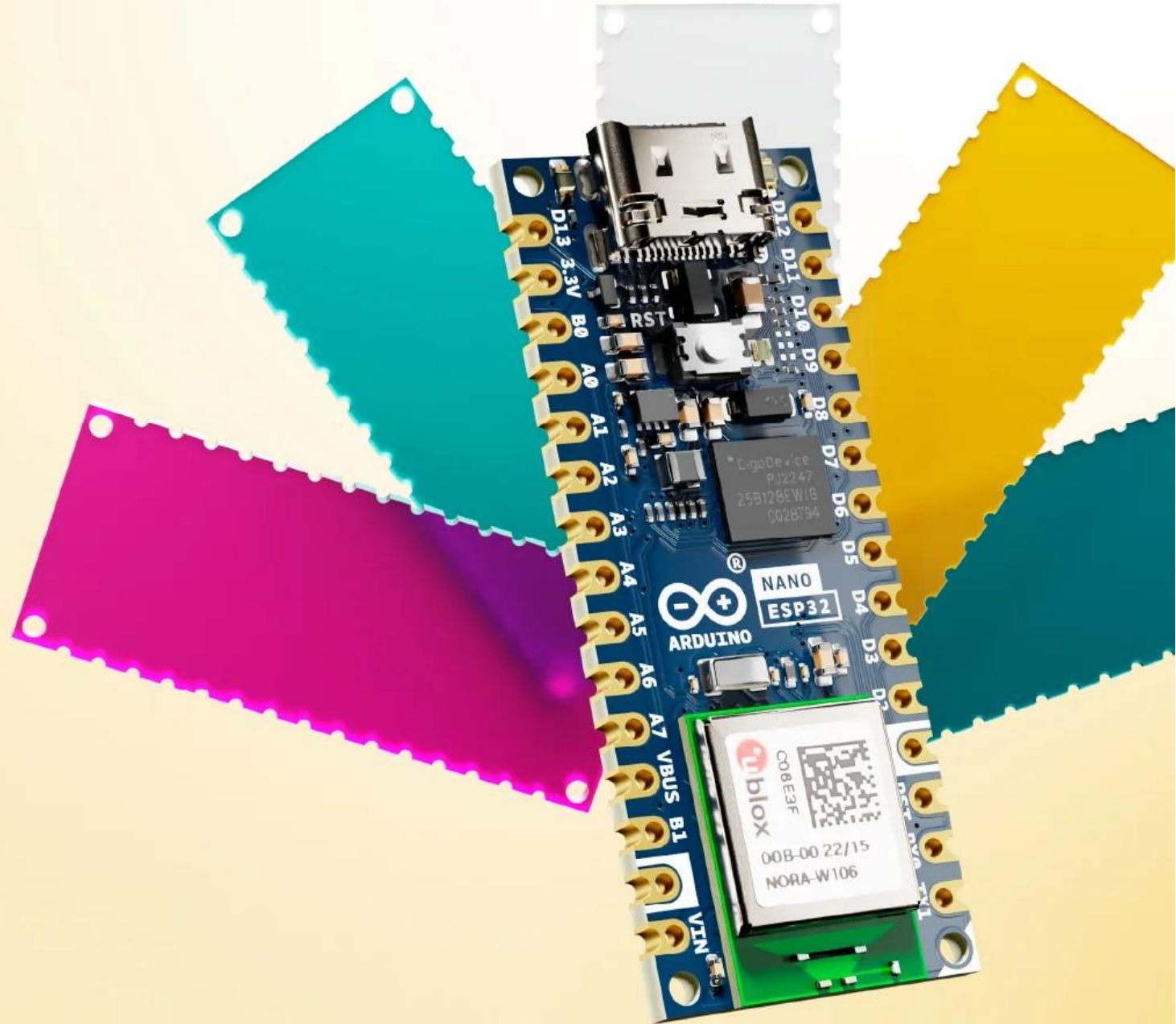
