Raspberry Pi 好好玩
- 應用篇

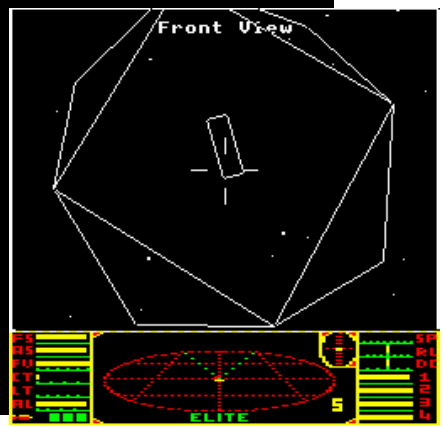
台灣樹莓派 <sosorry@raspberrypi.com.tw>

Nov 05, 2013/NTU

about 台灣樹莓派

- e 絡盟指定個人用戶經銷商
- 專注於 Raspberry Pi 應用與推廣
- Maker Faire 2013, PyCon 2013, 2013 科學玩意節
- 舉辦台灣第一次 Raspberry Pi 社群聚會

以前的電腦



http://goo.gl/U1aq9E

現在的電腦

COMPAQ

Eee PC 1005PX

上午9:41
信息
日历
照片
相机
视频
地图
天气
Passbook
备忘录
提醒事项
时钟
股市
报刊杂志
App Store
Game Center
设置
电话
邮件
Safari
音乐

GSS
iTweet
JiveTalk
My-Cast
Socialthing!
Translate
Weather.com
WESH.com
earthscape
FreecellLite
Movies
Now Playing
Showtimes
midomi
Restaurants
WeatherBug
Pandora
PegJump
RDP
Remote
Shanghai
Shazam
Sudoku
Twittelator
AirSharing
AOL Radio
Bible
CannonGame
eBay
Evernote
Google
Hanoi
LED Football
Mobile News
Othello
Dropbox
Bubbles
BubbleWrap
CrazyMouthL
Jared
Koi Pond
Lightsaber
magic8ball
Moo
Mensajes
Contactos
Fotos
Cámara
YouTube
Calendario
Mapas
Tiempo
Calculadora
Notas
Reloj
Ajustes
Notas de voz
iTunes
App Store
Brújula

XBOX 360

MINI TV for android
Dual-Core A9 Processor

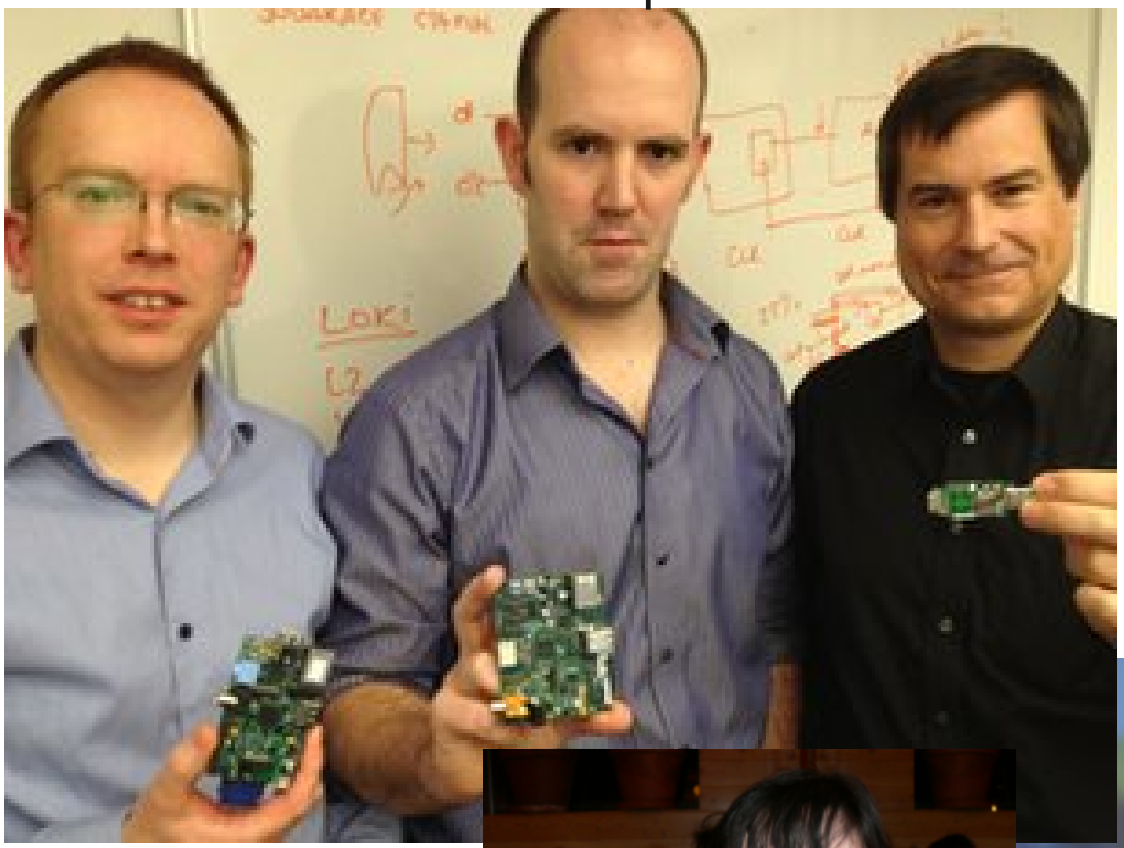
SONY
12:34
Twitter
Email
Music
Weather

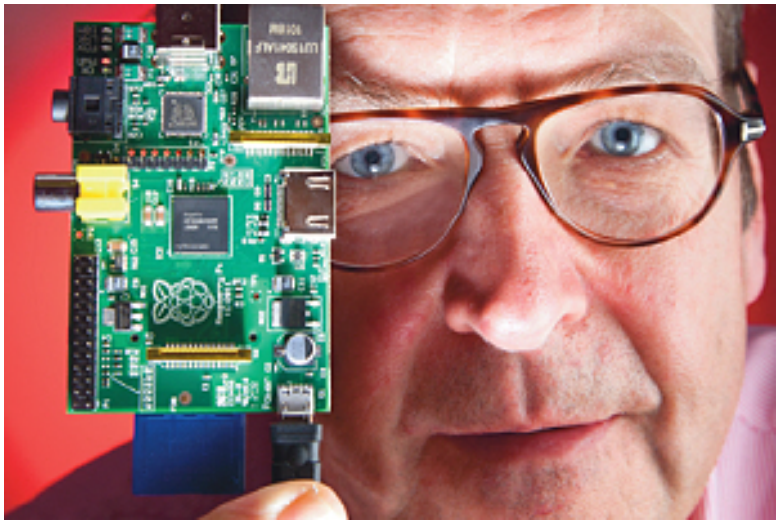
THE VERGE

裝置越來越聰明
人卻越來越糊塗

資訊科學系的學生不懂電腦？

Robert Mullins Eben Upton David Braben





Jack Lang

Alan Mycroft

Liz

A criação do Raspberry Pi - com Pete Lomas - Palco Principal - Campus Party Brasil - 01/02/2013 - Foto: Flávia de Quadros/indicefoto

Pete Lomas

Raspberry Pi 是什麼？

- 信用卡大小般的電腦

http://www.flickr.com/photos/fotero/7697063016/

Raspberry Pi 是 ...

