WizFi Shield Manual

Introduction

WizFi shield uses Wiz820io, WizFi210 module and supports the Ethernet and Wi-Fi connectivity simultaneously.

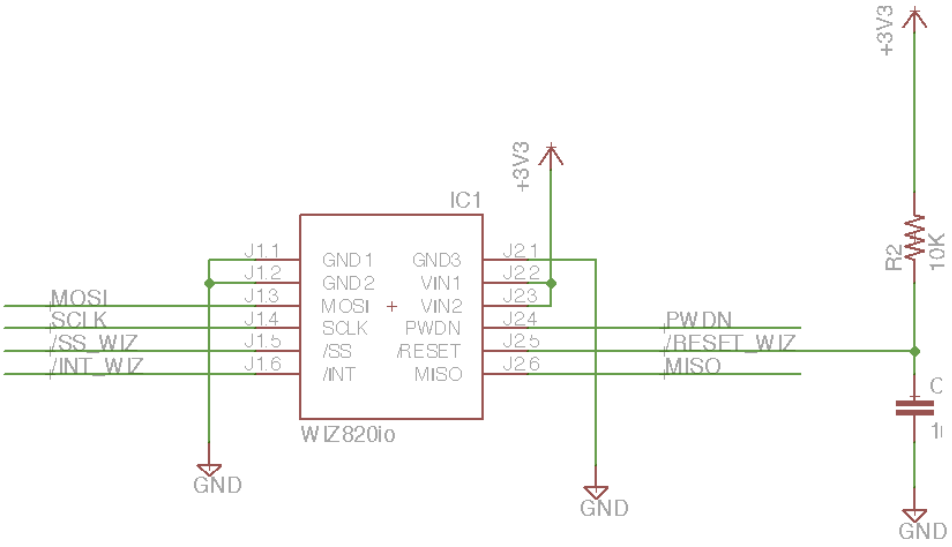
1. Hardware

a) Ethernet

-. Wiz820io is connected with SPI signals.

-. Other signals

- /SS_WIZ (Input): SPI slave chip select signal
- /RESET_WIZ (Input): H/W reset signal
- PWDN (Input): Set power down mode
- /INT_WIZ (Output): Interrupt signal