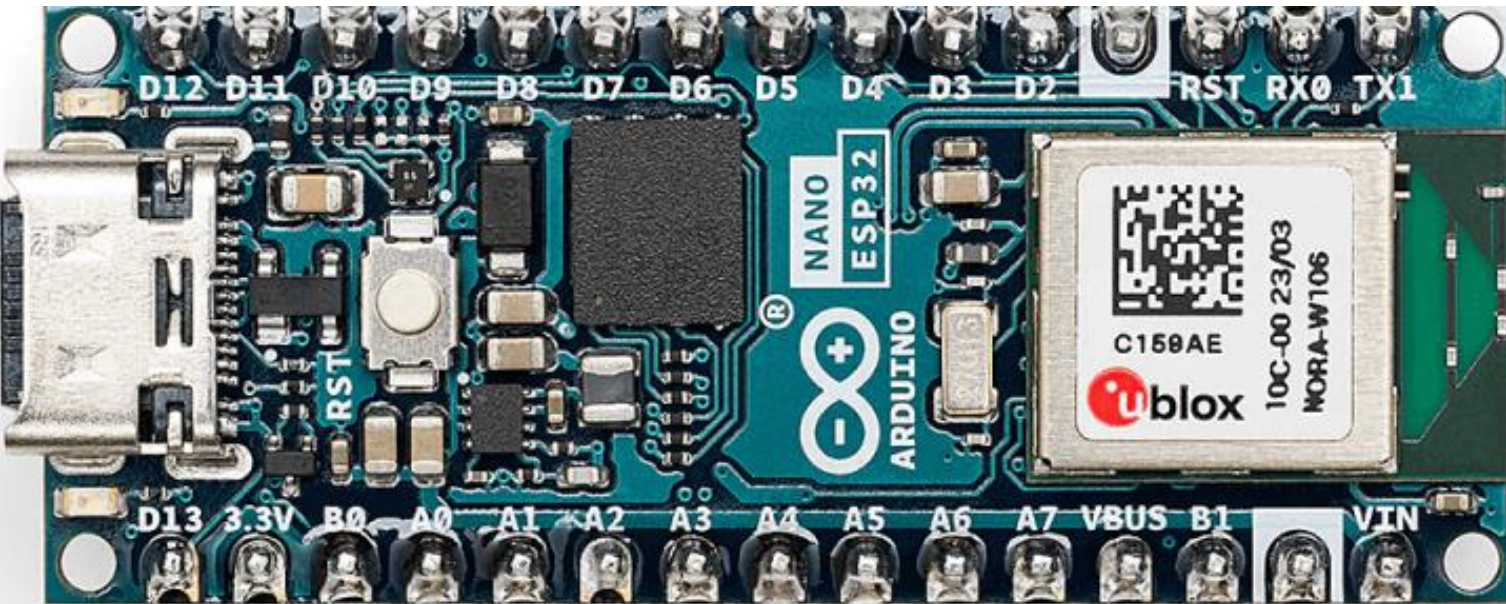


