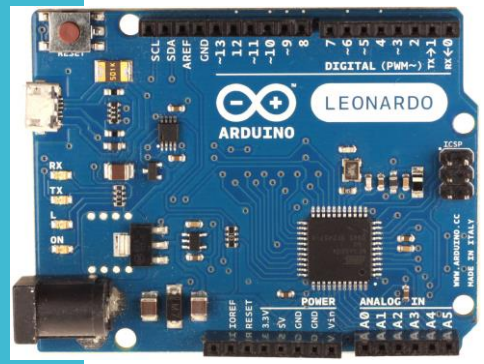
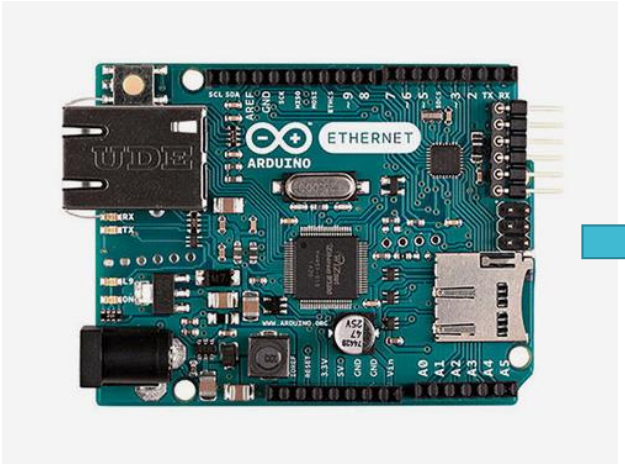
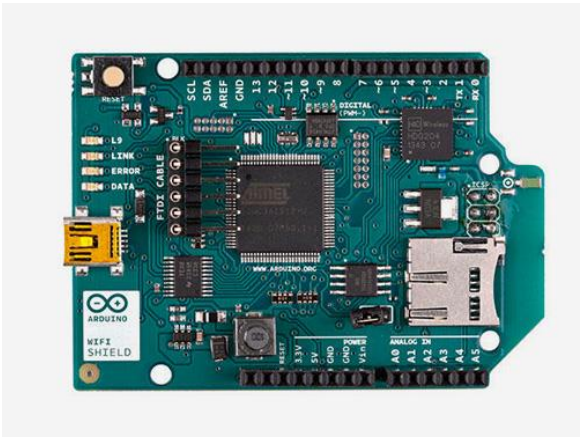
ArduinoYun 無線網路設定

