

arduino.org

* Christmas Contest for Arduino Uno WiFi - Jan 31st





Arduino

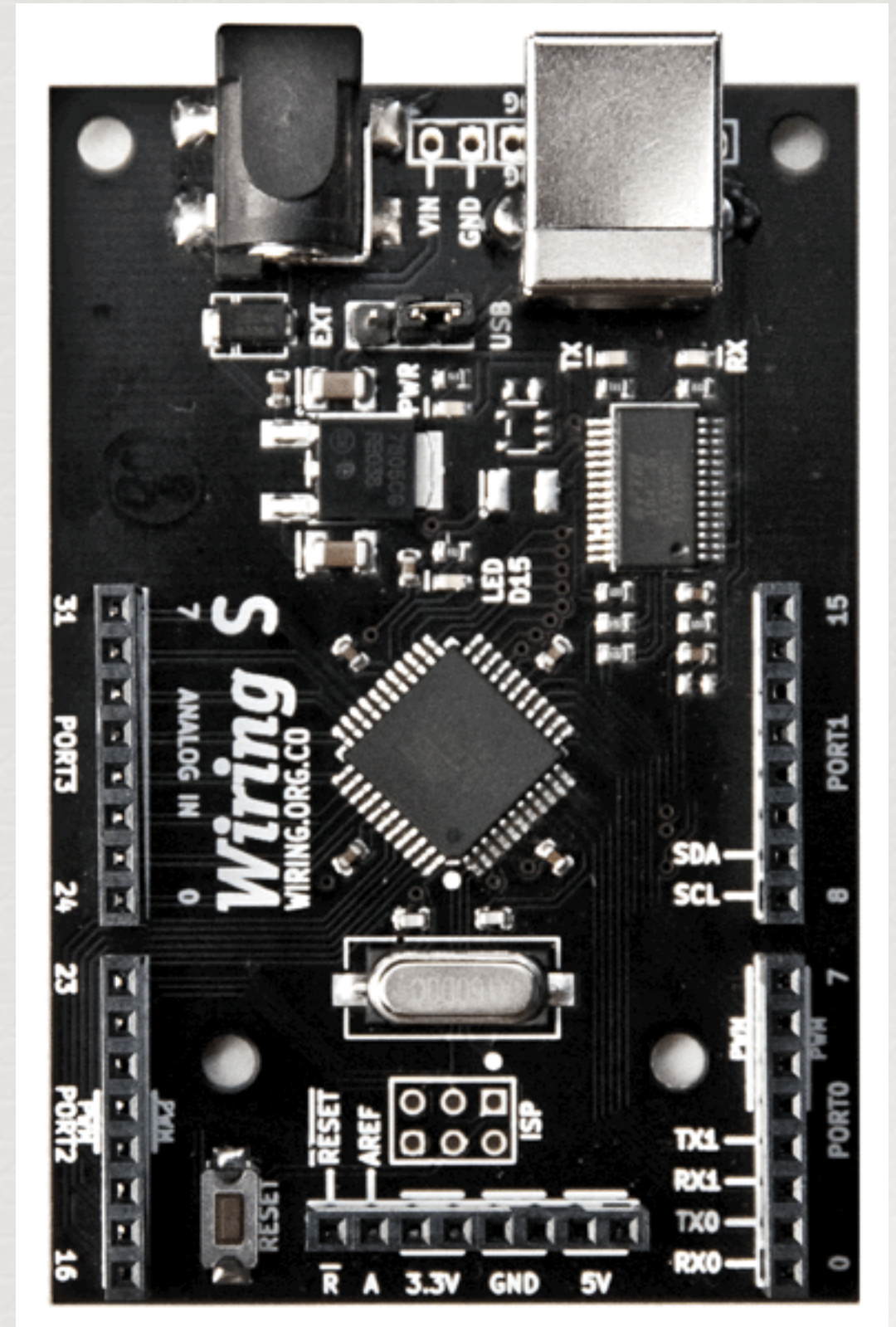


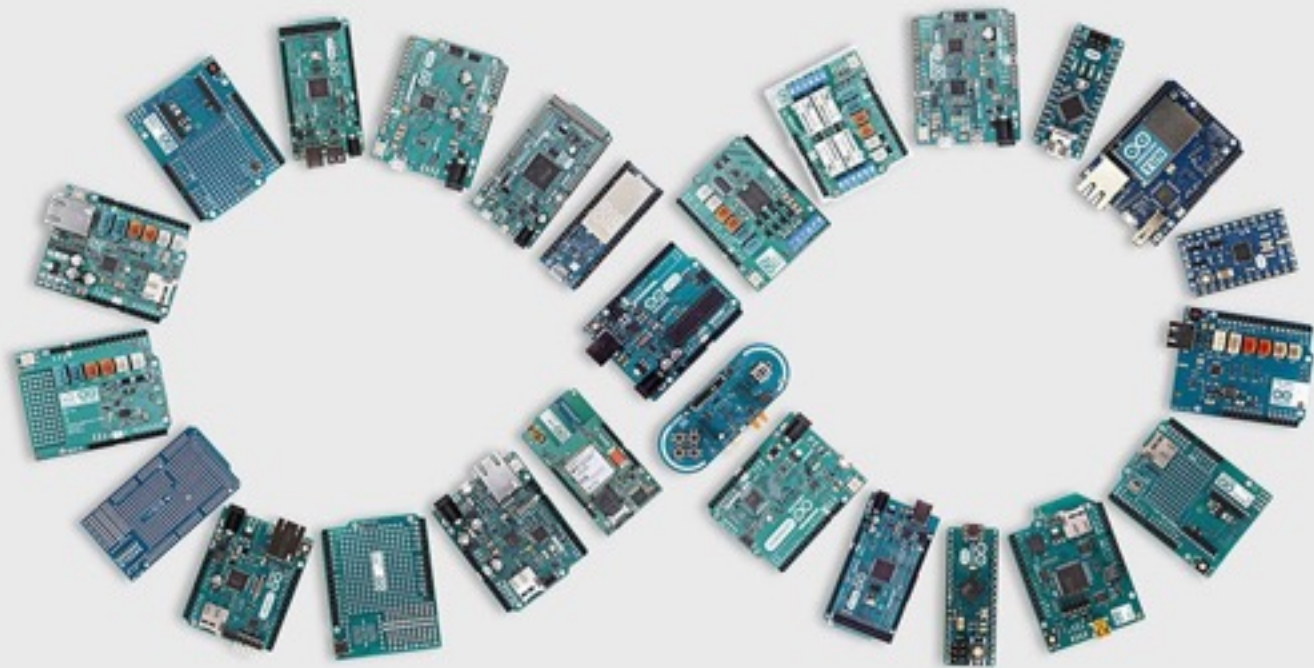
Harduino Arj-dueeno Aderino
Ard-wino Arjedaweenno Arj-duweno
Adriano-Arguing-Arduous

- Arduino is an open-source electronics prototyping platform based on flexible, easy-to-use hardware and software. It's intended for artists, designers, hobbyists, and anyone interested in creating interactive objects or environments.

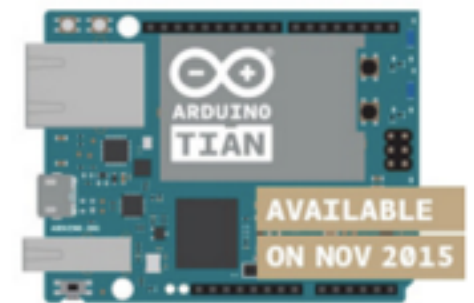
wiring.org.co

This is the first open source hardware developed by Hernando Barragan which became the first arduino.



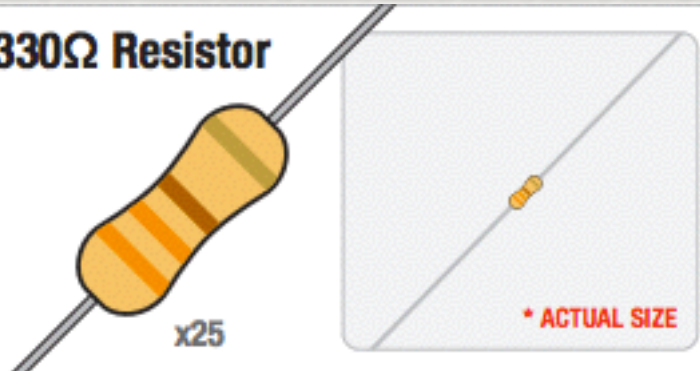


NEW
ARDUINO PRODUCTS

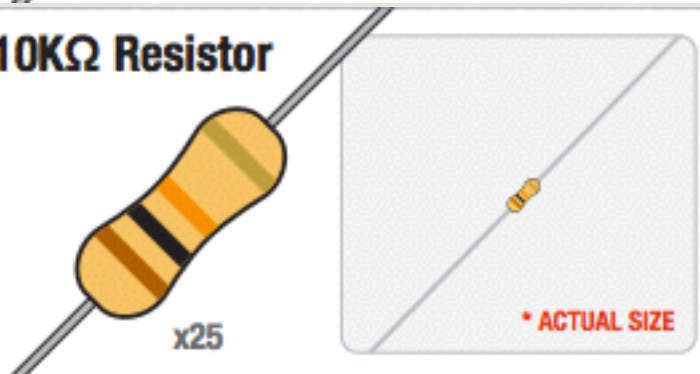


All kits include...