Episode 12 ตอนที่ 5 การส่ง  
ค่าจาก Webserver มา  
แสดงผลผ่าน WiFi โดยใช้  
Arduino Nano ESP32





## ■ Connectivity

- Wi-Fi®
- Bluetooth® LE
- Built-in antenna
- 2.4 GHz transmitter/receiver
- Up to 150 Mbps

### 6.2 Wi-Fi®

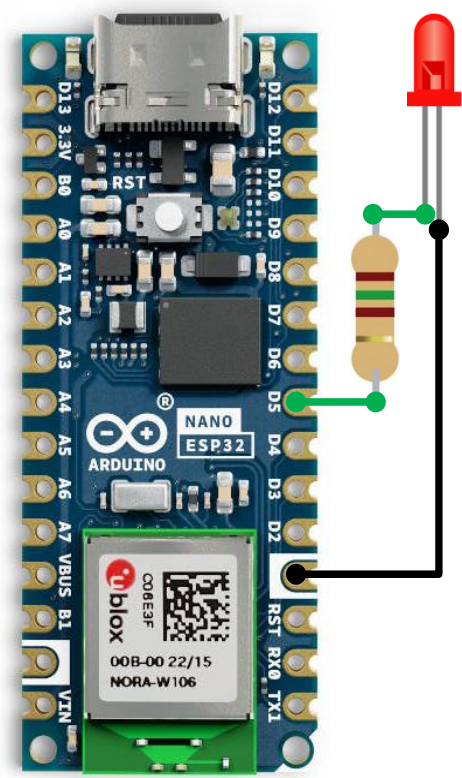
The NORA-W106-10B module supports the Wi-Fi® 4 IEEE 802.11 standards b/g/n, with an output power EIRP at up to 10 dBm. The max range for this module is 500 meters.

- 802.11b: 11 Mbit/s
- 802.11g: 54 Mbit/s
- 802.11n: 72 Mbit/s max at HT-20 (20 MHz), 150 Mbit/s max at HT-40 (40 MHz)