甚麼是YUN？

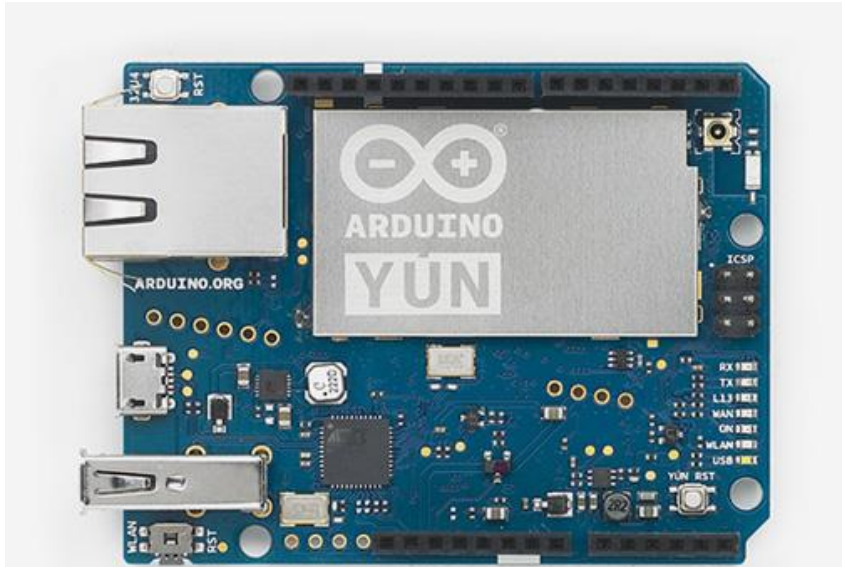

ARDUINO
LEONARDO
DIGITAL (PWM~)
POWER
ANALOG IN

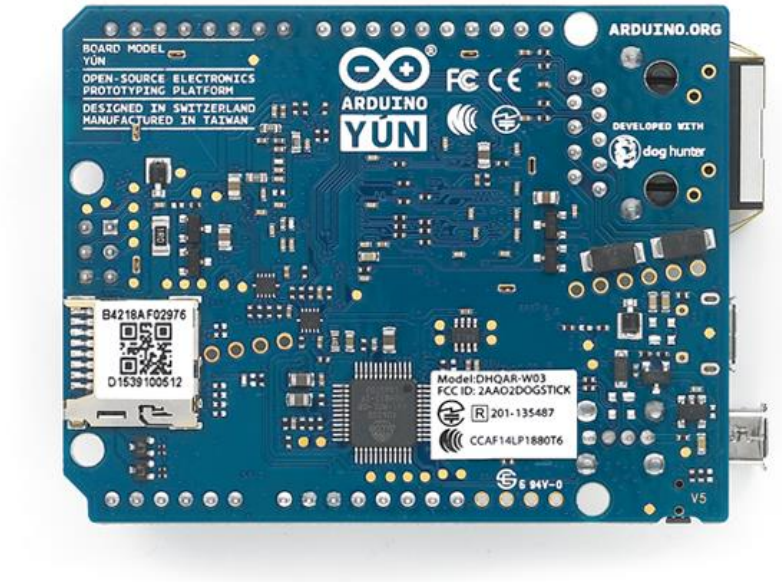
+


ETHERNET
ARDUINO

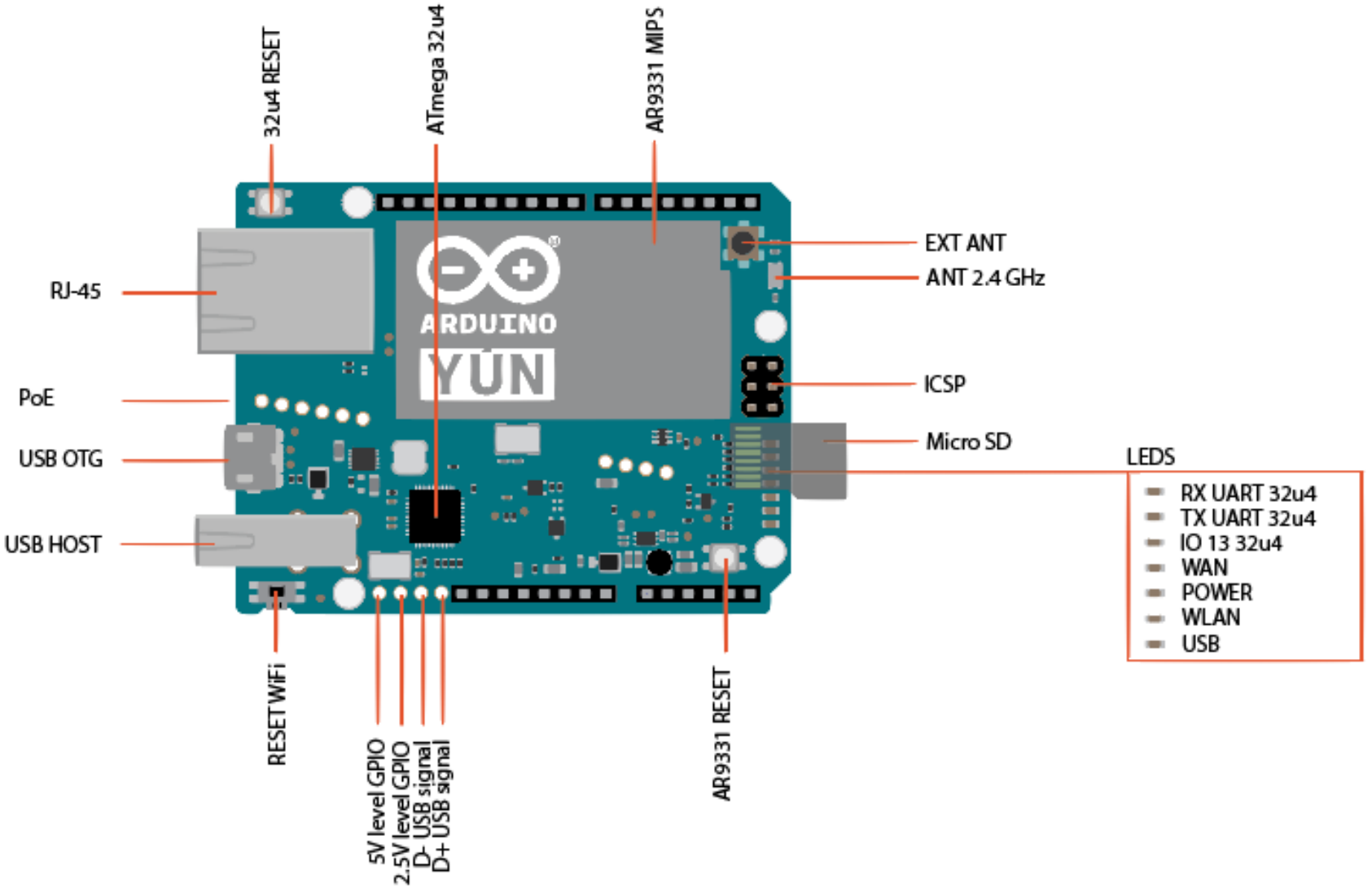

WIFI
SHIELD

甚麼是YUN？

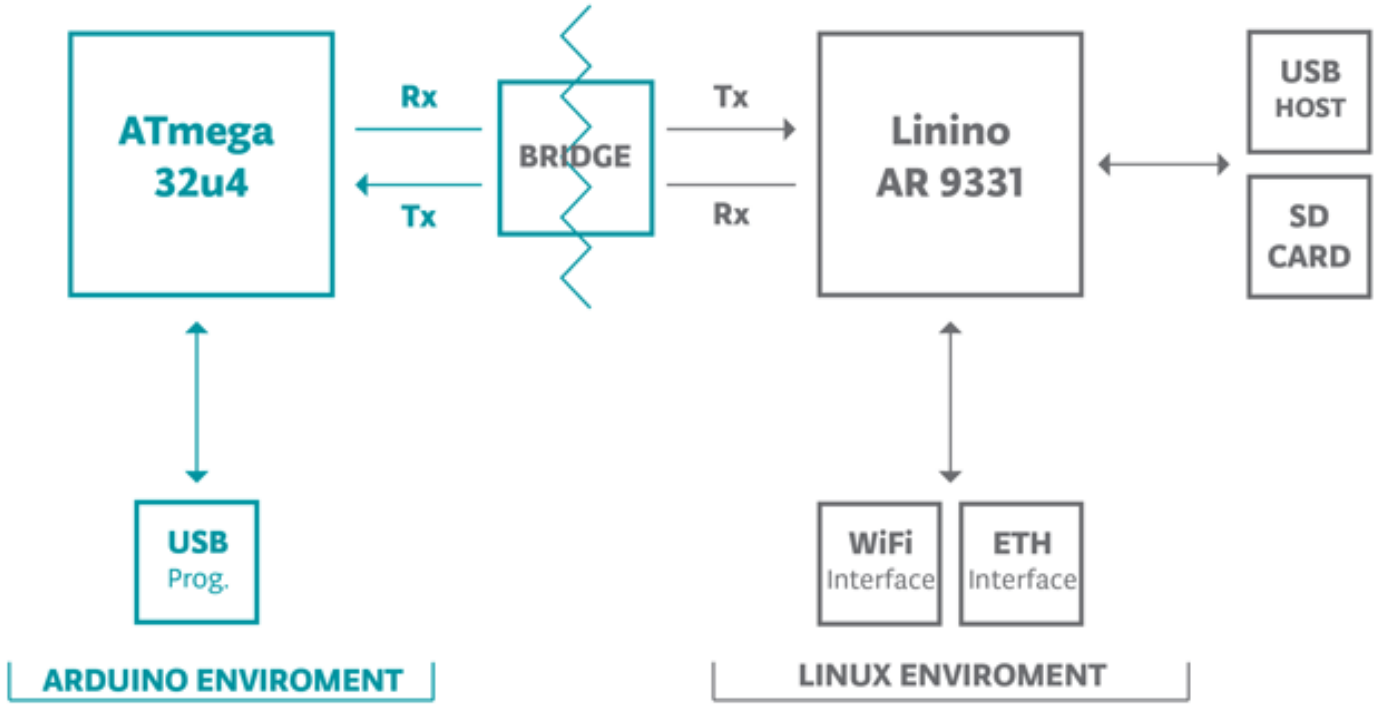

ARDUINO
YÚN
ARDUINO.ORG
ICSP
YÚN RST
WLAN RST


BOARD MODEL
YÚN