- Raspberrypi.org 基金會所設計開發
- 以低價硬體 & 自由軟體刺激電腦科學教育
- 公開的 datasheet & 線路圖 & 原始碼
- 由 Element14/RS Components/Egoman 生產製造

e络盟 element14

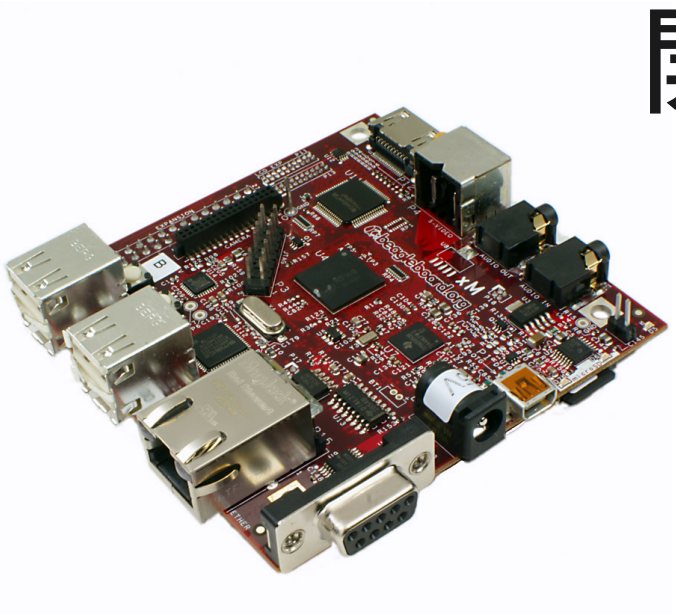
RS Component

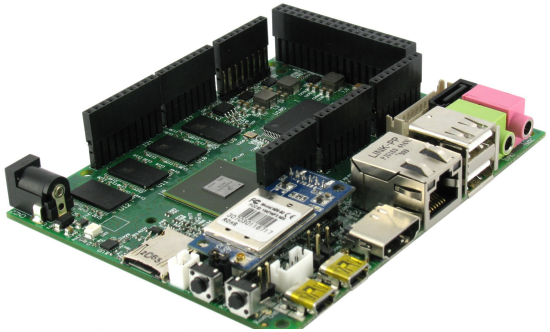
EGOMAN

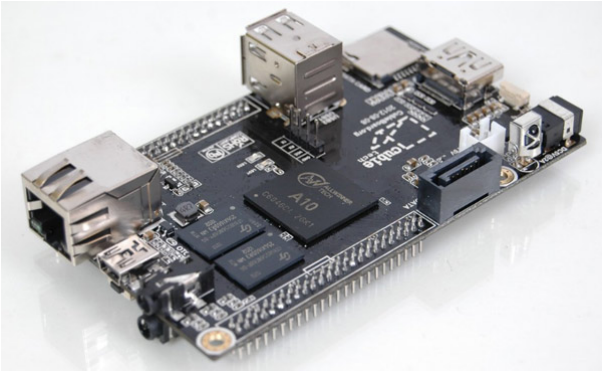
Raspberry Pi 硬體規格 (Model B)

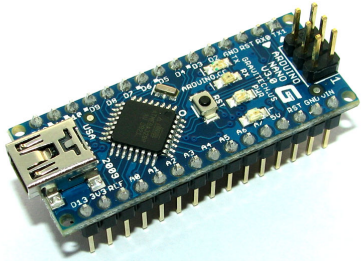
- SoC Broadcom BCM2835
  - CPU: ARM11 family, 700 MHz
  - GPU: Broadcom VideoCore IV, OpenGL ES 2.0, 1080p30 H.264/MPEG-4 AVC decoder
  - Memory: 512 Mb SDRAM
- Video outputs: Composite, HDMI
- Audio outputs: 3.5 mm jack, HDMI
- Onboard storage: SD, MMC, SDIO card slot
- Onboard 10/100 Ethernet RJ45

