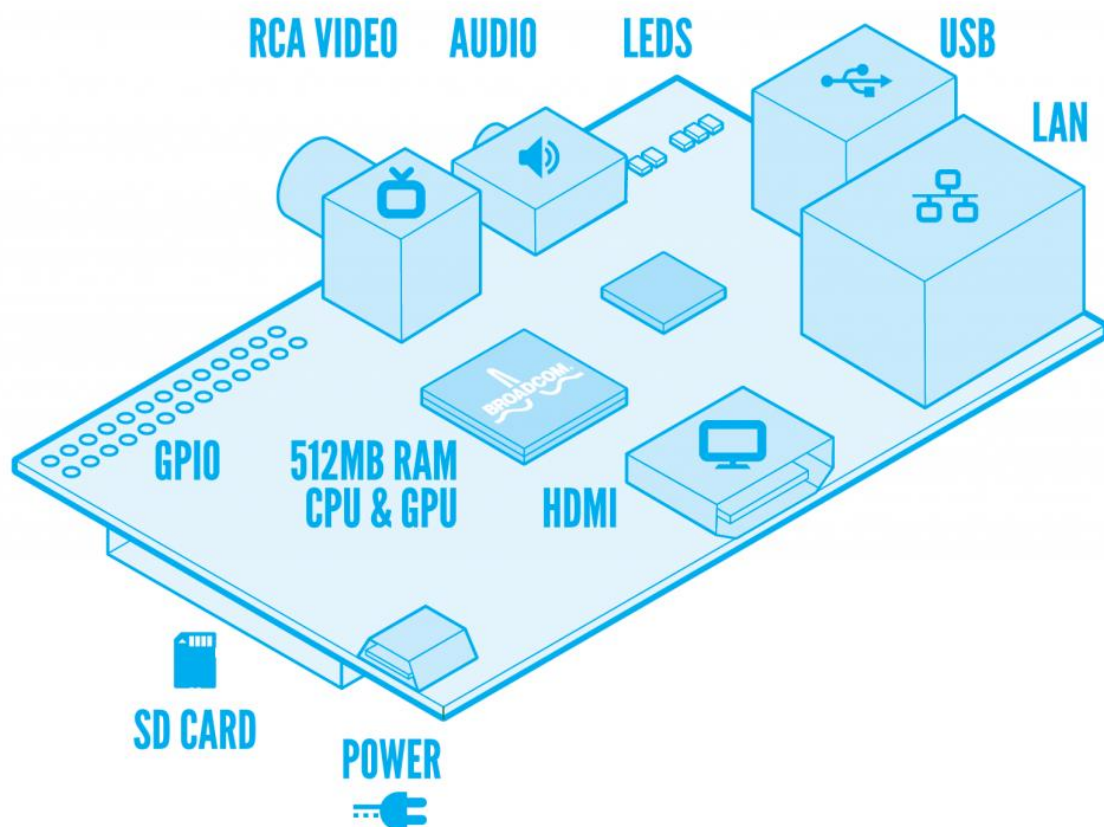


What's a Raspberry Pi?

The Raspberry Pi is a credit-card sized computer that plugs into your TV and a keyboard. It's a capable little PC which can be used for many of the things that your desktop PC does, like spreadsheets, word-processing and games. It also plays high-definition video. We want to see it being used by kids all over the world to learn programming.

Please watch the video on Youtube http://www.youtube.com/watch?v=6BbufUp_HNs

RASPBERRY PI MODEL B



What's the difference between Model A and Model B?

- Model A has 256Mb RAM, one USB port and no Ethernet (network connection).
- **Model B has 512Mb RAM, 2 USB port and an Ethernet port.** [I hope this is our model 😊]

How does it boot?

You have to boot from SD but a USB HD can “take over” after the initial boot. You cannot boot without an SD card.

Where's the on / off switch?

To switch on: just plug it in!

To switch off: remove power.

How do I connect a mouse and keyboard?

Model A has one USB port and Model B has 2. Beyond this, mice, keyboards, network adapters and external storage will all connect via a USB hub.

What display can I use?

There is composite and HDMI out on the board, so you can hook it up to an old analogue TV, to a digital TV or to a DVI monitor (using a cheap adapter for the DVI). There is no VGA support, but adaptors are available, although these are relatively expensive.

What operating system (OS) does it use?

We recommend **Debian** as our default distribution. It's straightforward to replace the root partition on the SD card with **another ARM Linux distro** if you want to use something else (there are several available on our [downloads](#) page). **The OS is stored on the SD card.**

Does it have an official programming language?

By default, we'll be **supporting Python** as the educational language.

Any language which will compile for ARMv6 can be used with the Raspberry Pi, though; so you're not limited to using Python.

Will it run WINE (or Windows, or other x86 software)?

No.

SD cards and storage

We have tried cards up to 32GB and most cards seem to work OK. The Wiki has more information about which makes and models work best. You can also attach a USB stick or USB hard drive for storage. **The minimum sized SD card you can use is 2GB, but it is recommended to use at least 4GB if you want to additional programs to the image.**

Does the device support networking? Is there Wi-Fi?

The Model B version of the device includes 10/100 wired Ethernet. There is no Ethernet on the Model A version (which we expect to be taken up mostly by the education market), but Wi-Fi will be available via a standard USB dongle.

For more info please visit the following websites:

- **Offical Webpage**

<http://www.raspberrypi.org/faqs>

- **The official Twitter account for the Raspberry Pi Foundation.**

https://twitter.com/Raspberry_Pi

- **Ordering**

<http://uk.farnell.com/raspberry-pi>

- **Raspberry Pi Tutorials (The first **THREE** links)**

http://www.youtube.com/results?search_query=Raspberry+Pi+Tutorials&og=Raspberry+Pi+Tutorials&gs_l=youtube-reduced.3..0.492707.492707.0.493169.1.1.0.0.0.120.120.0j1.1.0...0.0...1ac.1.IK7zxVbMryQ