OPEN-SOURCE ELECTRONICS
PROTOTYPING PLATFORM
DESIGNED IN SWITZERLAND
MANUFACTURED IN TAIWAN
ARDUINO.ORG
ARDUINO
YÚN
DEVELOPED WITH
dog hunter
B4218AF02976
D1539100512
Model:DHQAR-W03
FCC ID: 2AAO2DOGSTICK
201-135487
CCAF14LP1880T6
V5

甚麼是YUN？

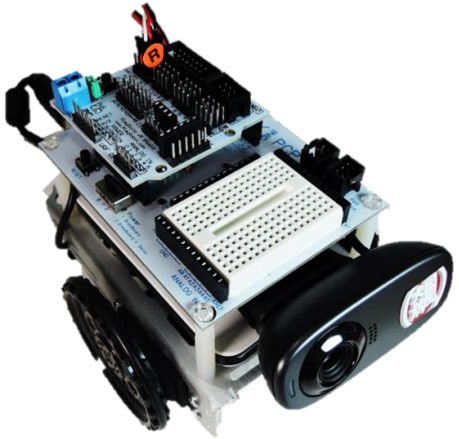

32u4 RESET
ATmega 32u4
AR9331 MIPS
RJ-45
PoE
USB OTG
USB HOST
EXT ANT
ANT 2.4 GHz
ICSP
Micro SD
LEDS
RX UART 32u4
TX UART 32u4
IO 13 32u4
WAN
POWER
WLAN
USB
RESET WiFi
5V level GPIO
2.5V level GPIO
D- USB signal
D+ USB signal
AR9331 RESET
ARDUINO
YÚN

甚麼是YUN？


ATmega
32u4
Rx
Tx
BRIDGE
Tx
Rx
Linino
AR 9331
USB
HOST
SD
CARD
USB
Prog.
WiFi
Interface
ETH
Interface
ARDUINO ENVIROMENT
LINUX ENVIROMENT