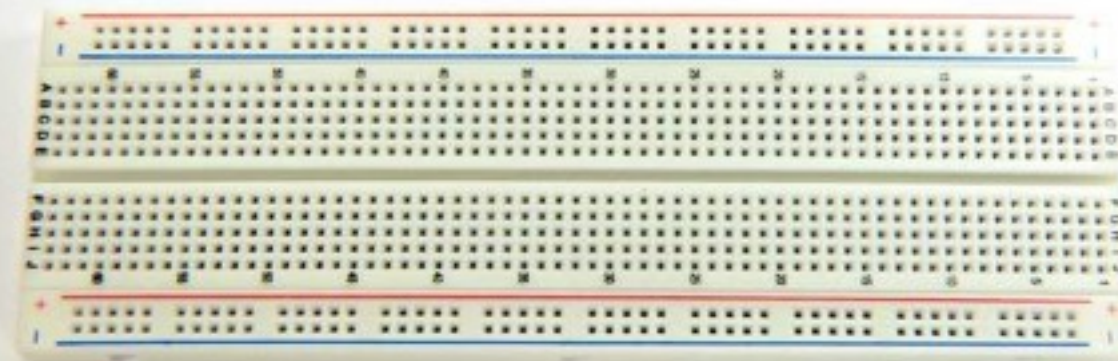
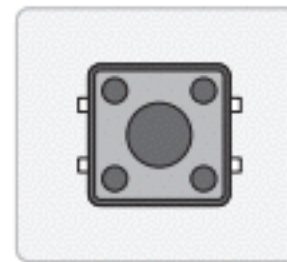
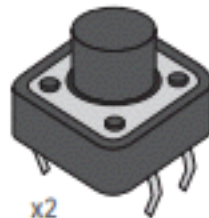
330Ω Resistor



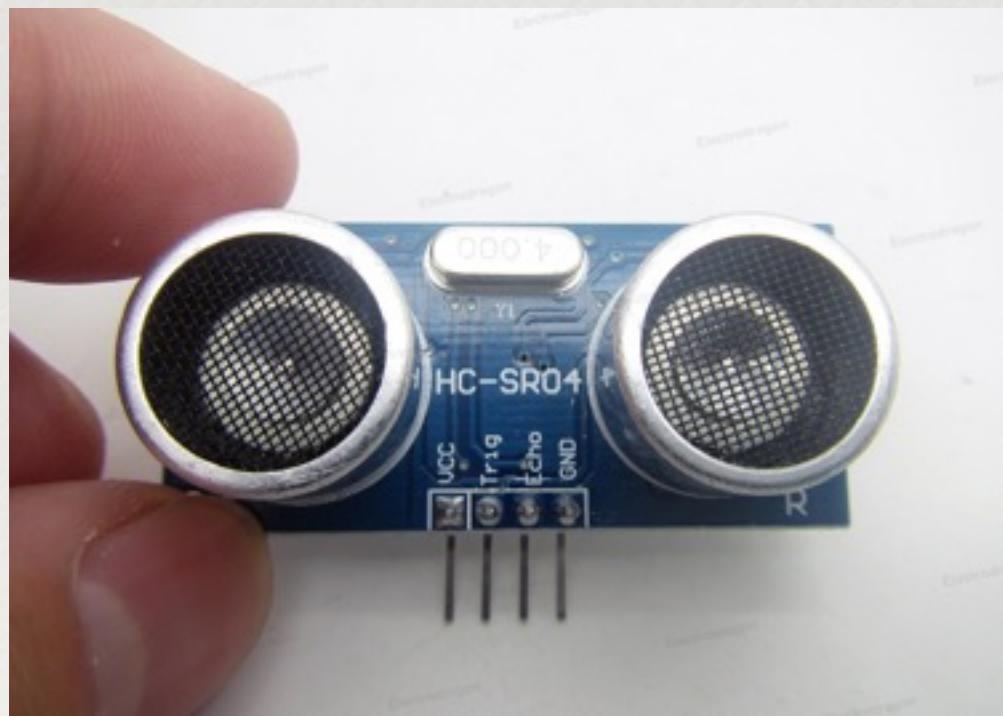
10KΩ Resistor

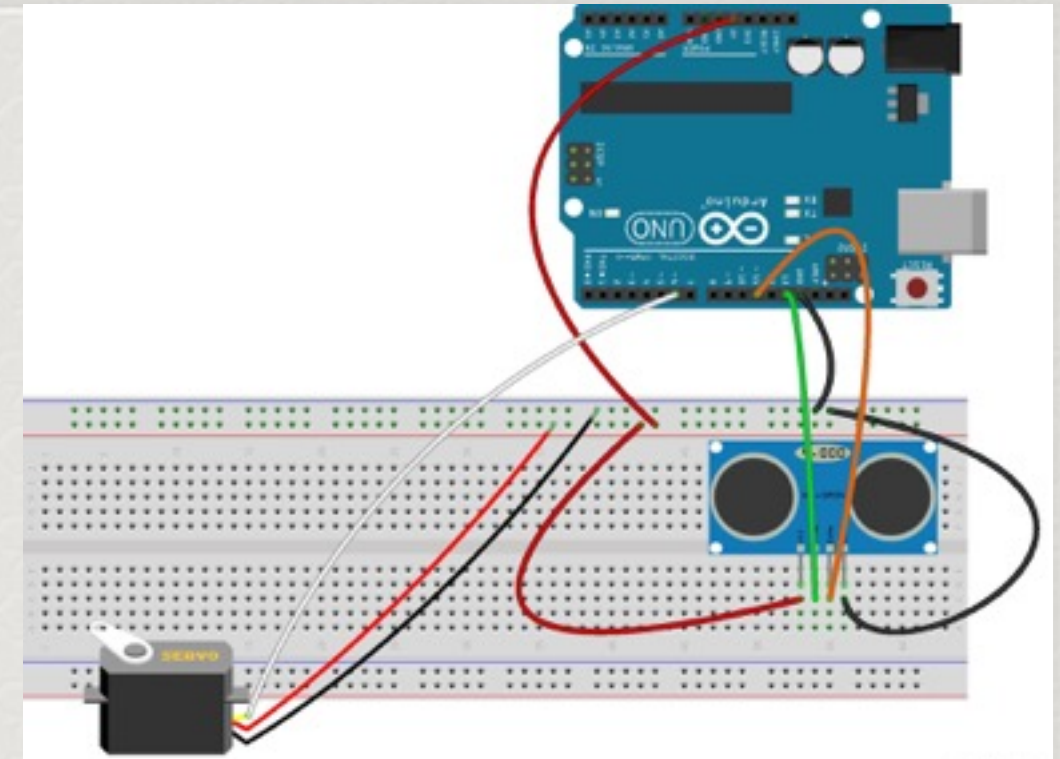
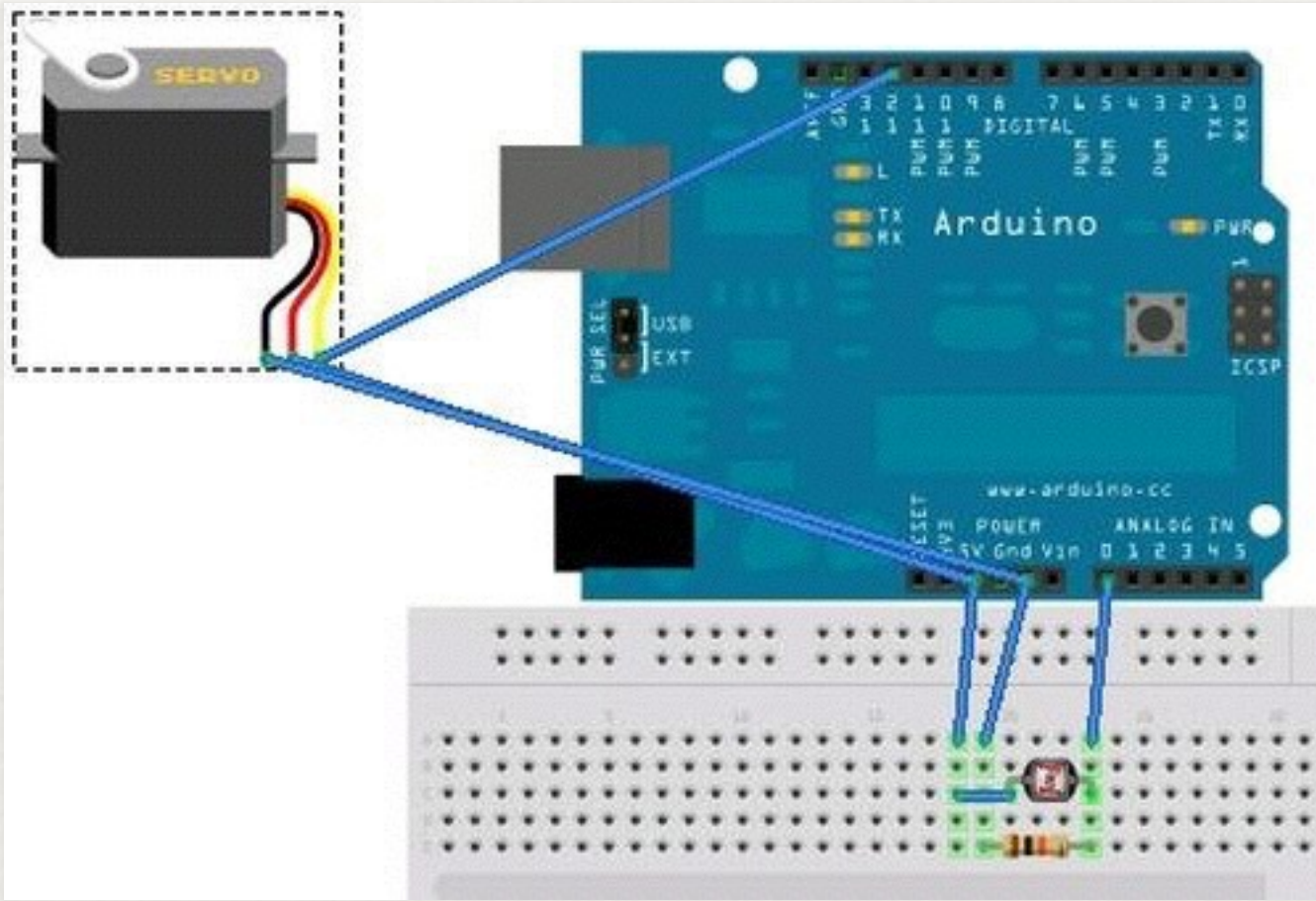