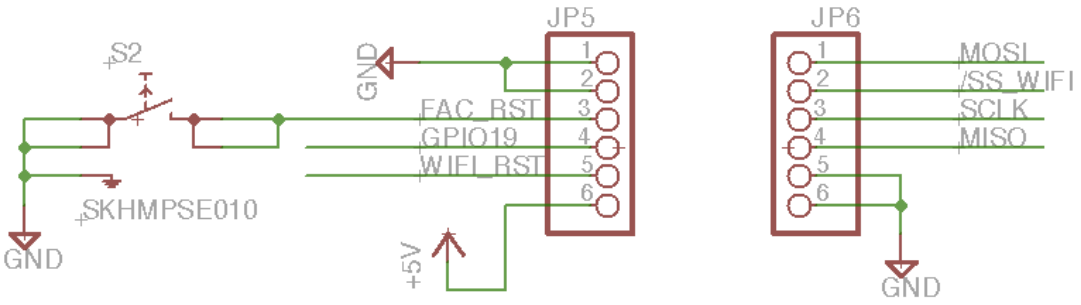


b) Wi-Fi

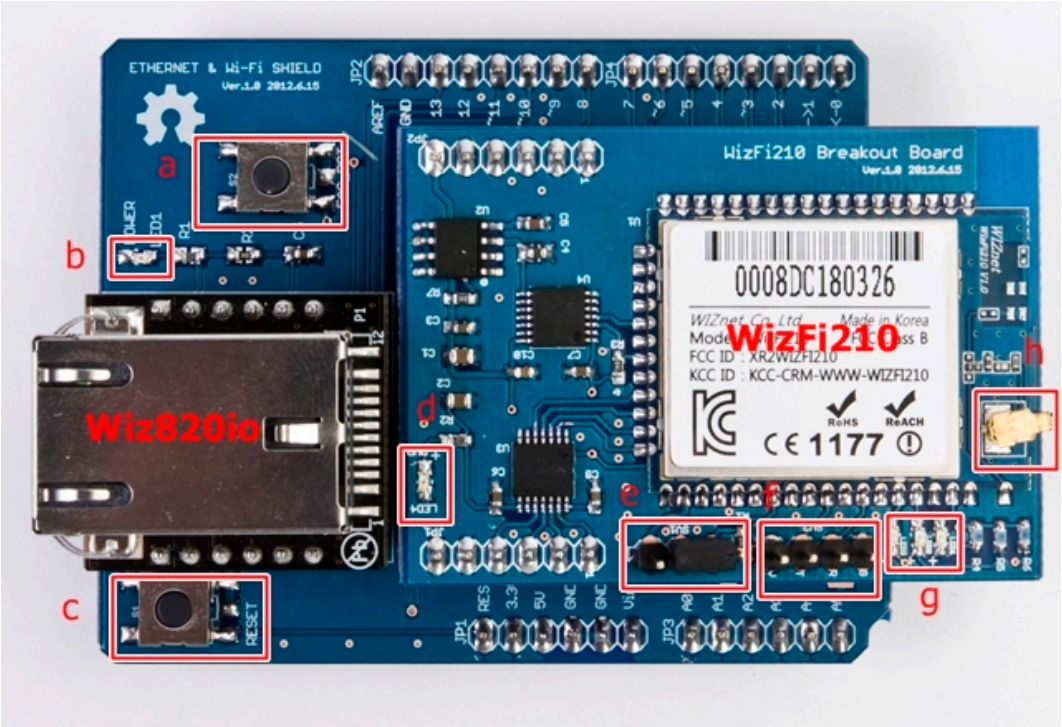
-. WizFi210 module is connected with SPI signals

-. Other signals

- /SS_WIFI(Input): SPI slave chip select signal
- FAC_RST (Input): Factory reset
- GPIO19 (Output): If this signal is high, indicate the data in the receive buffer in the WizFi210
- WIFI_RST (Input): Reset signal