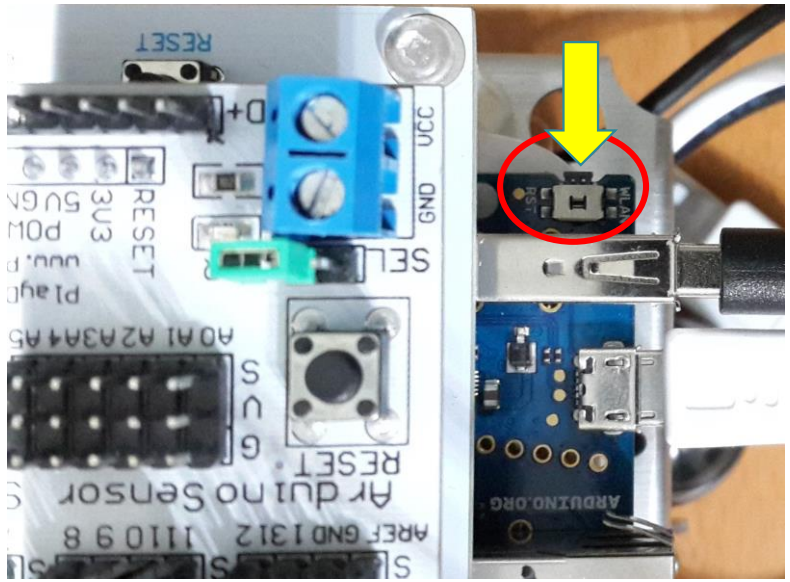
無線網路設定

Step1



以YUN當AP

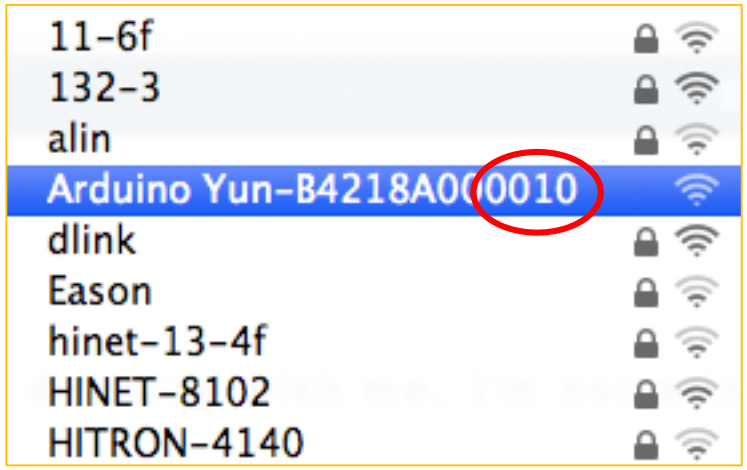
壓住五秒鐘



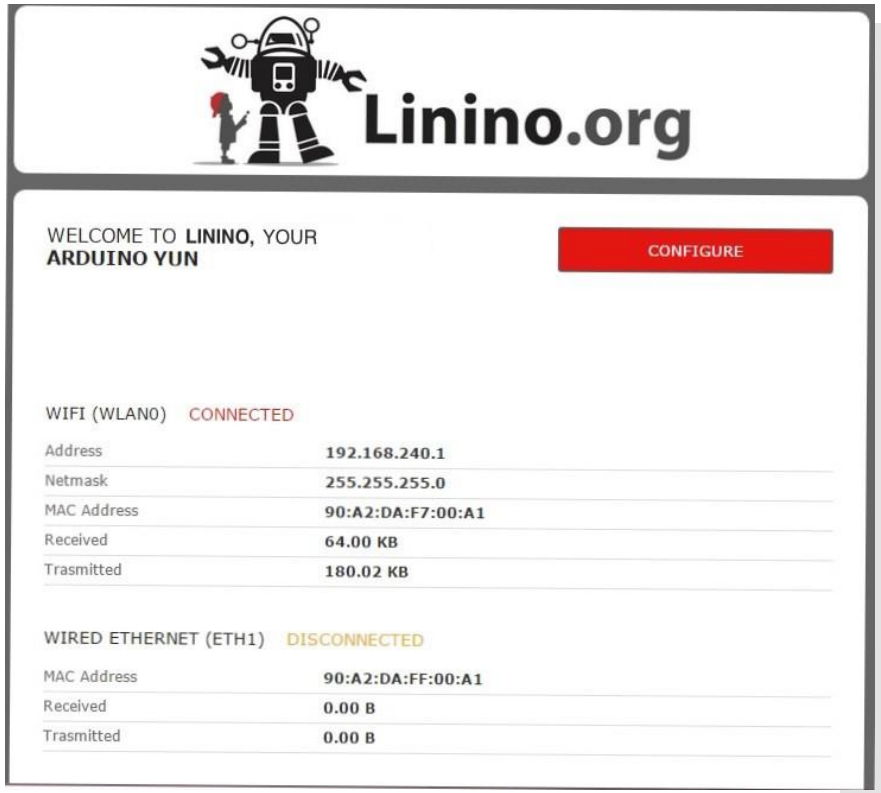
無線網路設定

Step2

選擇AP



http://192.168.240.1



無線網路設定

Step3

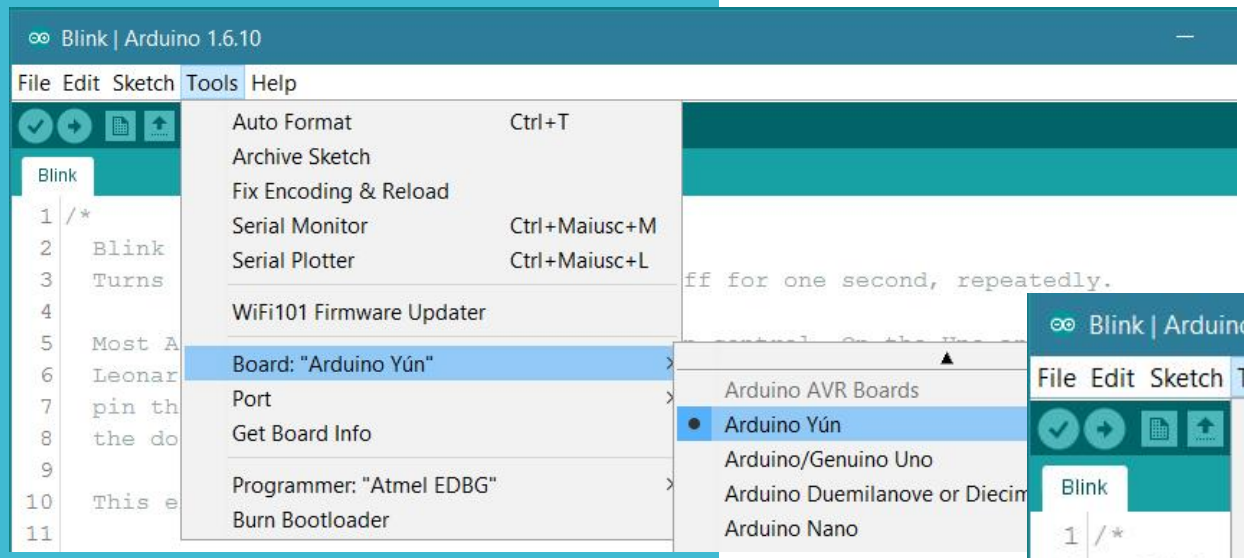
選擇自己的手機分享熱點並輸入密碼

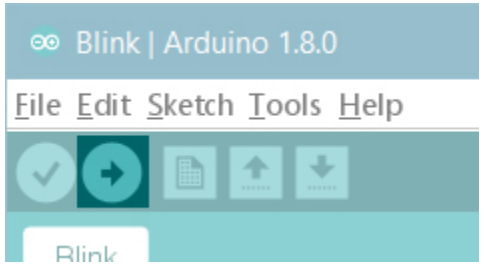
無線網路設定

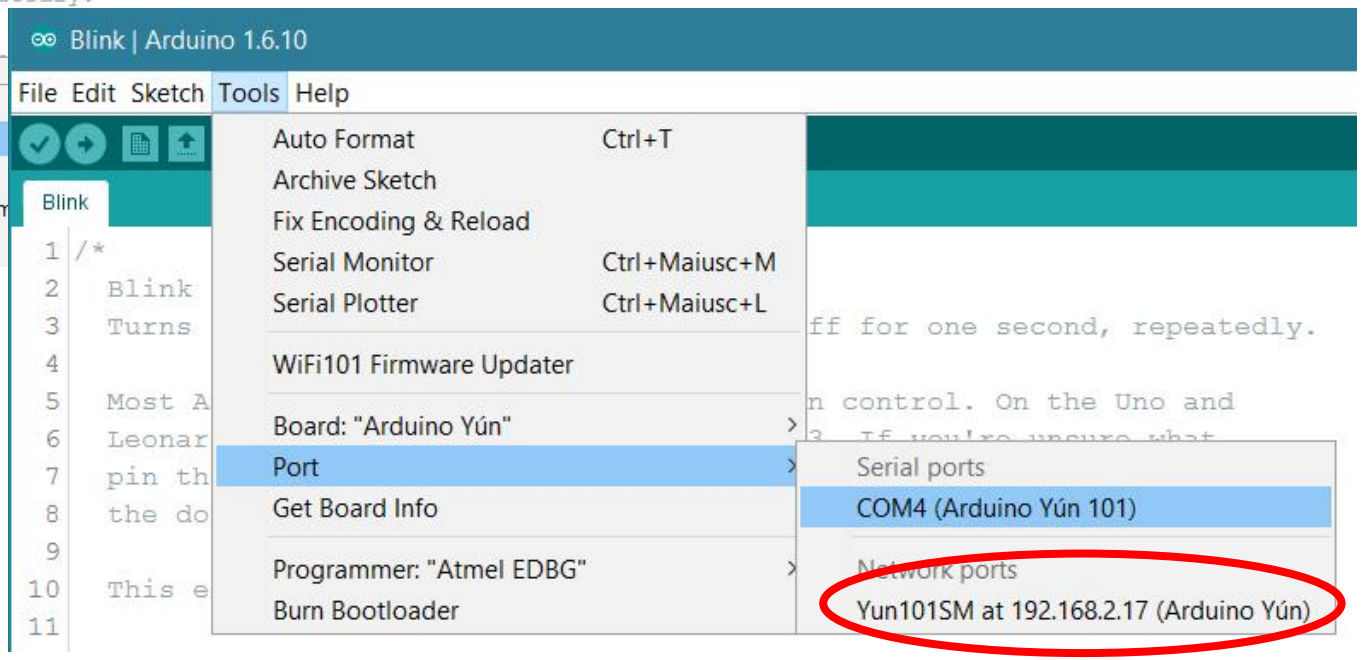
Step3

以手機為AP

準備upload程式


Blink | Arduino 1.6.10
File Edit Sketch Tools Help
Auto Format Ctrl+T
Archive Sketch
Fix Encoding & Reload
Serial Monitor Ctrl+Maiusc+M
