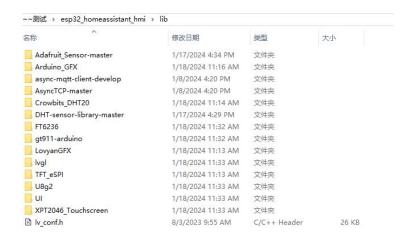
3.5inch_Squareline_Terminal_ SPI_Demo Download Introduction

1. Operation before downloading cases

(1) Place all the lib library files provided in the folder into the libraries file of the arduino.

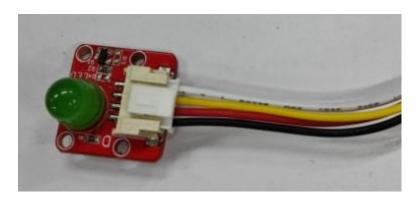


Sensor wiring:

(1) Temperature and humidity sensor (Crowtail-AM2302) with IO40 interface



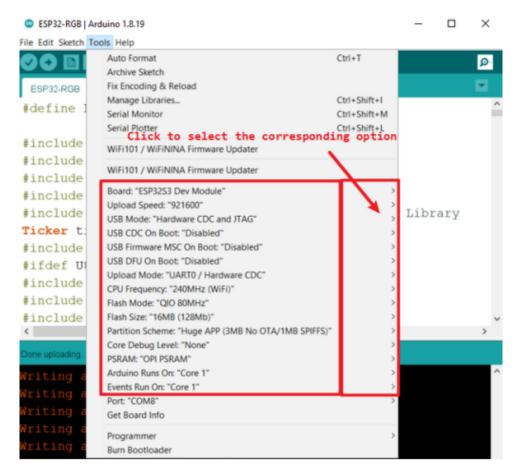
(2) LED to IO22 port



2.Use arduino software to open
3.5inch_Squareline_Terminal_SPI_Demo.ino,arduino
related operations can refer to this screen wiki

(https://www.elecrow.com/esp-terminal-3-5-inch-320-480-spi-tft-capacitive-touch-display-with-ov2640-camera.html)

Download Settings:



3. Download the programme.

4. Operational effects.



5. Explanation of key points with MQTT

(1) WiFi and server address settings, the network needs to be in the same LAN, the server address and port that is the address and port automatically generated by Raspberry Pi.

```
File Edit Sketch Tools Help

3.5inch_Squareline_Terminal_RGB_Demo FT6236.cpp FT6236.h ui.c ui.h ui_events.h ui_helpers.c ui_help

19
20 #define LED 19

21
22 #define WIFI_SSID "yanfa_software"
23 #define WIFI_PASSWORD "yanfa-123456"

24
25 // Rasphaner Di Macquitta MQDD Draker
26 #define MQTT_HOST IPAddress(192, 168, 50, 233)

27
28 // For a cloud MQTT broker, type the domain name
29 //#define MQTT_HOST "example.com"
30 #define MQTT_PORT 1885
```

(2) MQTT theme settings, the specific parameters are set according to the contents of the configuration.yaml file on the MQTT server.

```
28 // Temperature MQTT Topics
29 #define MQTT_PUB_LED_S "esp32/led/state"
30 #define MQTT_PUB_LED_C "esp32/led/command"
31 #define MQTT_PUB_TEMP "esp32/temperature"
32 #define MQTT_PUB_HUM "esp32/humidity"
33 #define mqtt_username "elecrow"
34 #define mqtt_password "elecrow2014"
35
```