Push Button

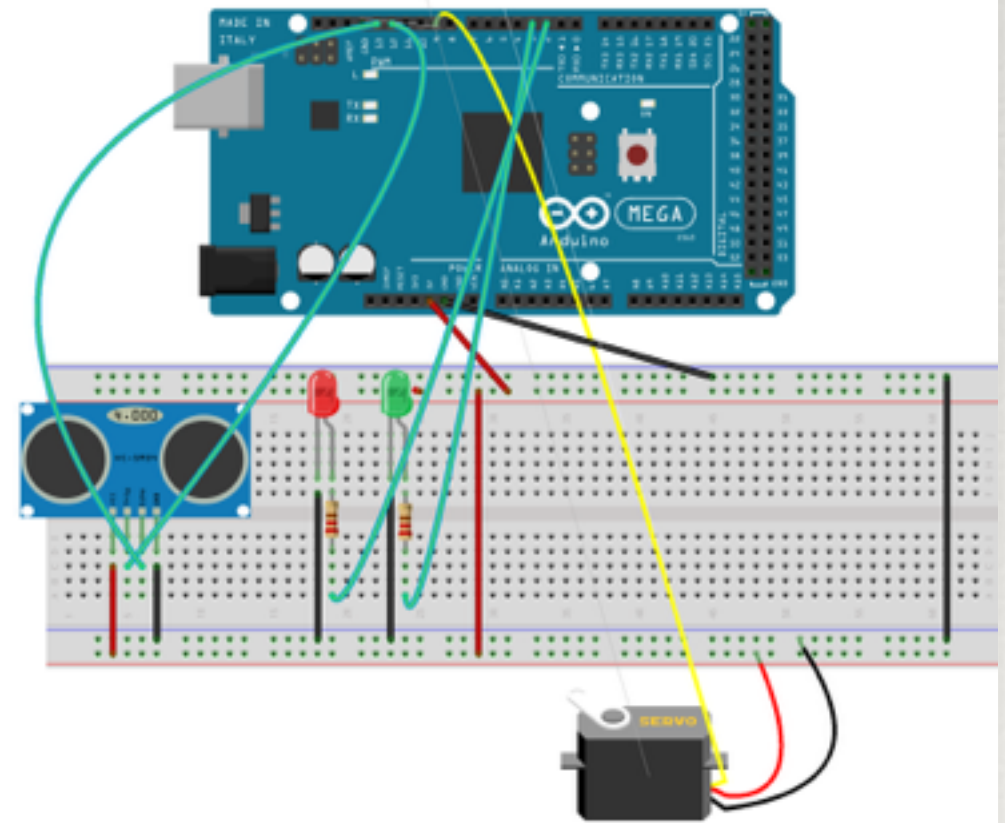
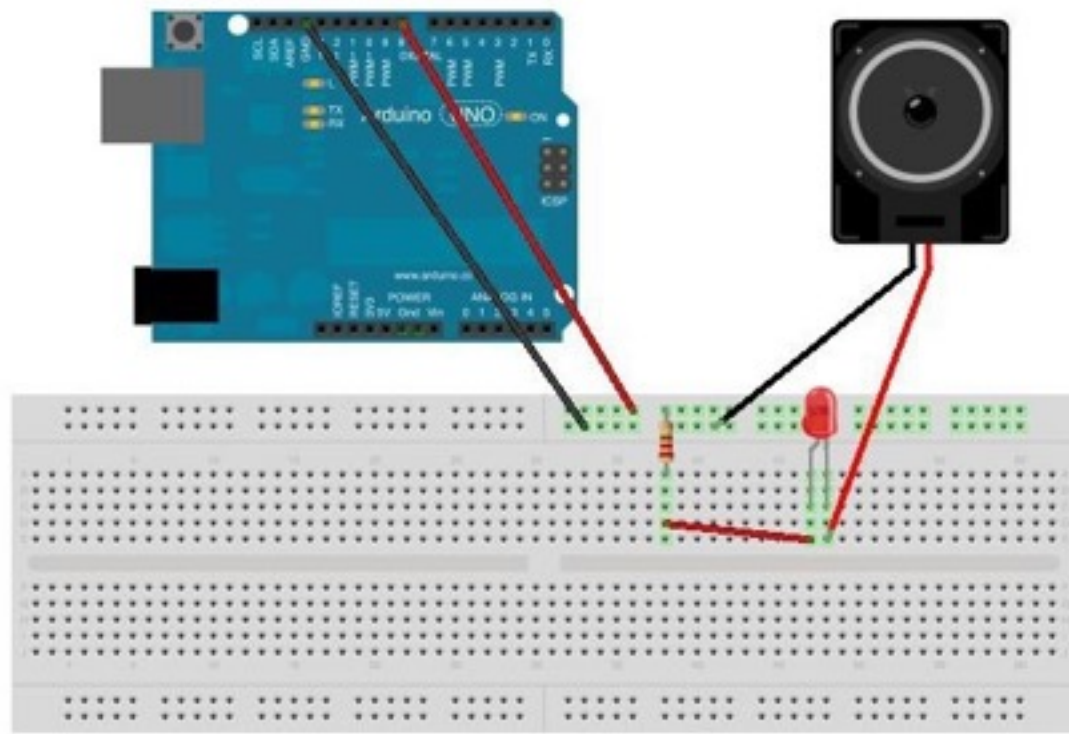


We also have...





fritzing



Made with Fritzing.org

Downloads!