Serial Plotter Ctrl+Maiusc+L
WiFi101 Firmware Updater
Board: "Arduino Yún"
Port
Get Board Info
Programmer: "Atmel EDBG"
Burn Bootloader
Arduino AVR Boards
Arduino Yún
Arduino/Genuino Uno
Arduino Nano
Blink


Blink | Arduino 1.8.0
File Edit Sketch Tools Help
Blink


Blink | Arduino 1.6.10
File Edit Sketch Tools Help
Auto Format Ctrl+T
Archive Sketch
Fix Encoding & Reload
Serial Monitor Ctrl+Maiusc+M
Serial Plotter Ctrl+Maiusc+L
WiFi101 Firmware Updater
Board: "Arduino Yún"
Port
Get Board Info
Programmer: "Atmel EDBG"
Burn Bootloader
Serial ports
COM4 (Arduino Yún 101)
Network ports
Yun101SM at 192.168.2.17 (Arduino Yún)
Blink

馬達校正

停止

```
void backward() {
   servoRight.writeMicroseconds(1500);
   servoLeft.writeMicroseconds(1500);
}
```

Full Stop

上傳程式 MotorTest.ino

圖待補!

行進控制

前進

```
void forward() {
    servoRight.writeMicroseconds(1300);
    servoLeft.writeMicroseconds(1700);
}
```

Top speed clockwise

Top speed counterclockwise

後退

```
void backward() {
   servoRight.writeMicroseconds(1700);
   servoLeft.writeMicroseconds(1300);
}
```

原地左轉? 原地右轉?