

Arduino Bootcamp : Learning Through Projects

Online Weather Station - Using a Wifi Shield to Connect to a Network - Part 2

Project Objectives

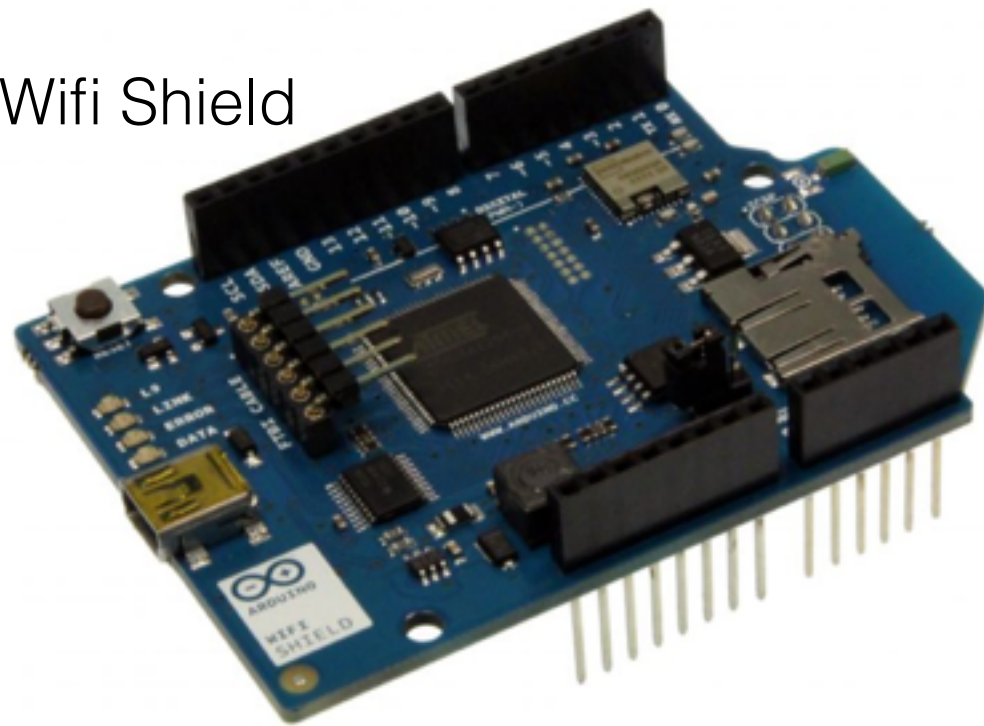
- In this project you will learn:
 - About the Arduino Wifi Shield
 - How to use the shield to connect to a network
 - About the shield ecosystem in Arduino
 - Connecting to the Weather Underground API to retrieve weather information