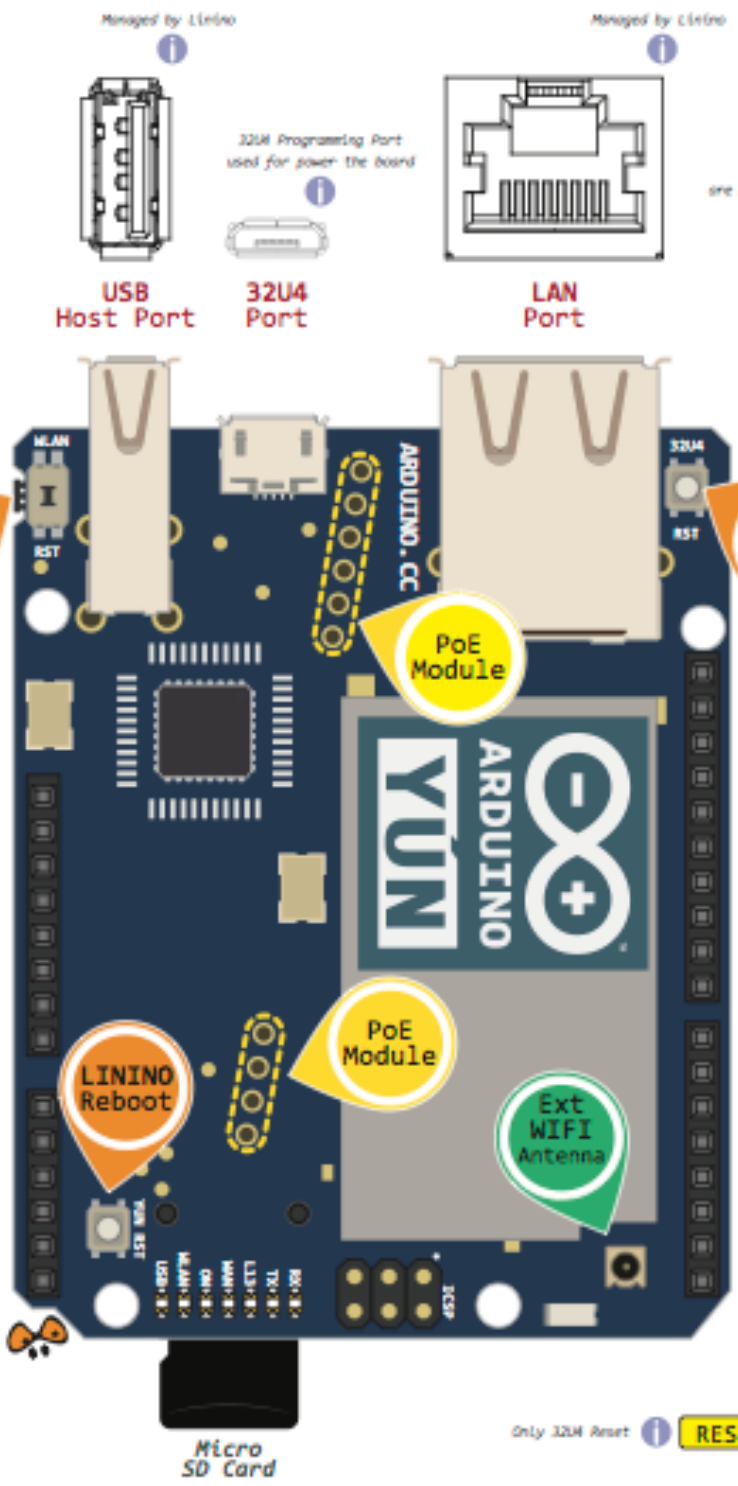
- ✦ arduino.org latest IDE is 1.7.8
- ✦ fritzing.org latest version 0.9.2b
- ✦ sparkfun.com Search for “Inventor’s Kit”



Documents:

- [SIK Guide](#)
- [Online Experiment Guide](#)
- [SIK Teaching Curriculum](#)
- [SIK Code Library](#)
- [Dimensional Drawing \(Carrying Case\)](#)
- [SIK V3.2 Wish List](#)

THE UNOFFICIAL ARDUINO YUN PINOUT DIAGRAM



Managed by Linino

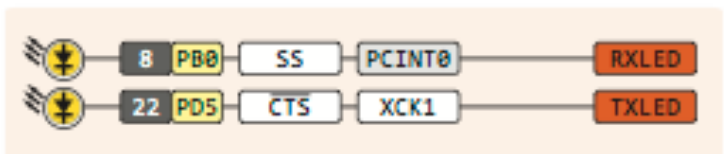
Managed by Linino

The SD, Ethernet, and USB-A connectors are not physically connected to the 32U4 processor

Black	GND
Red	Power
Yellow	Control
Grey	Physical Pin
Light Yellow	Port Pin
White	Pin Function
Light Blue	Digital Pin
Light Green	Analog Related Pin
Orange	PWM Pin
Light Blue	Serial Pin
Pink	IDE

PWM type

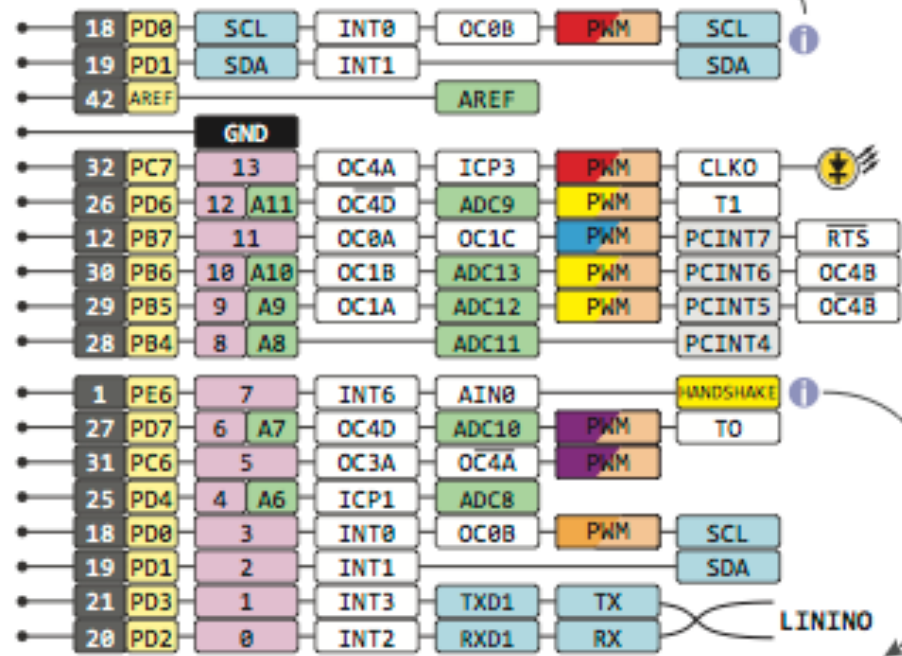
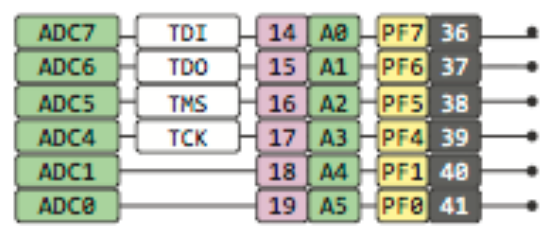
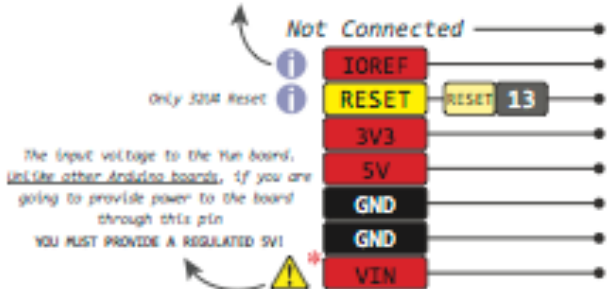
- PWM 10bit
- PWM 8/16bit
- PWM 16bit
- PWM HS
- PWM 8bit



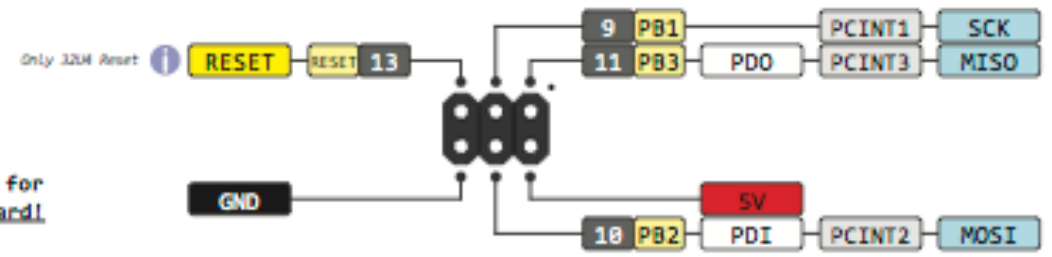
⚠ Absolute max per pin 40mA recommended 20mA

