

ThoughtWorks®

EU AWAY DAY 2015

IOT AND THE ESP8266

Building your own thing of the internet in 45 minutes

raspberry pi
arduino
spark.io
zigBee
light blue bean

...

?

THE ESP8266

Lots of processing power

- raspberry pi
- beaglebone

Connected anywhere

- particle electron

Very low power

- light blue bean
- JeeNode

Easy to start

- particle core
- particle photon

THE ESP8266

Network

- 802.11 b / g / n
- built-in TCP / IP stack

CPU

- 32 bit
- 80 MHz
- 64 KB instruction RAM
- 96 KB data RAM
- 64KB boot ROM

Input / Output

- 2-11 GPIO
- ADC / SPI / PWM / SDIO / UART / I2C

Let's build something

(<http://esp8266.ru/esplorer/#download>)