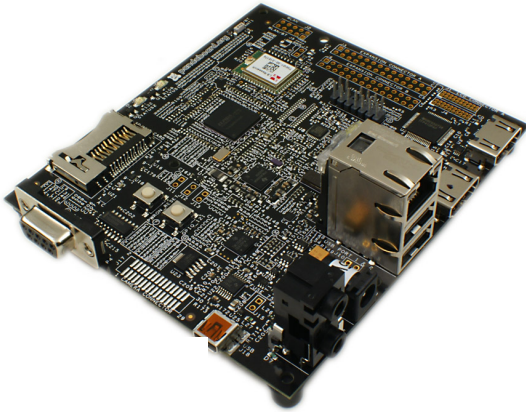
開發板百百種

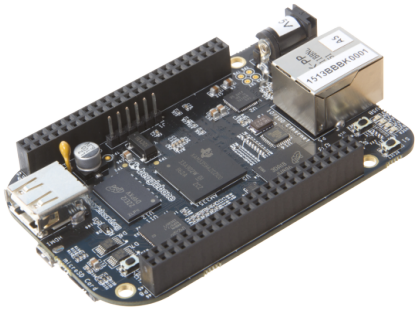


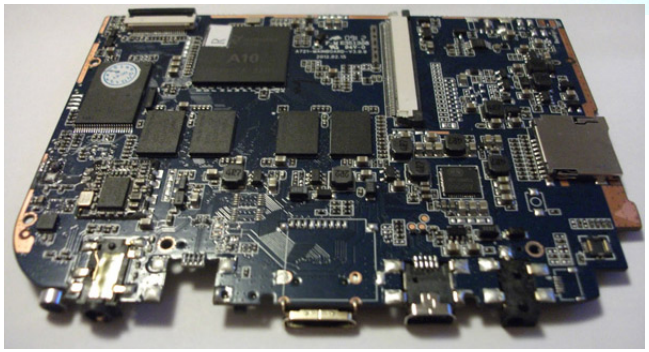




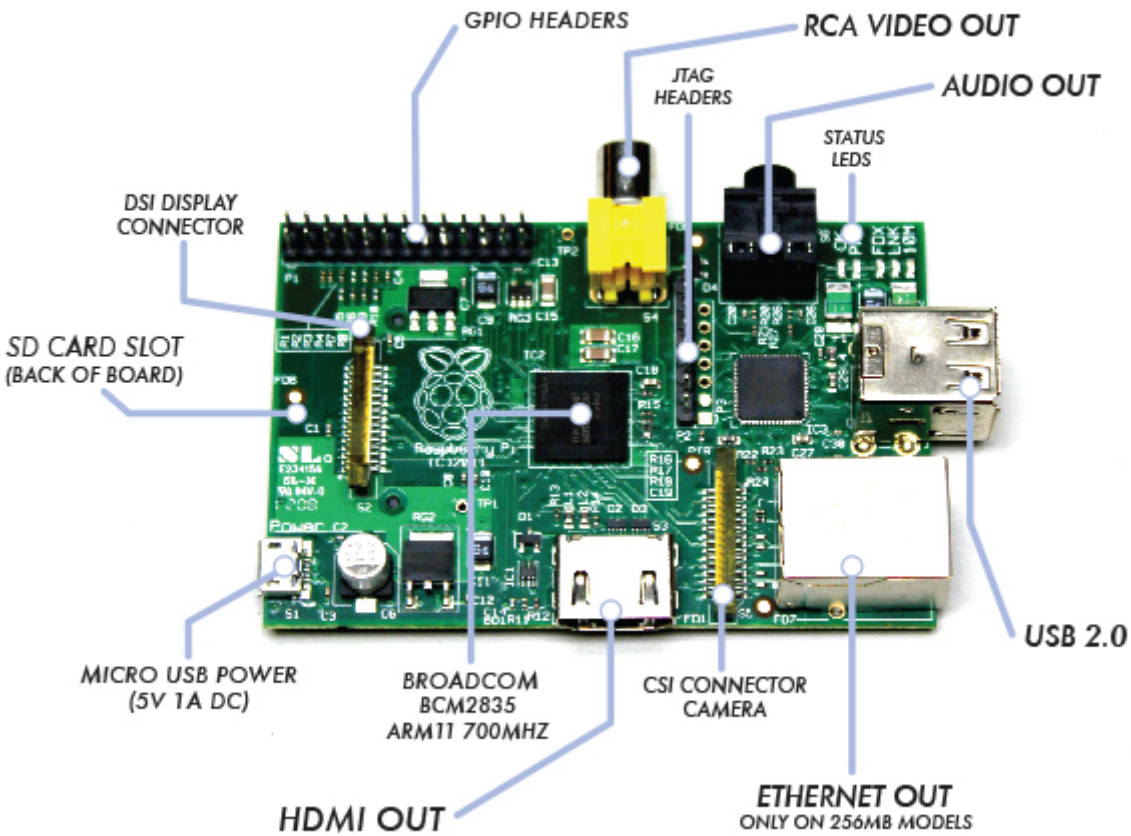








Raspberry Pi 硬體週邊



http://www.sparkfun.com/tutorials/372

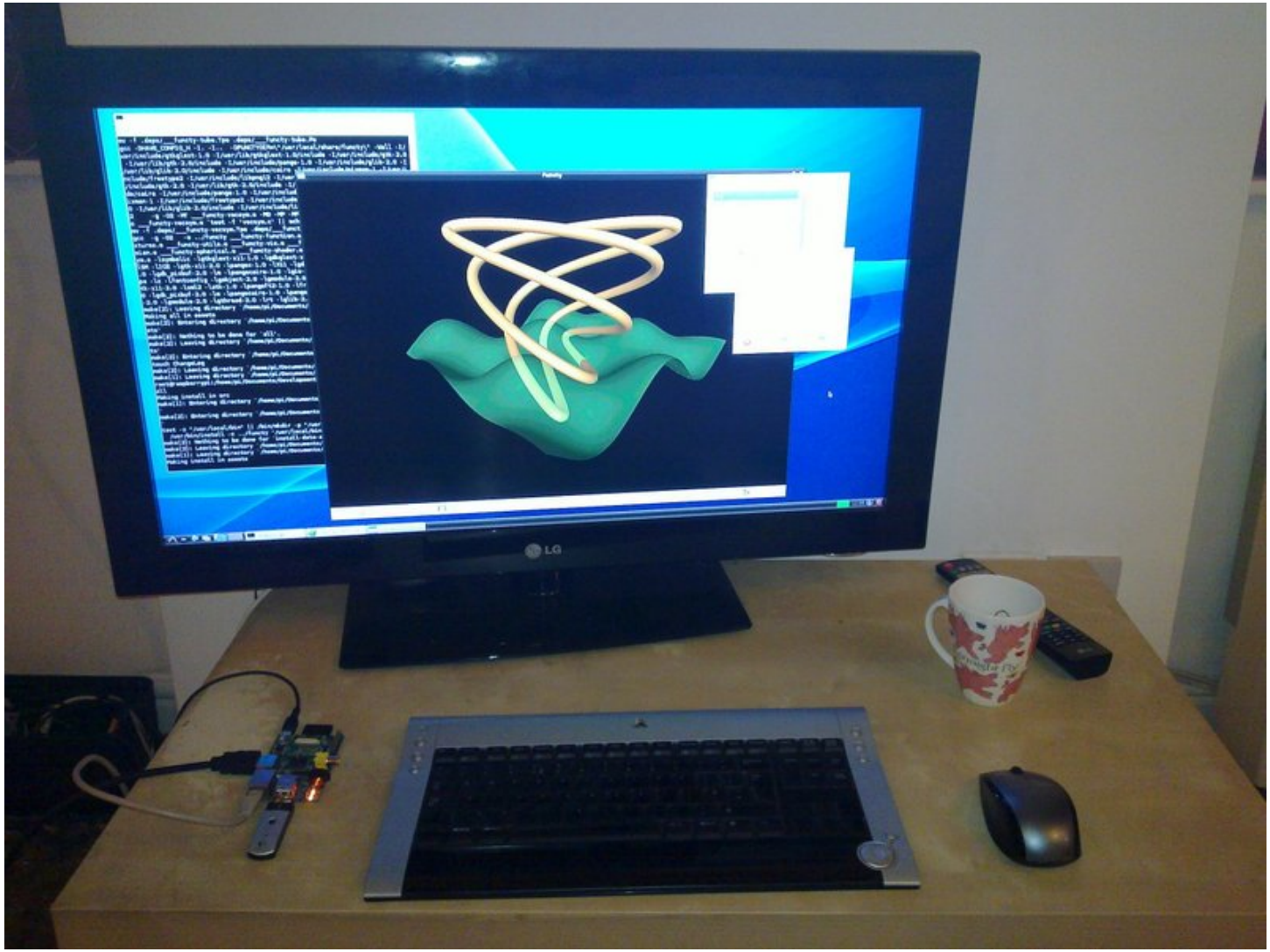
OK, 還需要什麼？

... 週邊裝置 + OS

http://www.raspberrypi-tutorials.co.uk/starting-up-your-raspberry-pi-device/set-raspberry-pi/