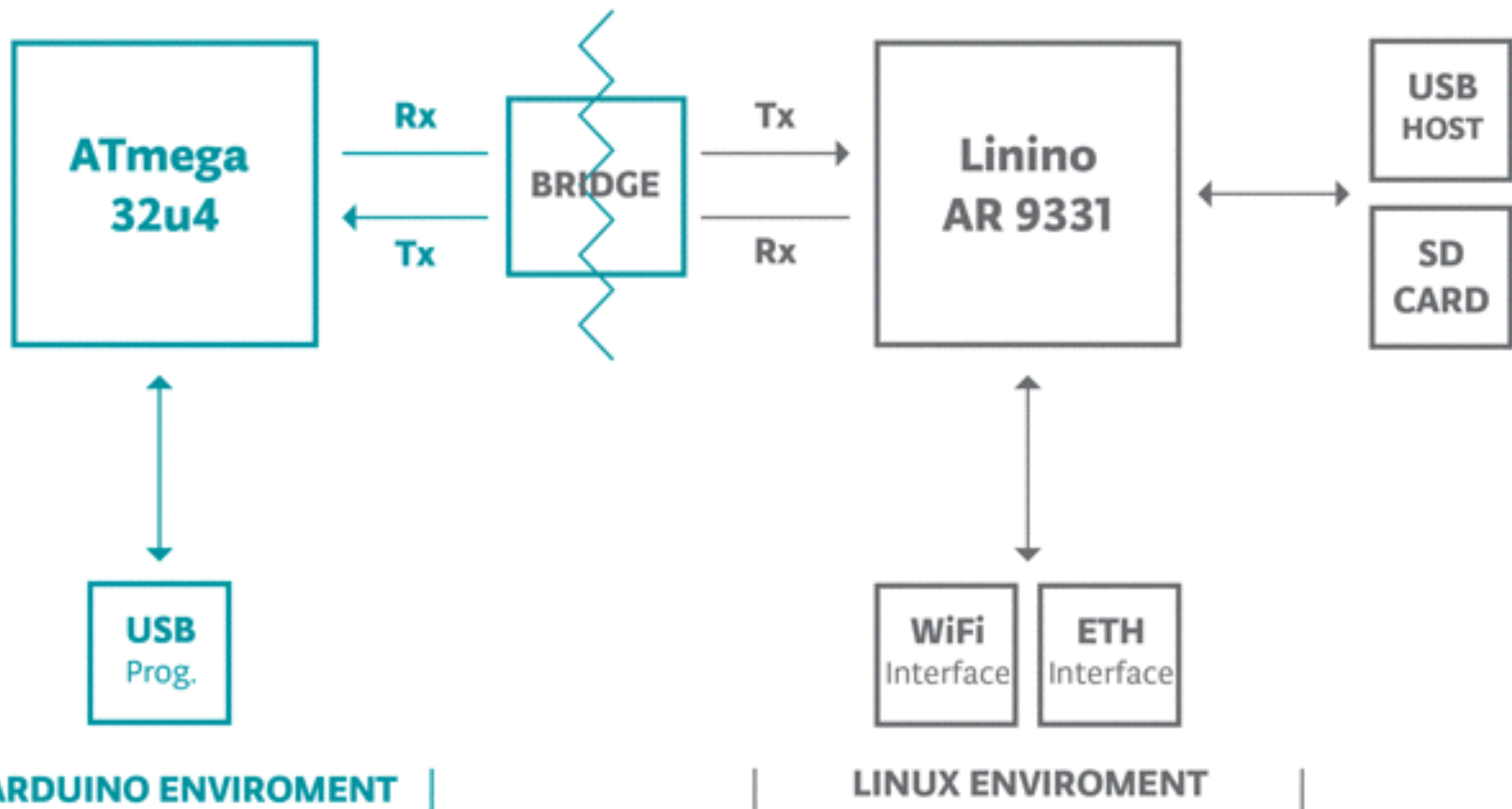
⚡ Absolute max 200mA for entire package

This provides a logic reference voltage for shields that use it. It is connected to the 5V bus.



⚠ There is no on-board voltage regulator for higher voltages which will damage the board!







AirPort: On	
Turn AirPort Off	
✓gatekeeper-5G	🔒 📶
2WIRE855	🔒 📶
AMP88	🔒 📶
Arduino Yun-90A2DAF01A4A	📶
ATT480	🔒 📶
ATT6e257e7	🔒 📶
belkin.2ed	🔒 📶
belkin.2ed.5GHz	🔒 📶
blizzard	🔒 📶
CheriLandia	🔒 📶
Cherilandia	🔒 📶
CheriLandia-guest	📶
DIRECT-roku-85FCDD	🔒 📶
gatekeeper	🔒 📶
Grandmas Network	🔒 📶
HOME-8ADD	🔒 📶
loveshack	🔒 📶
LwoHeat	🔒 📶
MotoVAP_M91325SA18WY	🔒 📶
ngHub_319443N5054B9	🔒 📶
Prism	🔒 📶
xfinitywifi	📶
Join Other Network...	
Create Network...	
Open Network Preferences...	



Welcome to your Arduino Yún. Please enter password to access the web control panel

PASSWORD

Please be sure you have cookies enabled before proceeding.

LOG IN



For more advanced network configuration features, see the [advanced configuration panel \(luci\)](#)

YÚN BOARD CONFIGURATION ⓘ

YÚN NAME *

Yunaya

PASSWORD

••••••••

CONFIRM PASSWORD

••••••••

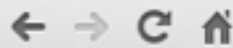
TIMEZONE *

America/Los Angeles



Yún 云

x



192.168.240.1/cgi-bin/luci/;stok=4db03f7f13605fe43db32abc69d1b53d/webpanel/config



WIRELESS PARAMETERS

CONFIGURE A WIRELESS NETWORK

DETECTED WIRELESS NETWORKS

gatekeeper (WPA2) [Refresh](#)

WIRELESS NAME *

gatekeeper

SECURITY

PASSWORD *

.....

DISCARD

CONFIGURE & RESTART

REST API ACCESS

REST API ACCESS


OPEN WITH PASSWORD

REST APIs allow you to access your sketch from the web, sending commands or exchanging configuration values.

If your Yún is on a public network, or controlling sensitive equipment, or both, we recommend you leave the REST API password protected.

Yún 云

192.168.240.1/cgi-bin/luci/;stok=4db03f7f13605fe43db32abc69d1b53d/webpanel/config




CONFIGURATION SAVED!

I'm restarting.
Please connect your computer to the wireless network called **gatekeeper**.

Yún 云

192.168.240.1/cgi-bin/luci/;stok=4db03f7f13605fe43db32abc69d1b53d/webpanel/config



CONFIGURATION SAVED!


I'm restarting.
Please connect your computer to the wireless network called **gatekeeper**.

Restarted! You'll find me [here](#).

Yún 云

192.168.240.1/cgi-bin/luci/;stok=bb22d2d0659ae3502514d04898ce1227/webpanel/config

Yún 云



Configuration saved!

I'm restarting.
Please connect your computer to the wireless network called **Free WiFi**.

Restarted! You'll find me [here](#).



Yún 云



yunaya.local/cgi-bin/luci;/stok=bf49f9c83d05922c876985e78d5053f8/webpanel/homepage