Parts

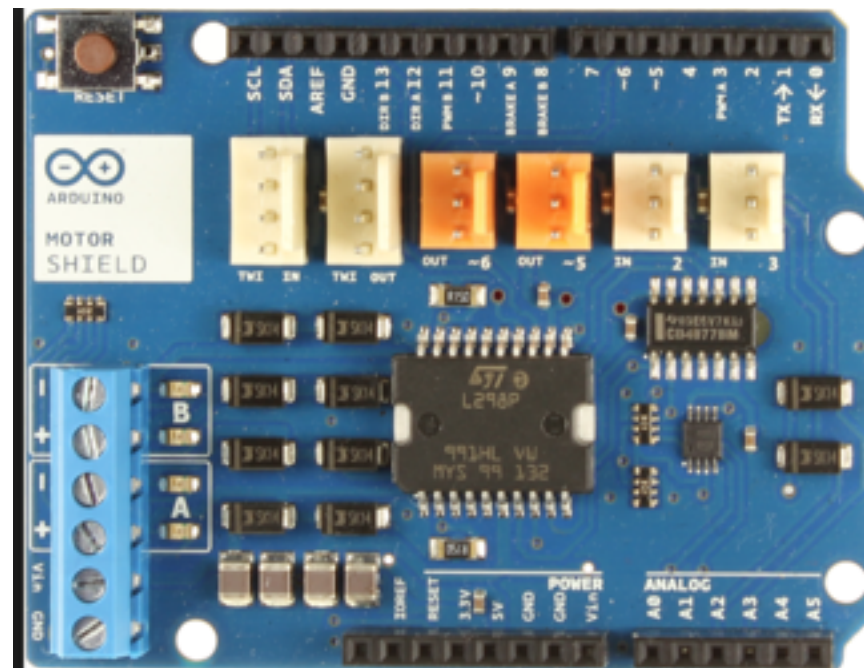
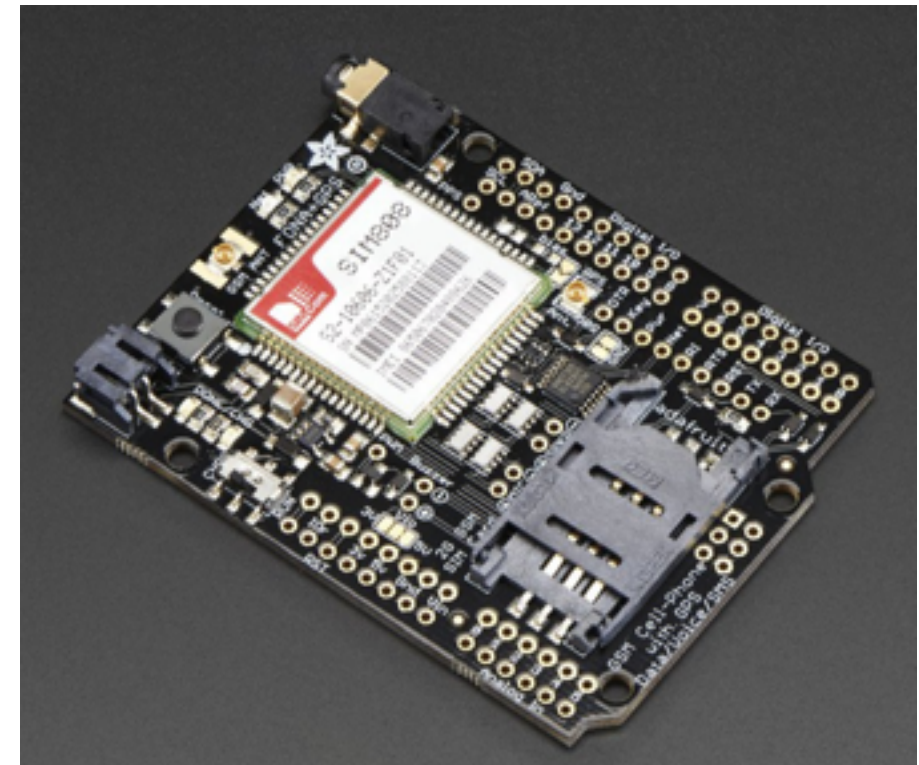
- Arduino Uno
- USB A-B cable
- Arduino Wifi Shield

Shields

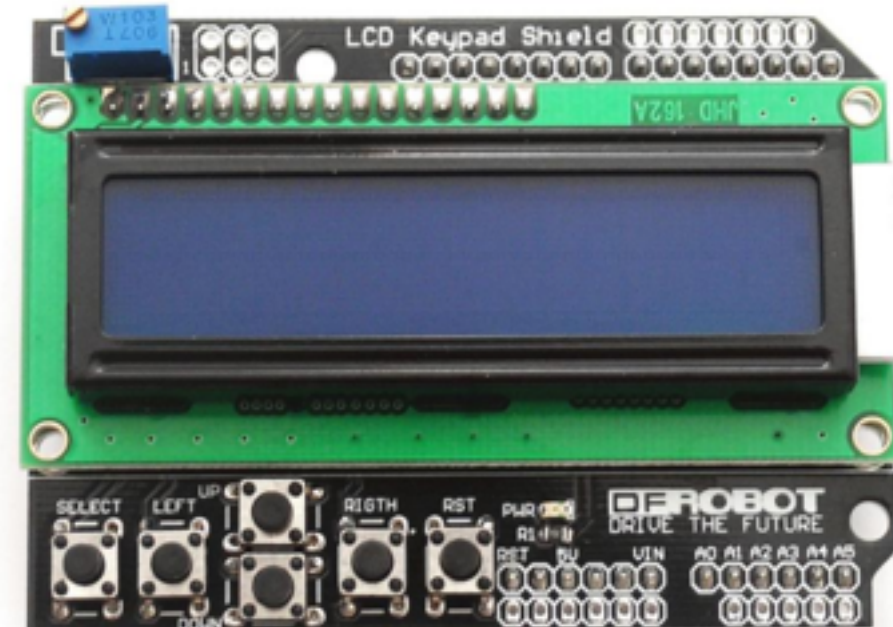
Wifi Shield



GSM Shield



Motor Shield



LCD Shield

Summary

- In this project you learnt:
 - About shields and how they extend functionality of base Arduino hardware
 - How the Arduino Wifi shield works
 - How to connect to a network using the Arduino Wifi shield
 - How to retrieve weather information from the Weather Underground API