

Simple Web Server Wi-Fi

Description

This example creates a website with a on and Off button. When the On button is pressed the LED turns on, when the off button is pressed the LED turns off. We will be using the code provided under the examples on the Arduino* IDE 1.5.3.

Hardware

- Intel® Galileo
- Wi-Fi Card
- 1 LED

Instructions

1. Follow the instructions on the Wireless Card Tutorial to set up wireless card.
2. Connect the positive side of the LED to pin 13 on the Galileo board.
3. Connect the negative side of the LED to GND pin on the Galileo Board
4. Connect power supply to the Galileo and USB to USB Client Port on the Galileo.
5. Open Arduino IDE under Tools → Board select Intel® Galileo
6. Under Tools → Serial Port select the Com # where the Galileo is connected to.
7. Under File → Examples → Wifi and select the “SimpleWebServerWiFi” example.
8. Change the char ssid[] = “yourNetwork” with your network name.
9. Change the char pass[] = “secretPassword” with your network password.
10. Upload to the Galileo by clicking the upload button. 
11. Monitor the value of the potentiometer in the Serial Monitor. 
12. On a device connected on the same network open a web browser and go to the IP address displayed on the Serial Monitor.

Circuit