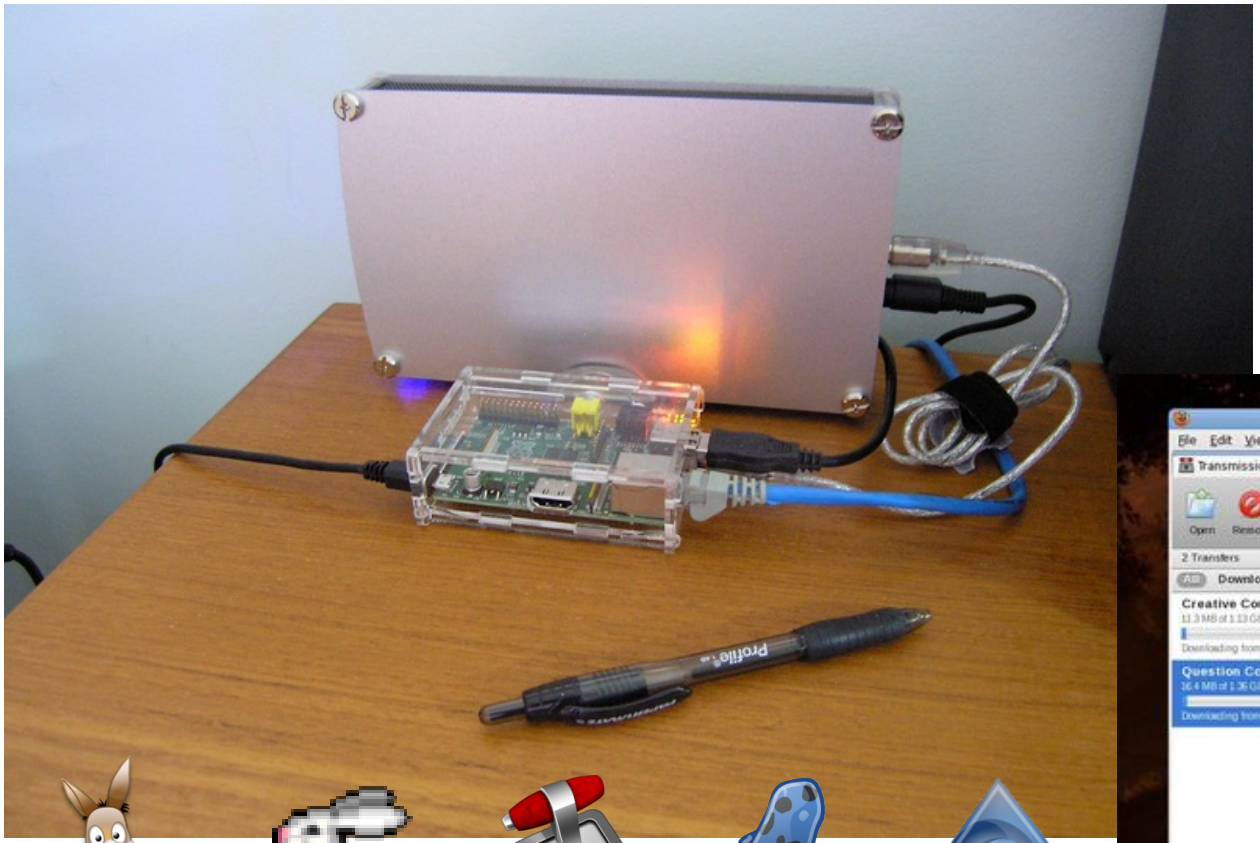
Raspberry Pi 怎麼玩？

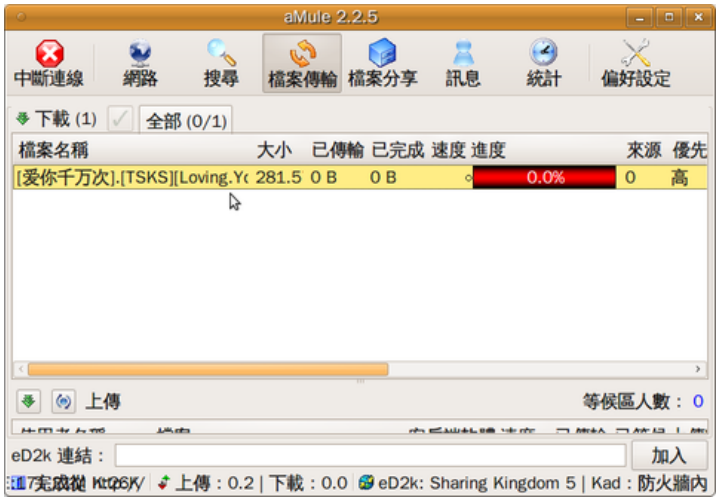
文書處理上網機

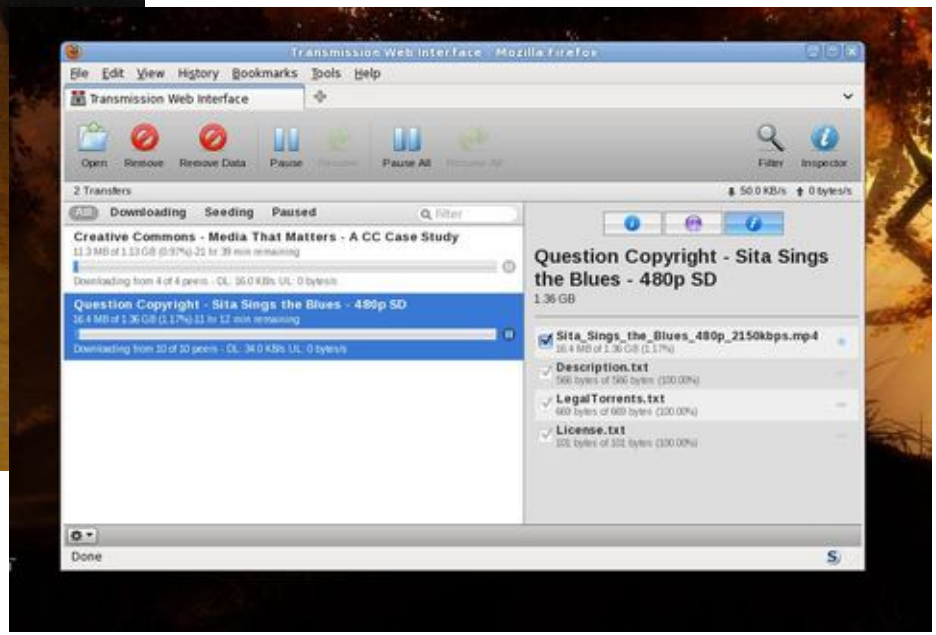


http://functy.sourceforge.net/?p=328

BT 動物下載機







http://lcorg.blogspot.tw/2012/10/my-raspberry-pi-adventure.html

阿宅攜帶式電腦

http://blog.parts-people.com/2012/12/20/mobile-raspberry-pi-computer-build-your-own-portable-rpi-to-go/