SSID: **TP-Link\_D50B**  
Password: **41624151**

IP Address:  
192.168.0.116

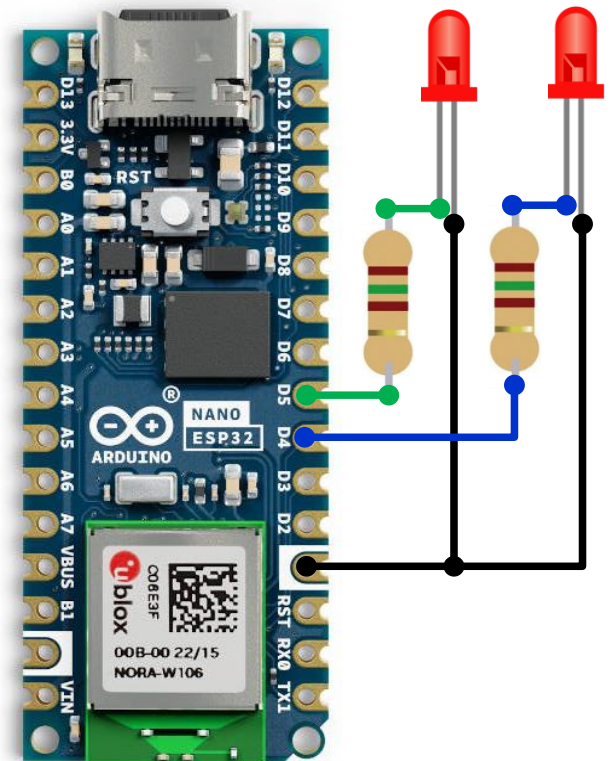


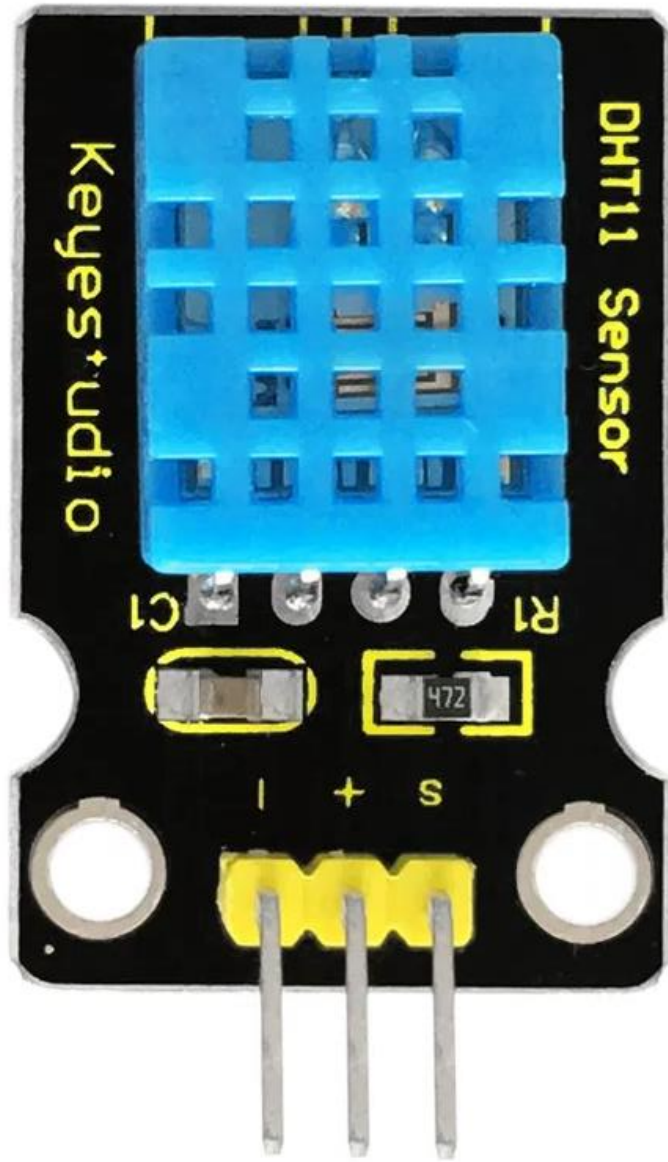




SSID: **TP-Link\_D50B**  