WELCOME TO YUNAYA, YOUR ARDUINO YÚN

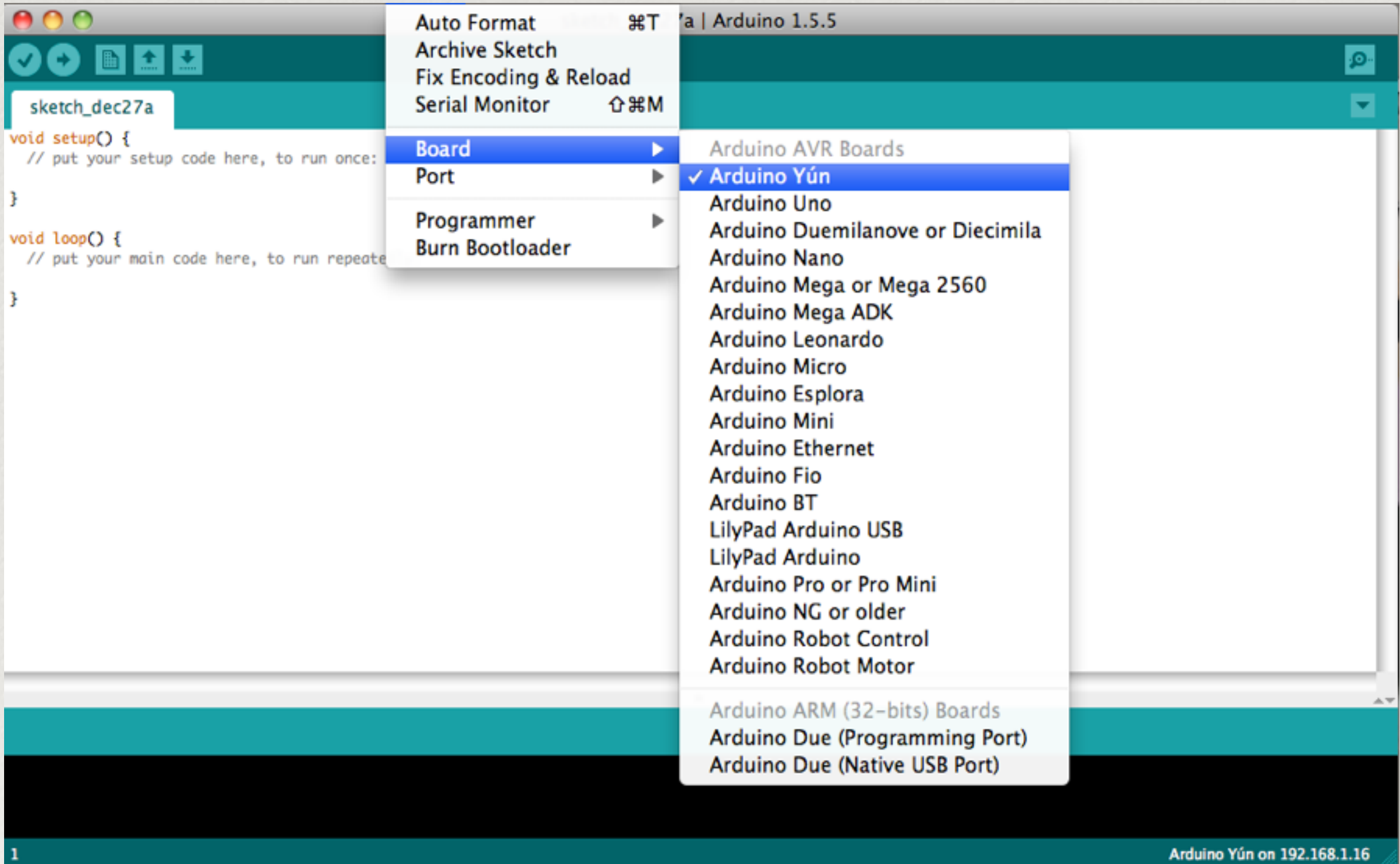
CONFIGURE

WIFI (WLAN0) **CONNECTED**

Address	192.168.1.17
Netmask	255.255.255.0
MAC Address	90:A2:DA:F0:1A:4A
Received	120.63 KB
Trasmitted	78.59 KB

WIRED ETHERNET (ETH1) **DISCONNECTED**

MAC Address	90:A2:DA:F8:1A:4A
Received	0.00 B
Trasmitted	0.00 B



Arduino 1.5.5

Tools

- Auto Format ⌘T
- Archive Sketch
- Fix Encoding & Reload
- Serial Monitor ⌘⇧M
- Board ▶
- Port ▶
- Programmer ▶
- Burn Bootloader

Port

- /dev/tty.Bluetooth-PDA-Sync
- /dev/cu.Bluetooth-PDA-Sync
- /dev/tty.Bluetooth-Modem
- /dev/cu.Bluetooth-Modem
- Yunaya at 192.168.1.17 (Arduino Yún)

```
/*
  Blink
  Turns on an LED on for one second, then off for one second,
  repeating.

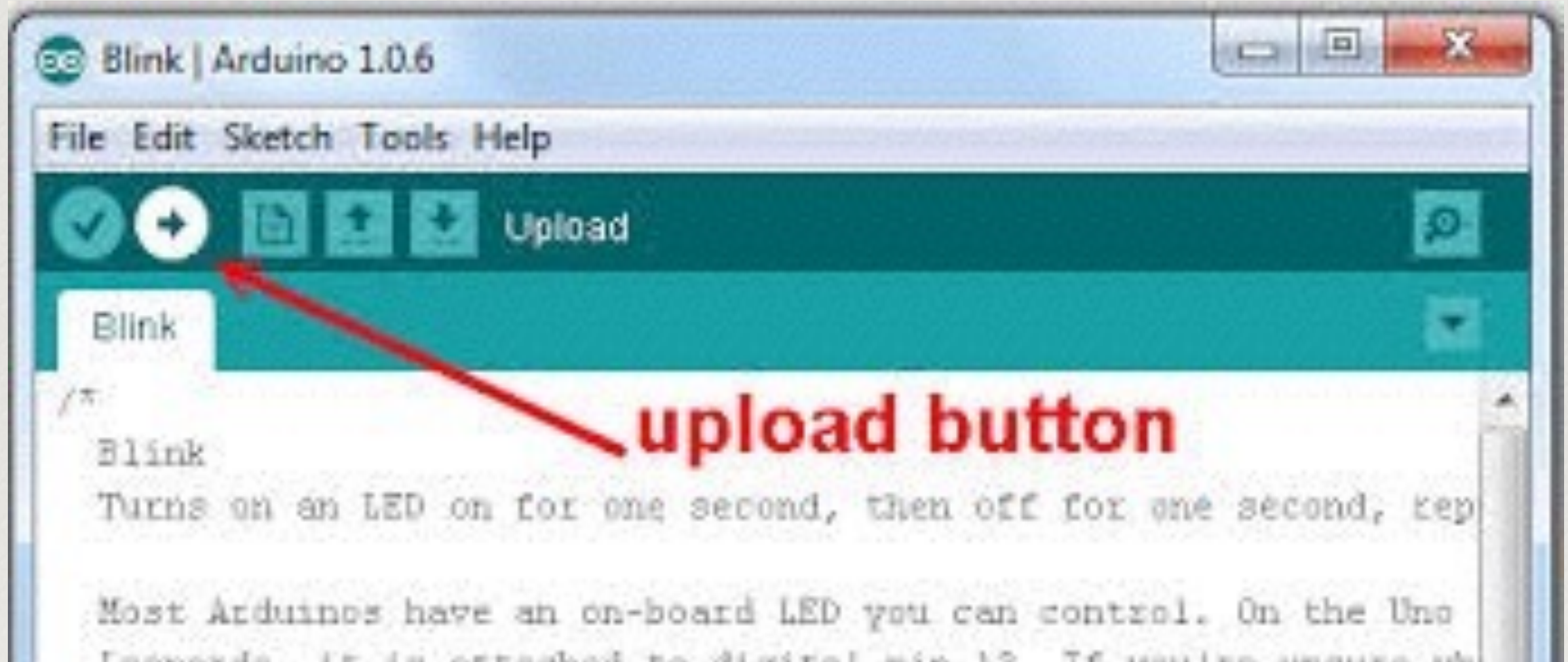
  This example code is in the public domain.
  */

// Pin 13 has an LED connected on most Arduino boards.
// give it a name:
int led = 13;

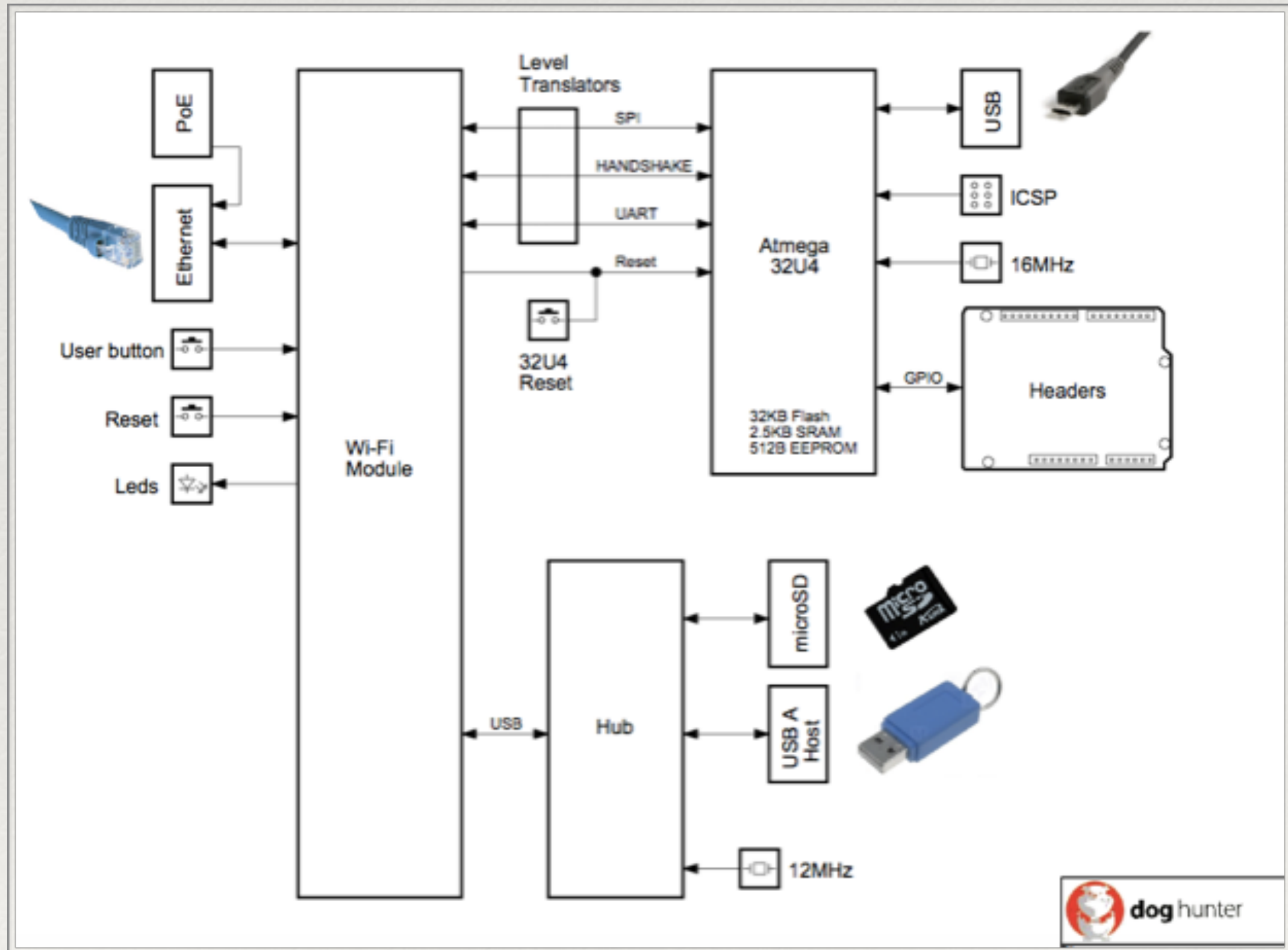
// the setup routine runs once when you press reset:
void setup() {
  // initialize the digital pin as an output.
  pinMode(led, OUTPUT);
}

// the loop routine runs over and over again forever:
void loop() {
  digitalWrite(led, HIGH); // turn the LED on (HIGH is the voltage level)
  delay(1000);             // wait for a second
  digitalWrite(led, LOW);  // turn the LED off by making the voltage LOW
  delay(1000);             // wait for a second
}
```