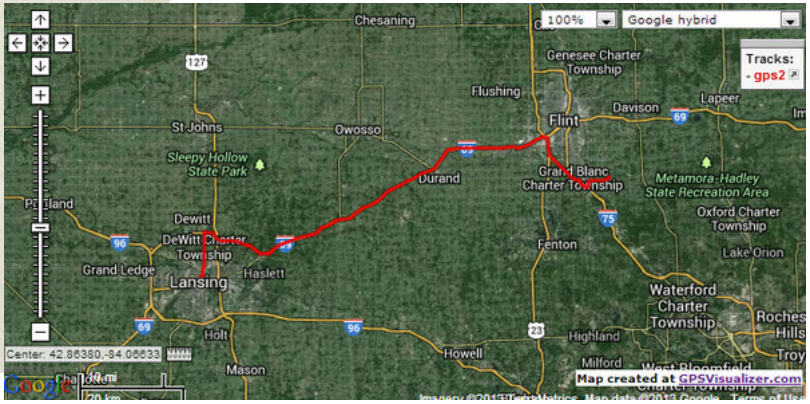
行動無線路由器

http://draalin.com/raspberry-pi-projects

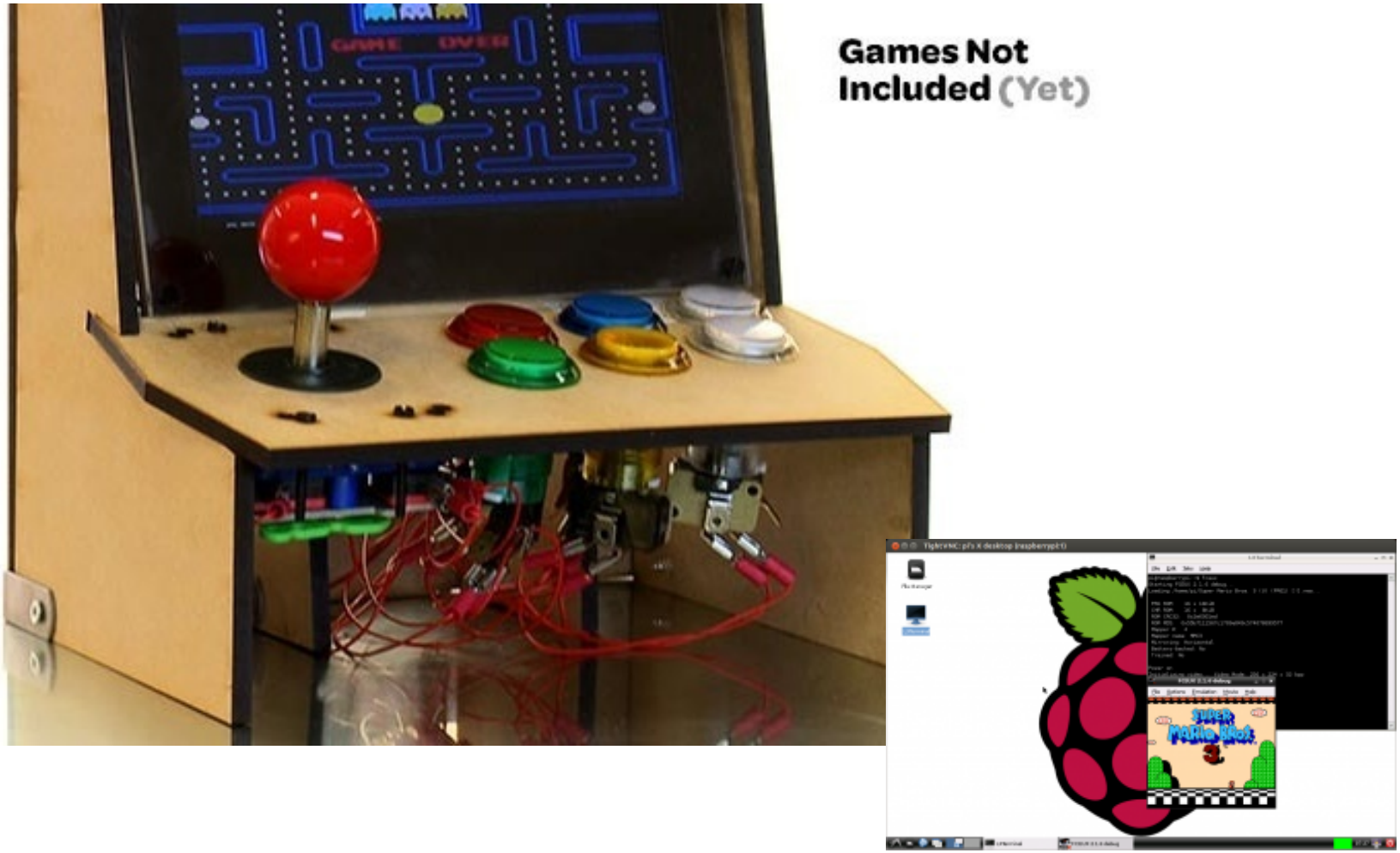
無人自動監視器

http://www.flickr.com/photos/wolfpaulus/8024332721/

衛星導航系統 PiPiGo



回味古早遊戲機



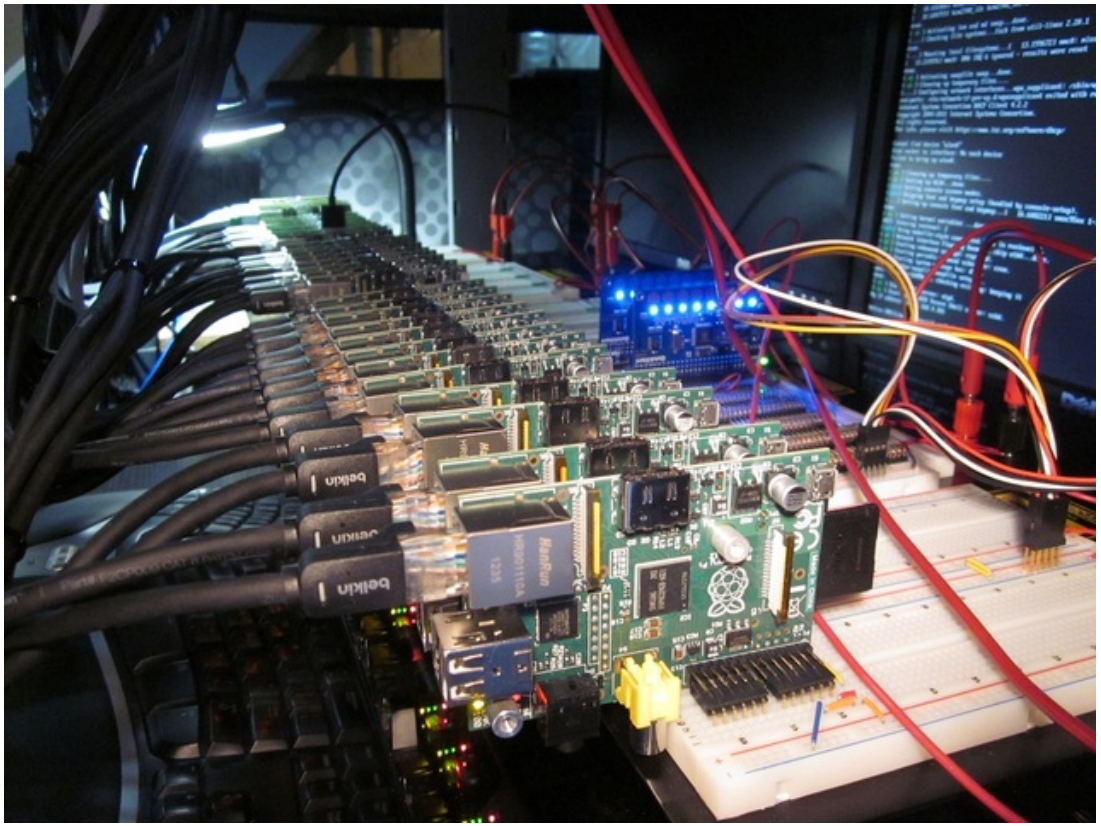
http://blog.sheasilverman.com/2013/08/friday-post-my-book-raspberry-pi-gaming-now-available-for-pre-order/

多媒體娛樂中心

http://geekify.me/turn-your-raspberry-pi-into-a-full-fledged-media-centre-with-xbmc/

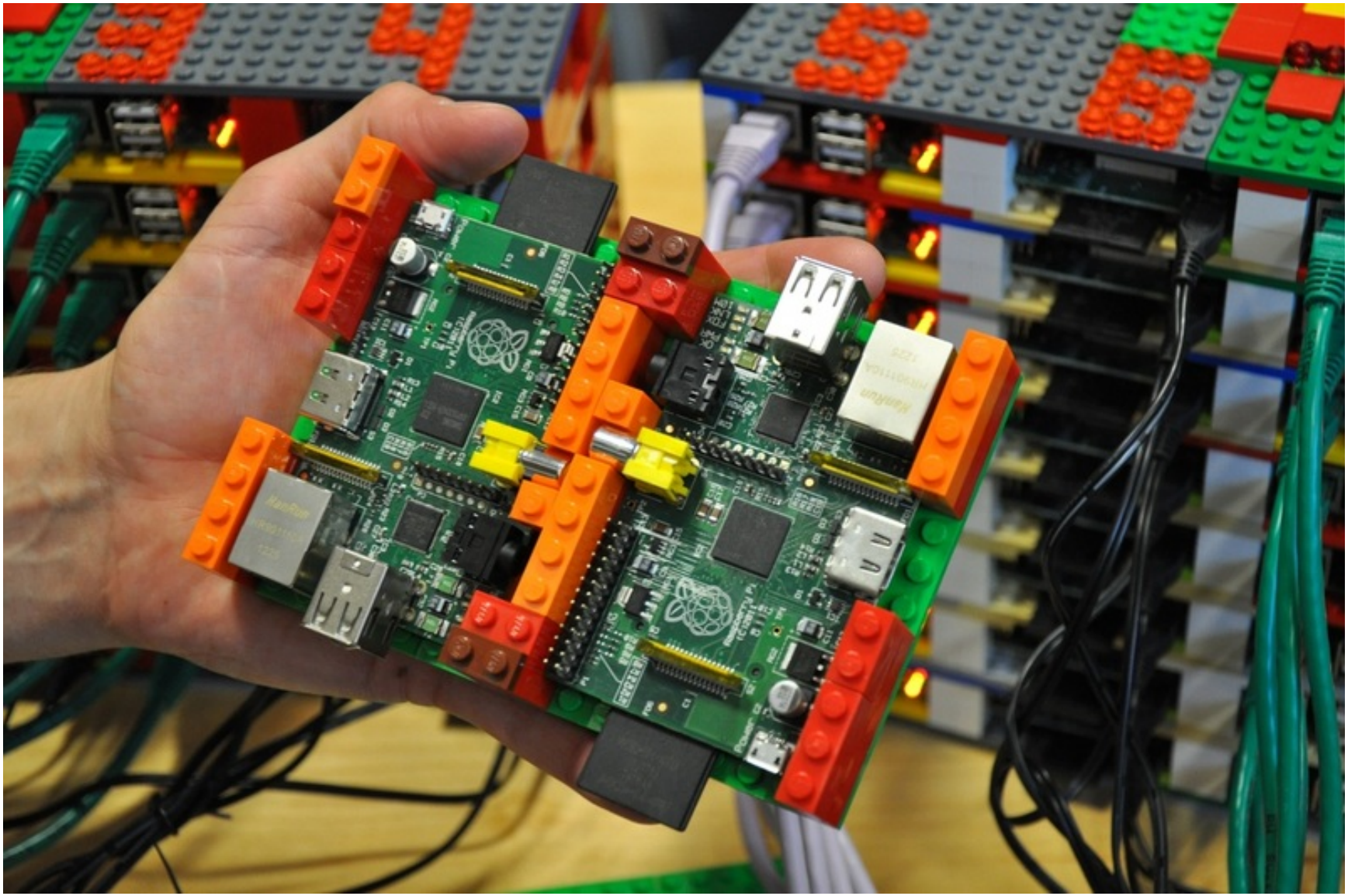
節能省電伺服器

- Web Server
- Mail Server
- FTP Server
- File Server
- VPN Server
- Printer Server
- Git Server



