

WiFi Weather Station

I would like to build a weather station that measures temperature (sensor) and humidity (sensor) in two locations and display (actuator) the current date and time (real time clock module). The information should be send to a website which I can access via my smartphone.

Special Toolkit next to Arduino & Wifi Shield:

- The DHT22 temperature and humidity sensor.



- The DS3231 real time clock module is as its name suggest a Real Time Clock. Using its battery it can keep time for years since it has minimal power consumption.



Need for wifi

The system will be placed at my backdoor. I need a wifi connection so I can check the data on my smartphone without going outside.