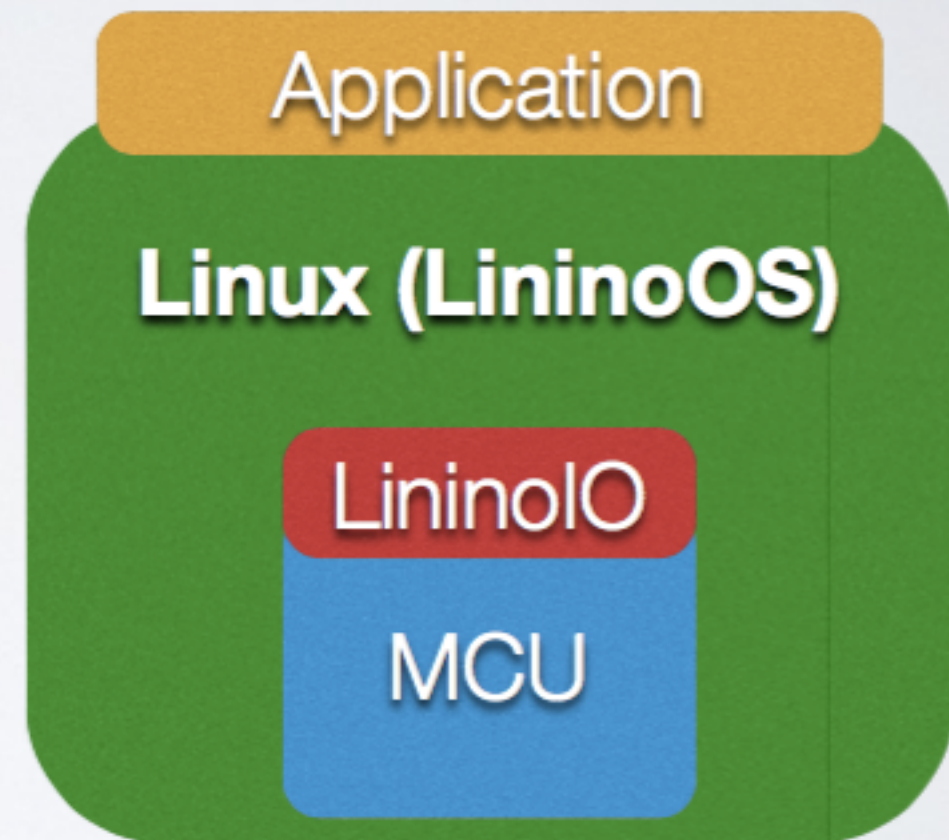
Invalid library found in /Users/tenayahurst/Documents/Arduino/libraries/sensoriumMozzi4aa7b90: Missing 'src' folder



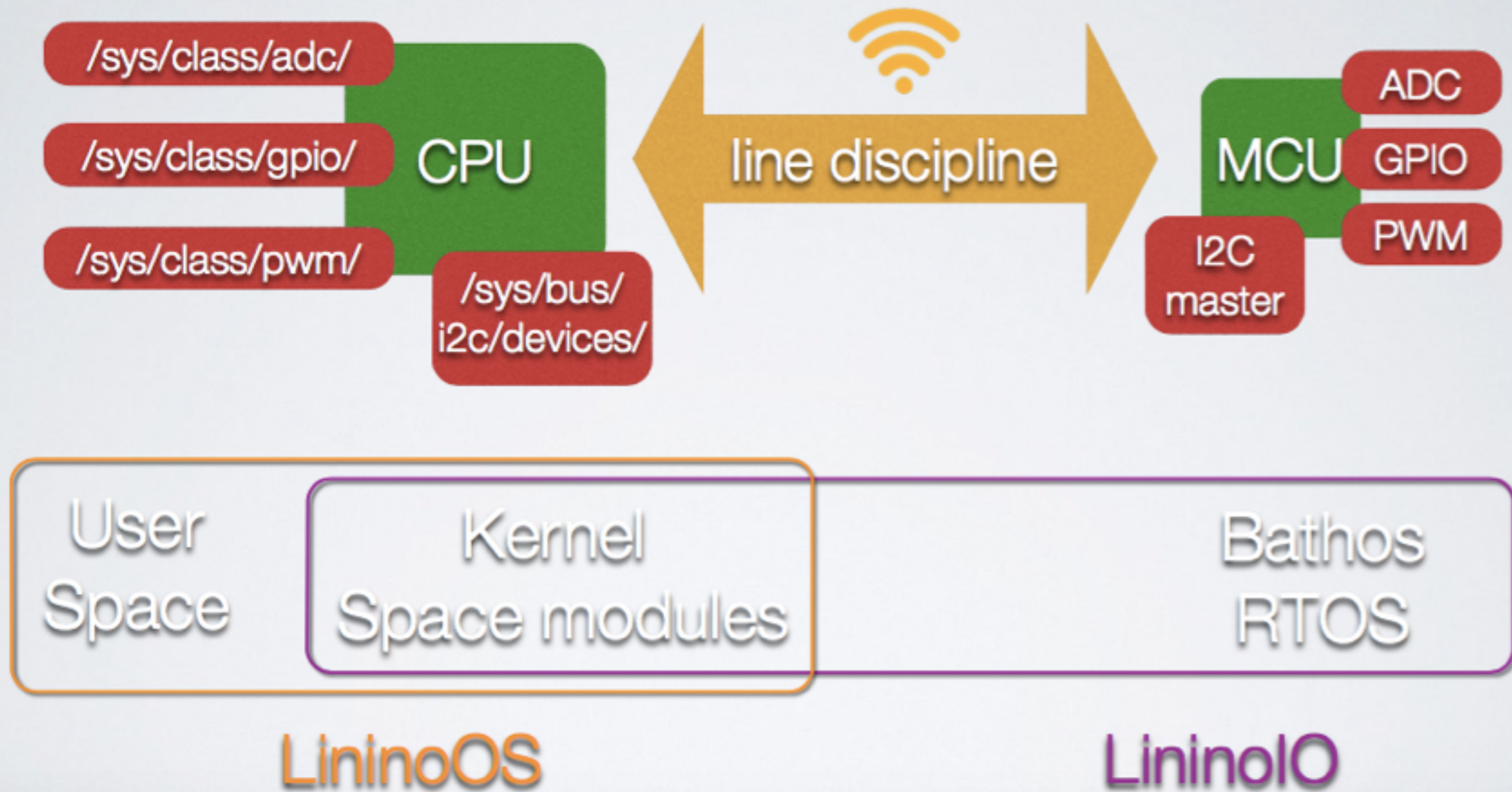
LininoIO on ATMEL 32u4 MCU + LininoOS on MIPS 400 MHz + WiFi 802.11 a/b/g/n 2.4