http://eclipsejpa.blogspot.tw/2012/11/java-7-se-parallel-processing-cluster.html

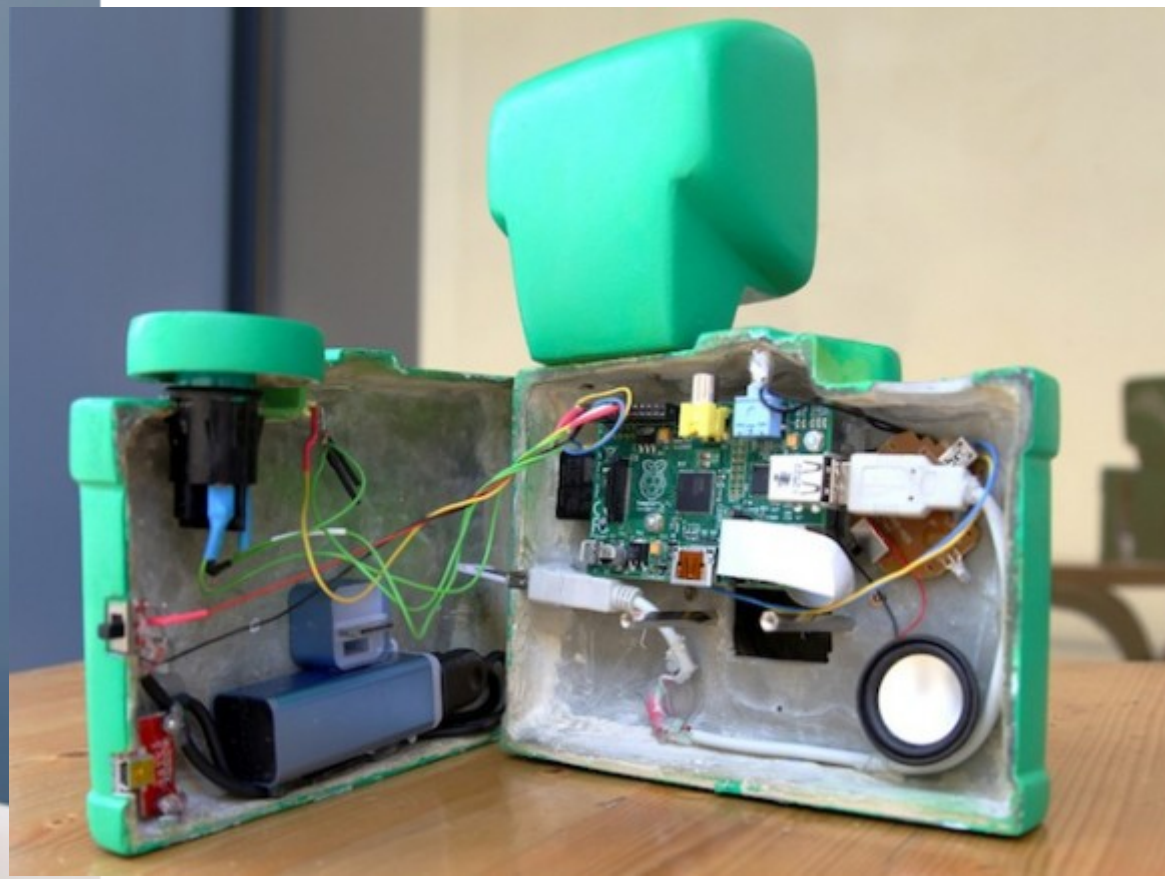
平行處理運算叢集



http://arstechnica.com/information-technology/2012/09/university-builds-cheap-supercomputer-with-raspberry-pi-and-legos/

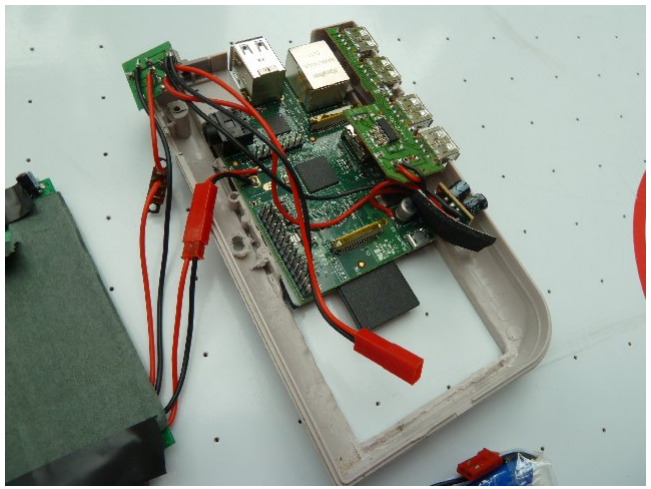
Raspberry Pi 還可以怎麼玩？

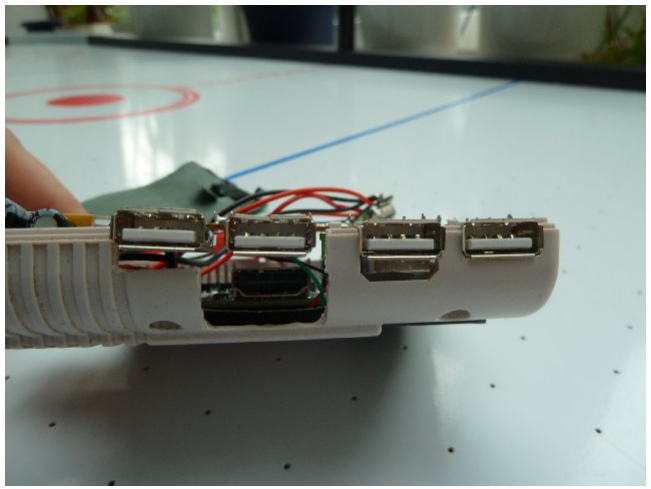
樹莓派數位相機



http://gizmodiva.com/home_gadgets/sprites-raspberry-pi-camera-part-advertising-part-diy-project.php

