

After the break...

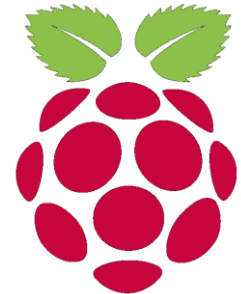
“Raspberry PI”

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Raspberry PI: What is it?

- Inexpensive, low power computer (\$34 for Model B, \$5-\$12 for Zero)
- Credit card-sized single-board computers for teaching & experiments
- USB for keyboard
- Video to CRT or HDTV
- OS is typically Linux
- GPIO (general purpose input/output) pins along the edge of the board allow PI to receive data and/or control external devices



Raspberry Pi : Some Examples

Raspberry Pi 1



Raspberry Pi 1 Model B+

Release date	February 2012
Introductory price	US\$25 (model A), US\$20 (model A+), US\$35 (model B, B+), US\$30 (CM)
Operating system	Linux, RISC OS, FreeBSD, NetBSD, Plan 9, Inferno
CPU	700 MHz single-core ARM1176JZF-S (model A, A+, B, B+, CM) ^[1]
Memory	256 MB ^[2] (model A, A+, B rev1) 512 MB (model B rev2, B+, CM) ^[3]
Storage	SDHC slot (model A and B), MicroSDHC slot (model A+ and B+), 4 GB eMMC IC chip (model CM)
Graphics	Broadcom VideoCore IV ^[1]
Power	2.5 W (model A), 1.0 W (model A+), 3.5 W (model B) or 3.0 W (model B+)

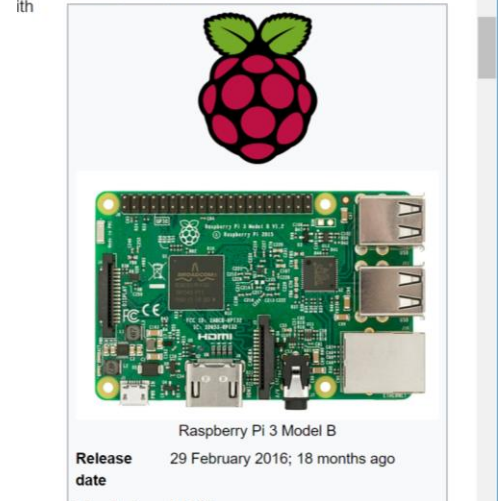
Raspberry Pi 2



Raspberry Pi 2 Model B

Release date	February 2015
Introductory price	US\$35
Operating system	Same as for Raspberry Pi 1 plus Windows 10 and additional variants of Linux such as Ubuntu and Android
CPU	900 MHz quad-core ARM Cortex-A7
Memory	1 GB RAM
Storage	MicroSDHC slot
Graphics	Broadcom VideoCore IV
Power	4.5 to 5.5 W

Raspberry Pi 3 Model B (latest version)



Raspberry Pi Zero



Raspberry Pi : What is it?

- Where to get it?
 - <http://www.adafruit.com/>
- Where can I learn more?
 - <http://www.raspberrypi.org/community/>
 - <http://search.oreilly.com/?q=pi&x=0&y=0>
- What can I do with it?
 - <http://www.instructables.com/id/Raspberry-Pi-Projects/>
 - <https://hackaday.io/projects/tag/raspberry%20pi>