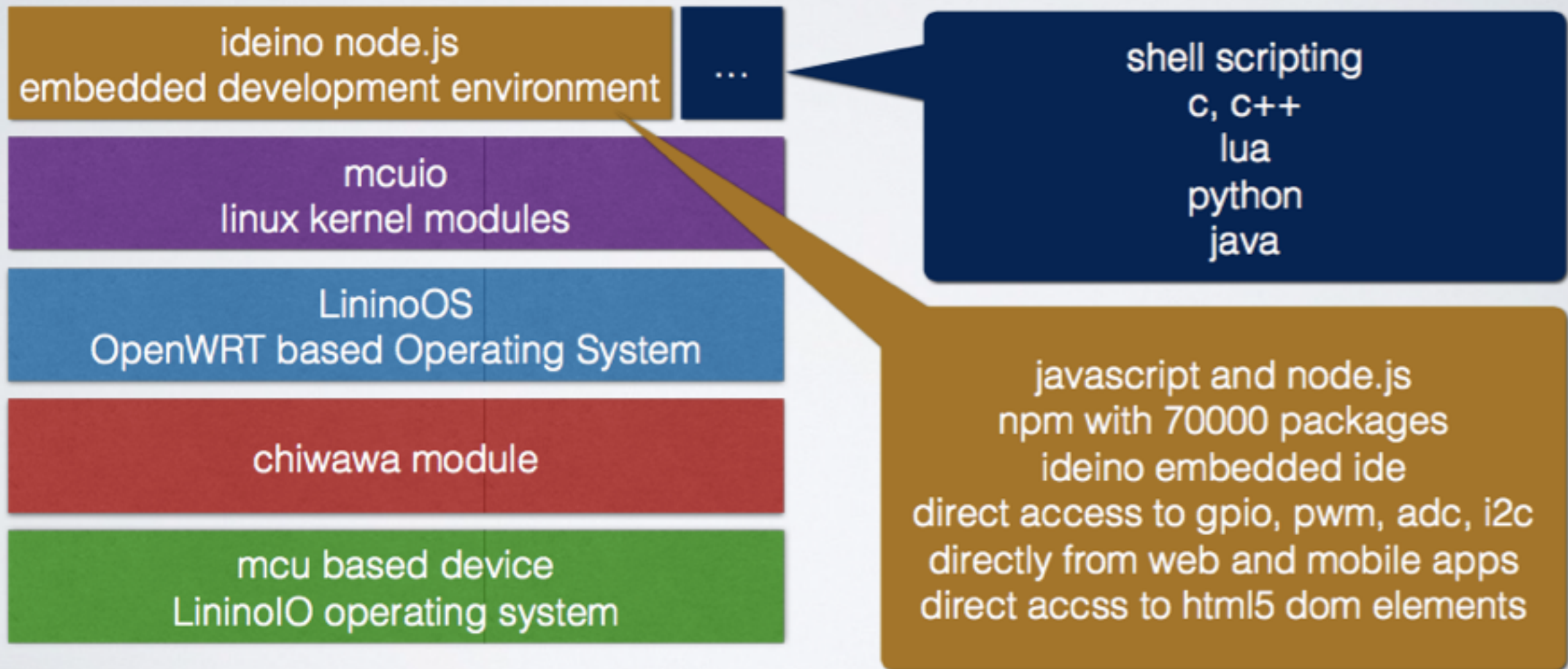
- LininoIO is a software framework able to integrate micro-controller features inside the microprocessor environment.
- You can write your application using AlljoynJS, Node.js, Python, Bash, etc., on lininoOS side using LininoIO to control the MCU and all the devices attached.



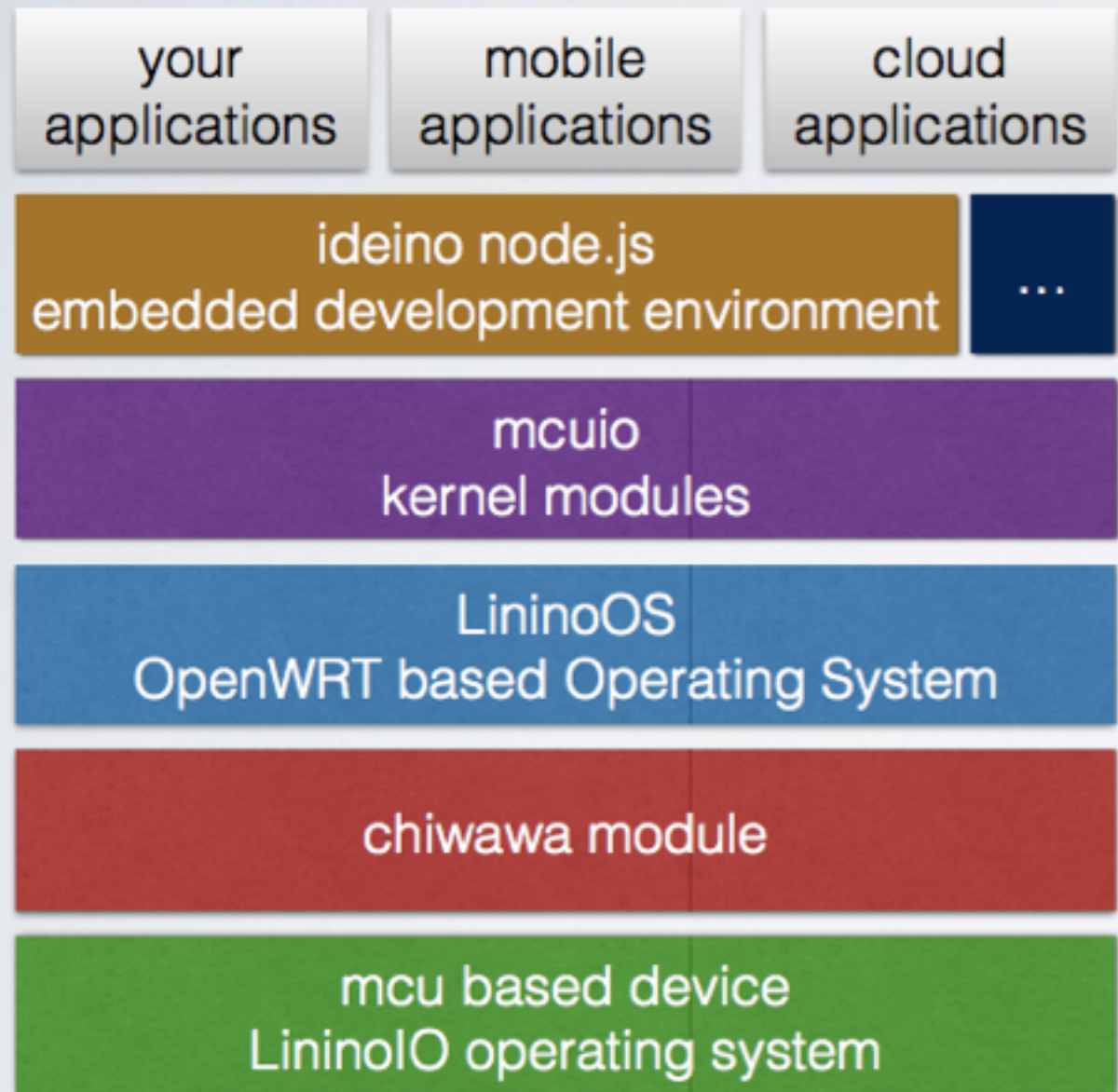
LininoOS/I/O Architecture



linino open stack



linino open stack



monitoring robotics

remote control

home automation

vehicle automation

drones control

energy management



linino.org arduino.org

more info on github, our wiki, and google!