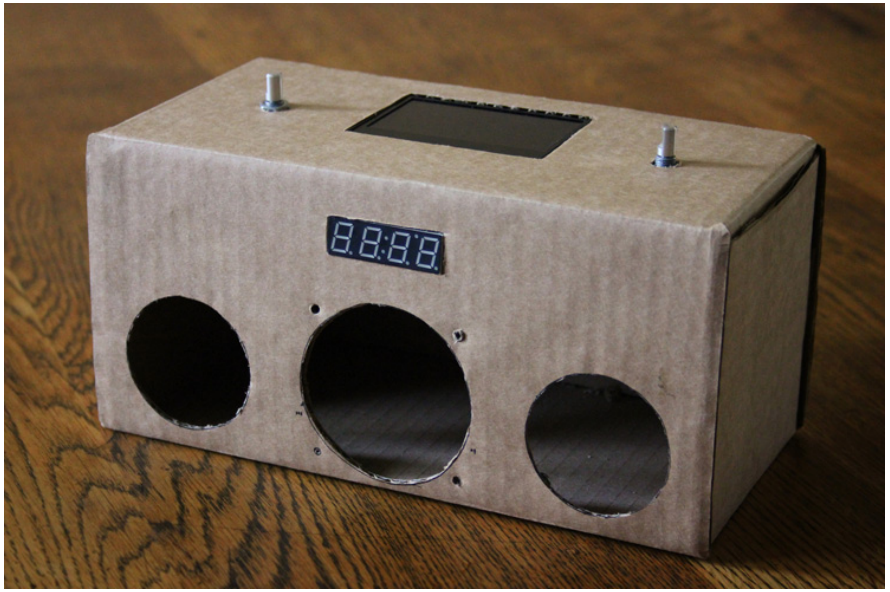
GamePi

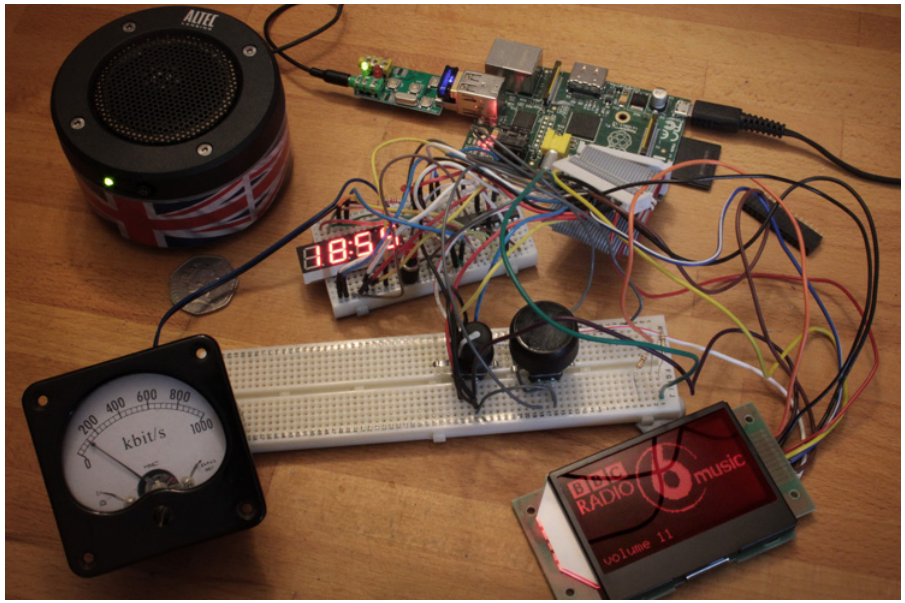


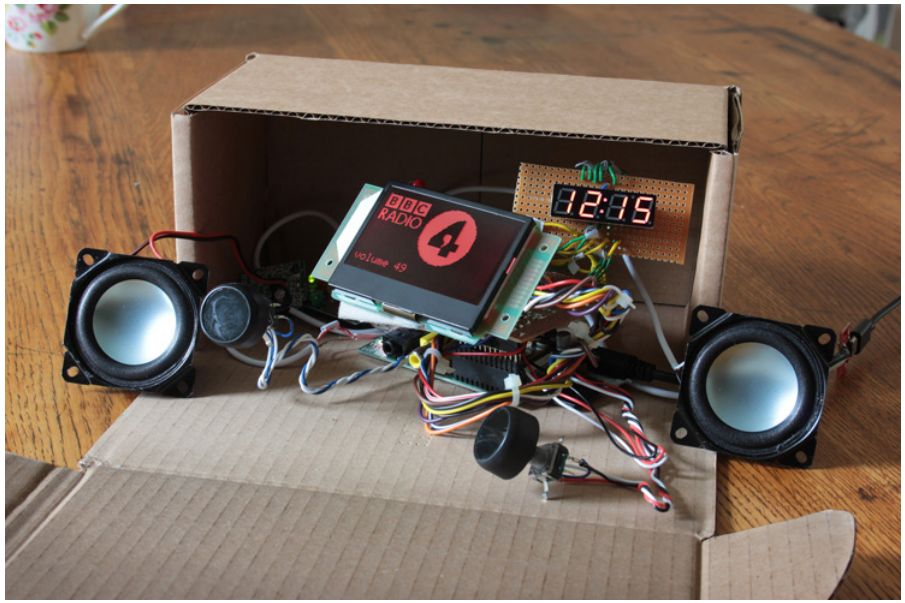


http://www.raspberrypi.org/phpBB3/viewtopic.php?f=40&t=15554

無線網路收音機

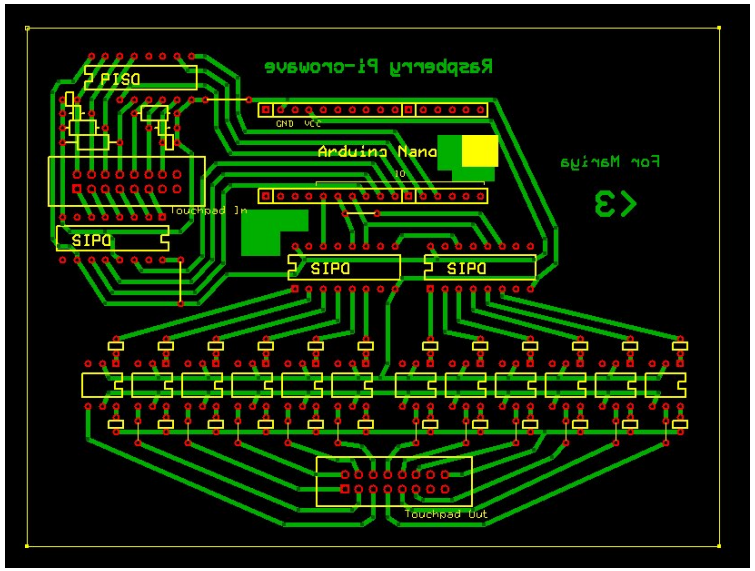


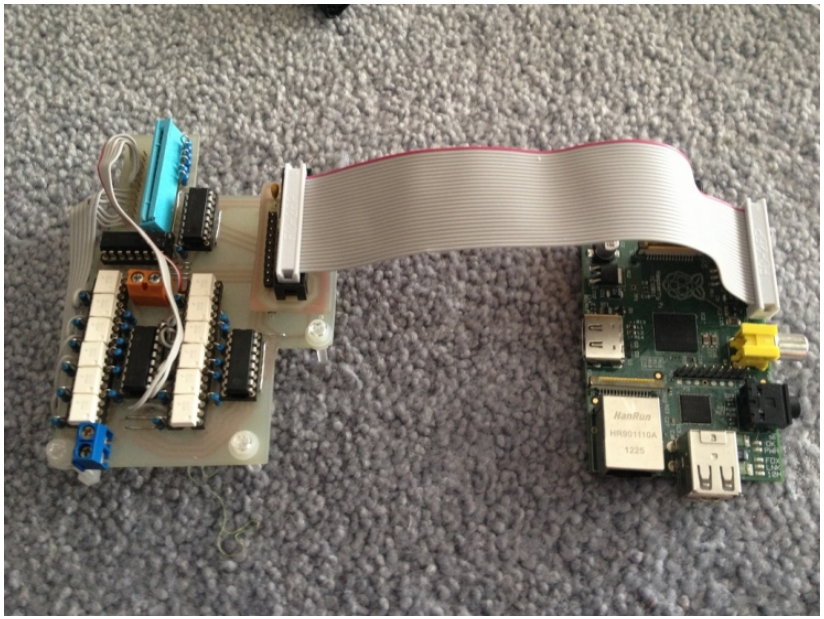


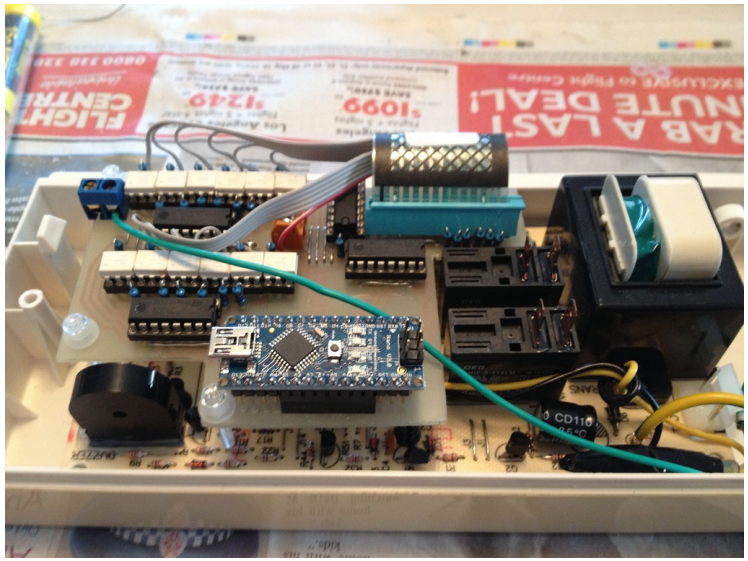


http://www.plingboot.com/2013/08/cardboard-raspberry-pi-wifi-internet-radio/

語音輸入微波爐

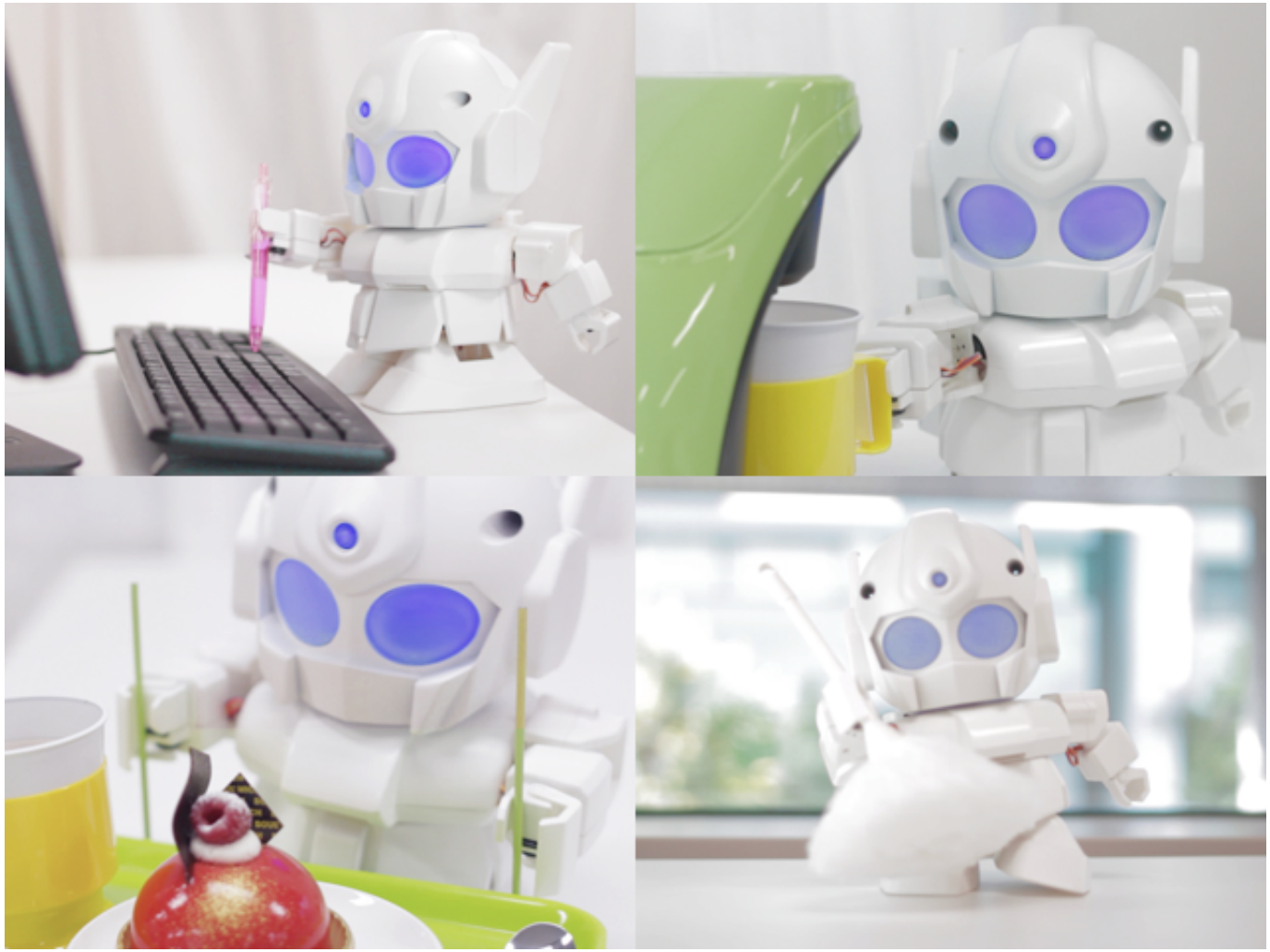






http://madebynathan.com/2013/07/10/raspberry-pi-powered-microwave/

鍵盤打掃機器人



402
backers