Password: **41624151**

IP Address:  
192.168.0.116



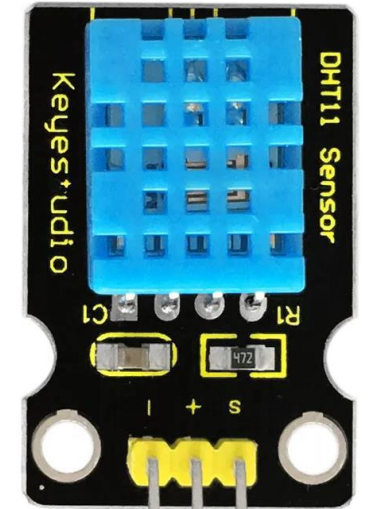
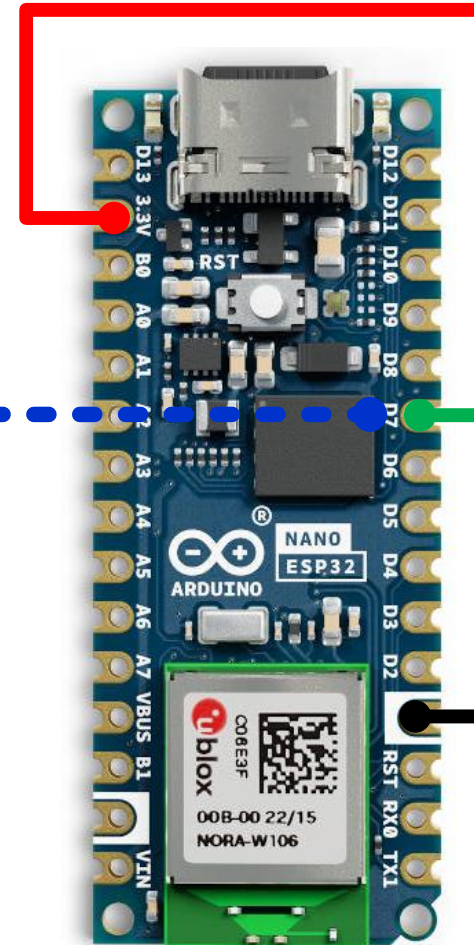
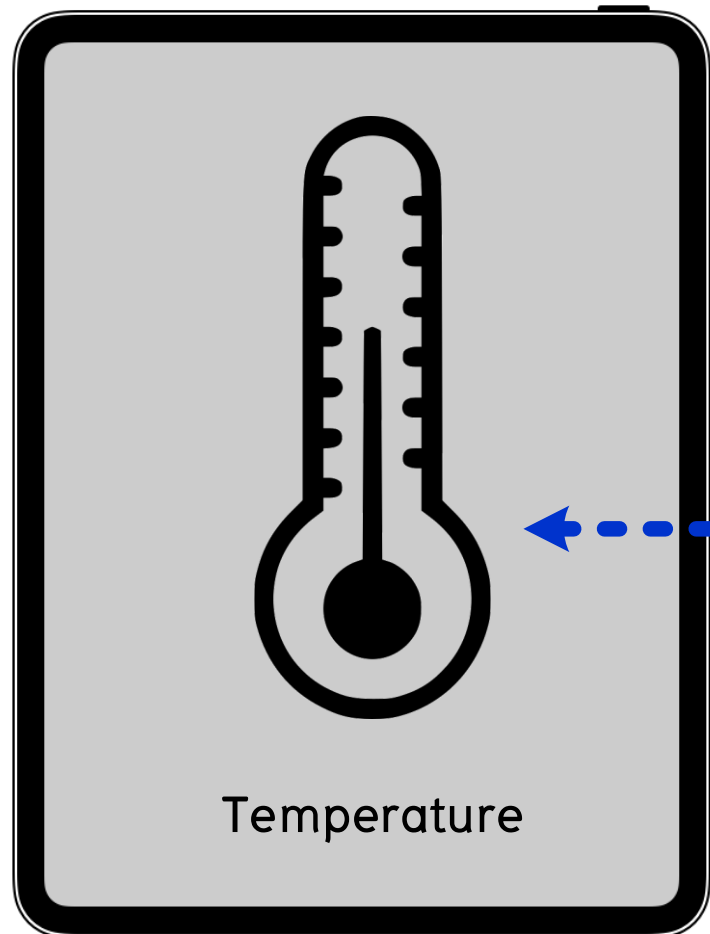


