

# Raspberry Pi & Co



## **Practice and theory**

Speaker's introduction

Goal of this presentation

# Speaker's Intro



## **Speaker**

Bart Voet

## **Day Job**

Practice Lead Java Development at AXA

## **Evening and weekend**

Family

Programming and hacking

Learning electronics

Skateboarding and snowboarding

...

# Goal



## Overall goal of presentation

Share my experiences as a RPi-**user**

I'm a programmer not a hardware- nor an os-expert  
(trying to become one)

What is the RPi, what else is there?

Give some practical advice

Whan you do with it?

...

# Goal



What is the Raspberry Pi?

## **Some theory:**

- History
- Overview
- Hardware
- Software
- ...



# Goal



Finding your way around...

## **Getting started:**

- Setting up the board
- Resources
- Attributes
- Advice
- Documentation
- ...



# Goal



What is about the Raspberry Pi?

## Some theory again:

- Context and background
- Hype or not?
- Buzzwords?

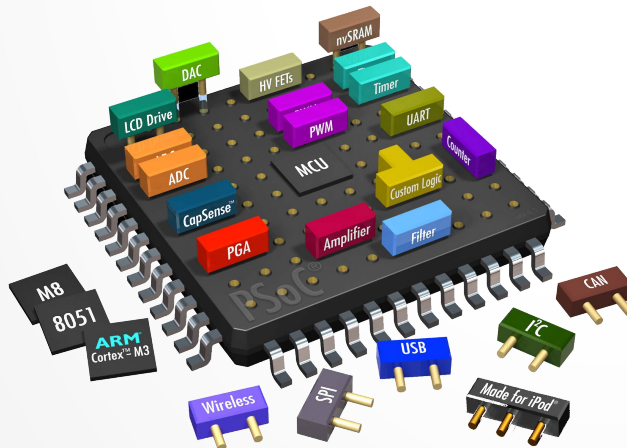
...



**Make:**



**ZigBee®**  
Control your world



# Goal



Why using a Raspberry Pi?

## **Some advice:**

- What's in it for you?
  - Cheap PC?
  - Microcontroller?
  - Media Center?
  - ...
- Added value?



# Goal

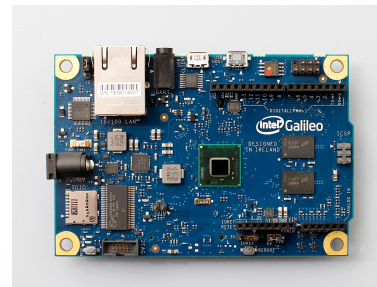


Really, is it the only board out there?

## Comparing:

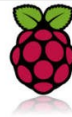
- Alternatives?
- < 100 €
- <> microcontroller?

...

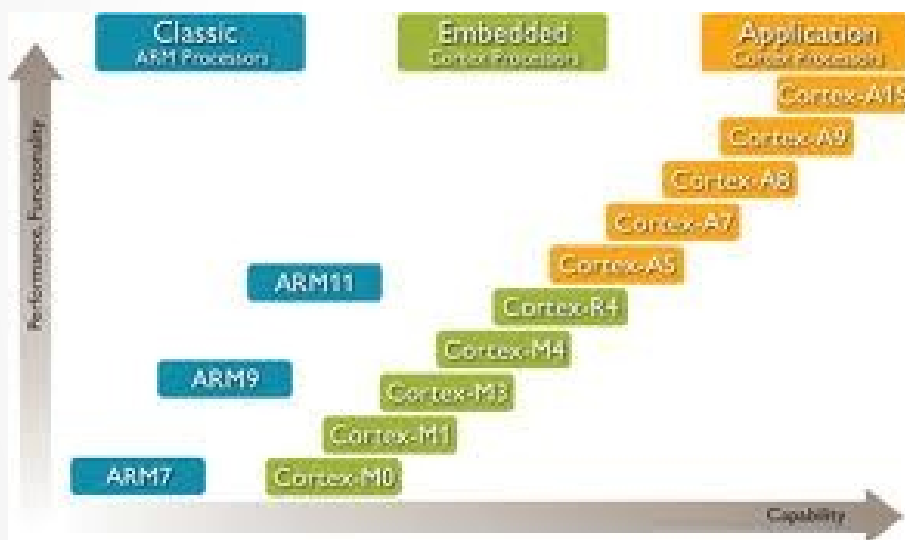




# Goal



Something about ARM?



# Goal



Enough theory!!!

## **Some hands on:**

- Tools
- Linux
- Some projects
  - Radio
  - Overclocking
  - Sensors
  - ... ?