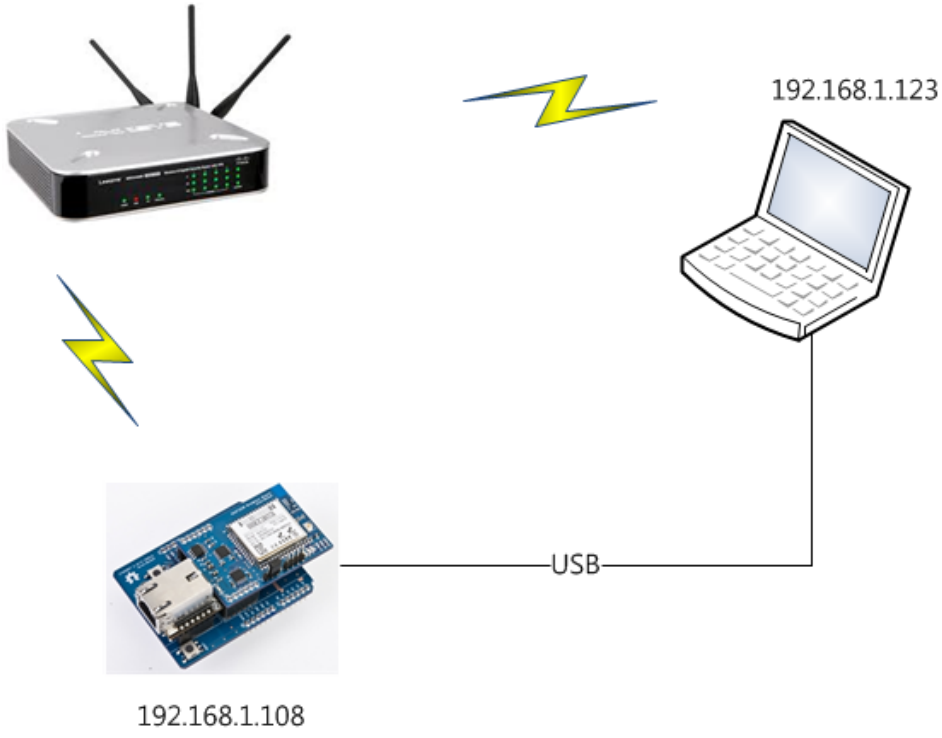
c) Hardware description



	H/W description
a	WizFi210 Factory Reset button
b	Power LED
c	Reset button
d	Power LED of WizFi210
e	Pin header: Select Run mode or F/W update mode of WizFi210
f	Pin header : UART interface of WizFi210
g	LEDs: Indicate the operation of WizFi210
h	Antenna

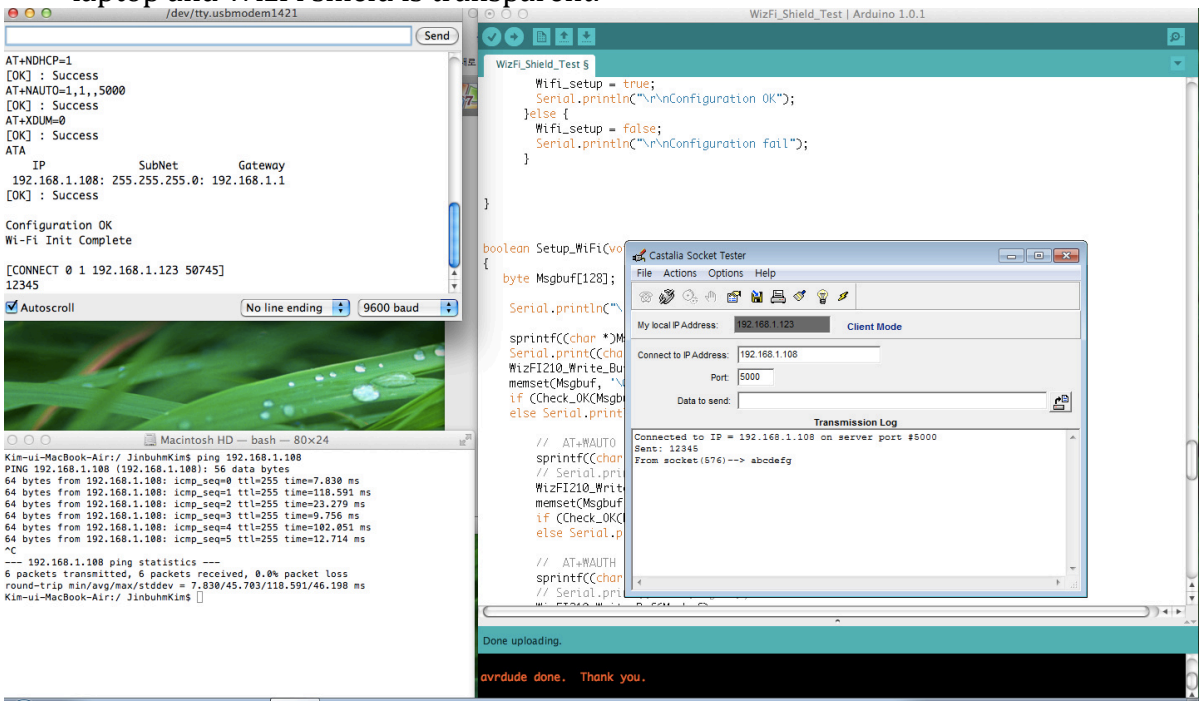
2. How to test?

a) Test environments



-. WizFi Shield gets the IP address using DHCP and works as TCP server.

-. Laptop connects to it. After the connection is established, the data between the laptop and WizFi shield is transparent.



3. Reference.

- Arduino source code & schematics can be download from Wiznet Github https://github.com/Wiznet/Arduino_WiFi_Shield
- WizFi210 datasheet
- Wiz820io datasheet