DHT11 Module

SSID: TP-Link\_D50B

Password: 41624151

DHT11



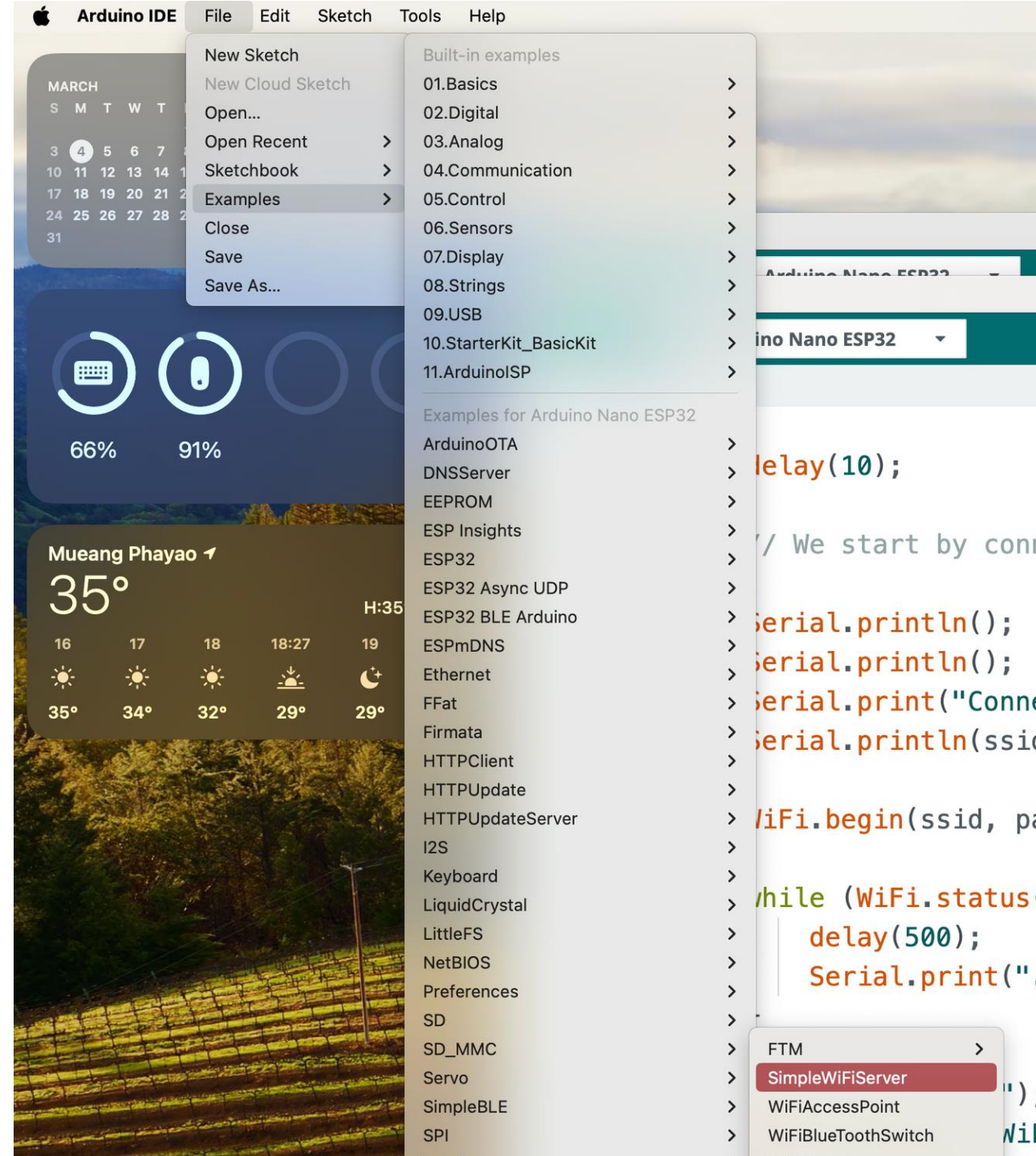
```
1  #include <dhtnew.h>
2  DHTNEW mySensor(5); // เชื่อมต่อเซ็นเซอร์ที่ขา D5
3  void setup()
4  {
5      Serial.begin(115200); // อัตราบอดเรตอยู่ที่ 115200
6  }
7  void loop()
8  {
9      mySensor.read();
10     Serial.print("ค่าความชื้นในอากาศ: ");
11     Serial.print(mySensor.getHumidity(), 2);
12     Serial.println("  %");
13     Serial.print("ค่าอุณหภูมิของอากาศ: ");
14     Serial.print(mySensor.getTemperature(), 2);
15     Serial.println(" องศา");
16     delay(1000);
17 }
```

โปรแกรมทดสอบโมดูล  
เซ็นเซอร์ DHT11

## Arduino Code – Simple Web Page

```
1  /*
2   * Created by ArduinoGetStarted.com
3   *
4   * This example code is in the public domain
5   *
6   * Tutorial page: https://arduinogetstarted.com/tutorials/arduino-temperature-via-web
7   */
8
9  #include <WiFi3.h>
10 #include <OneWire.h>
11 #include <DallasTemperature.h>
12
13 const char ssid[] = "YOUR_WIFI"; // change your network SSID (name)
14 const char pass[] = "YOUR_WIFI_PASSWORD"; // change your network password (use for WPA, or use as key for WE
15
16 const int SENSOR_PIN = 6; // Arduino pin connected to DS18B20 sensor's DQ pin
17
18 OneWire oneWire(SENSOR_PIN); // setup a oneWire instance
19 DallasTemperature tempSensor(&oneWire); // pass oneWire to DallasTemperature library
20
21 int status = WL_IDLE_STATUS;
22
23 WiFiServer server(80);
24
25 float getTemperature() {
26     tempSensor.requestTemperatures(); // send the command to get temperatures
27     float tempCelsius = tempSensor.getTempCByIndex(0); // read temperature in Celsius
28     return tempCelsius;
```





# SimpleWiFiServer