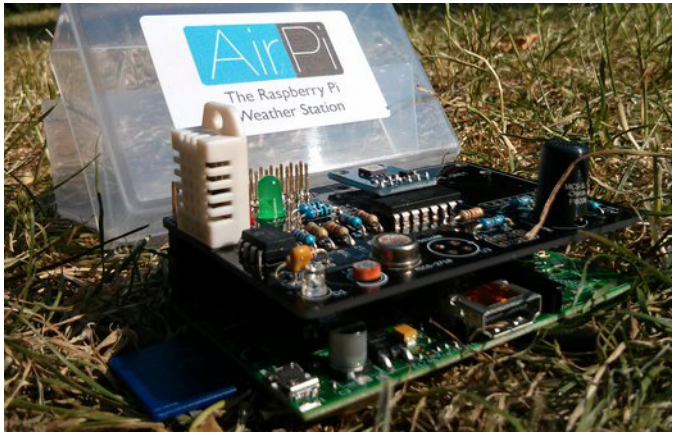
£75,099
pledged of £20,000 goal

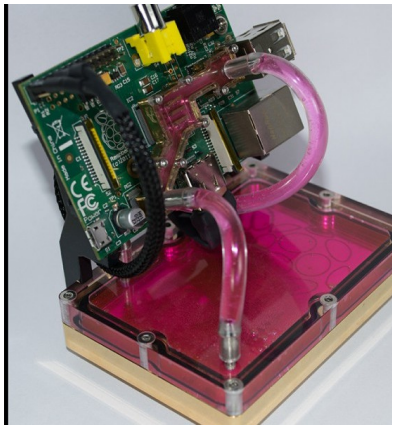
0
seconds to go

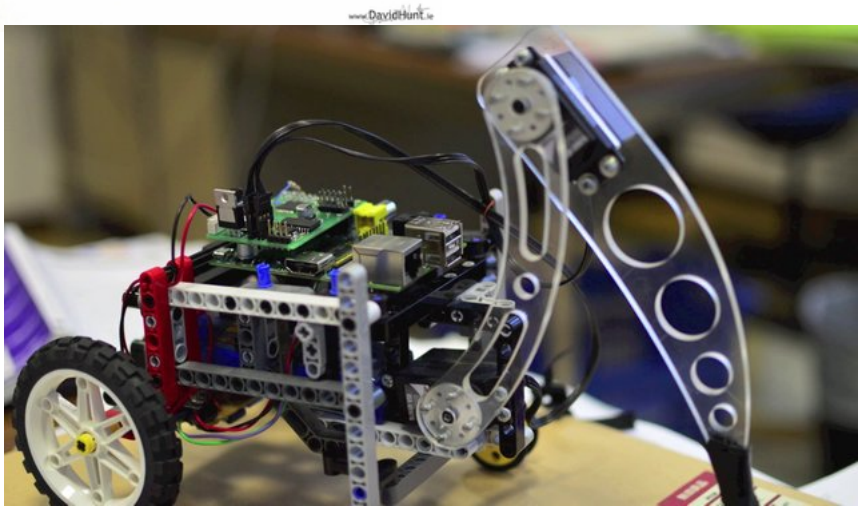
Funding period
Jun 20, 2013 - Aug 19, 2013 (60 days)

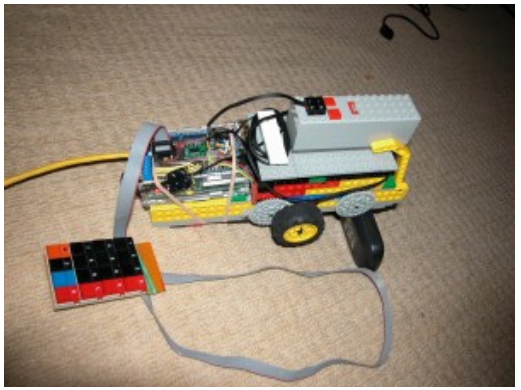
Project by
Shota Ishiwatari
Tokyo, Japan
Contact me

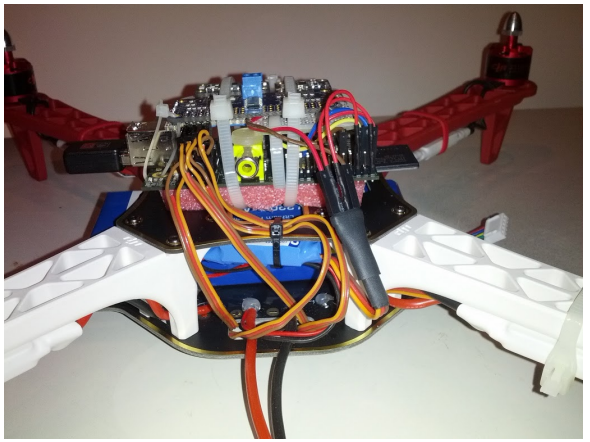
http://www.kickstarter.com/projects/shota/rapiro-the-humanoid-robot-kit-for-your-raspberry-p


AirPi
The Raspberry Pi
Weather Station

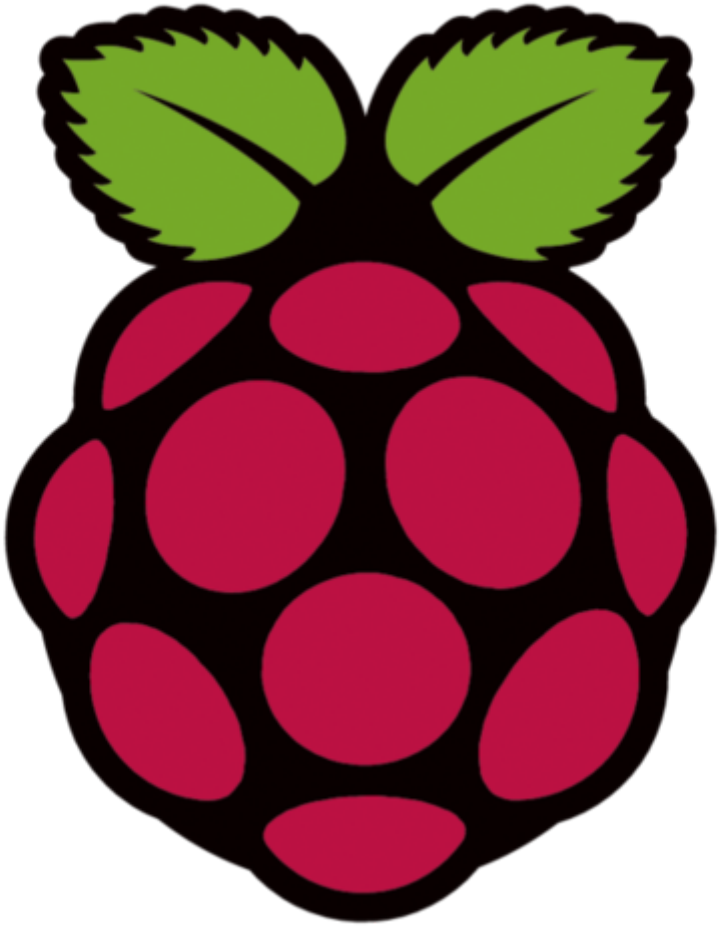



www.DavidHunt.ie





Raspberry Pi Rocks the World



Thanks