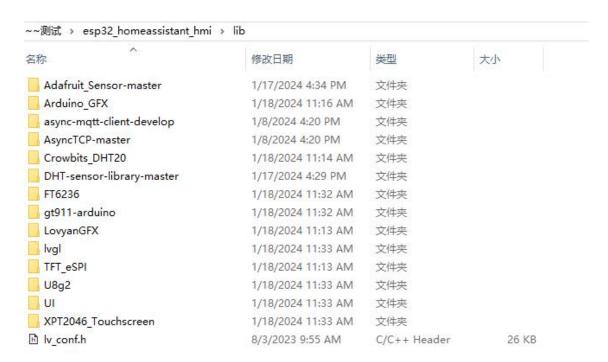
7.0inch_Squareline_Demo Download Introduction

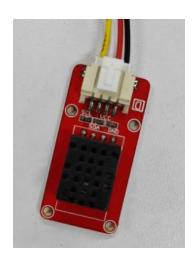
1. Operation before downloading cases

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

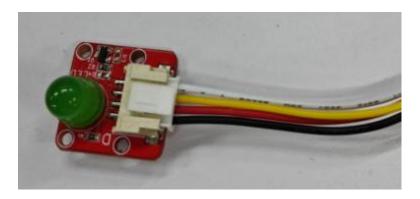


Sensor wiring:

(1) Temperature and humidity sensor (Crowtail-DHT20-V1.0) with IIC interface



(2) LED to IO38 port

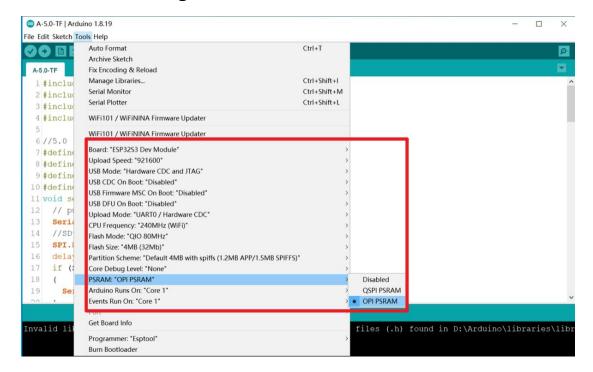


Use arduino software to open
 Oinch_Squareline_Demo.ino, arduino related operations
 can refer to this screen wiki

(https://www.elecrow.com/wiki/index.php?title=ESP32 Display 7.0%27%27 Intelli

gent Touch Screen Wi-Fi%26BLE 800*480 HMI Display)

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

7.0-inch_Squareline_Demo touchh wic wih wi_eventsh wi_helpersc wi_helpersh wi_img_elecrow_logo_pngc wi_img_h

7 #include "freertos/timers.h"

8 }

9 #include <AsyncMqttClient.h>

10 #include <Crowbits_DHT20.h>

11

12 #define WIFI_SSID "yanfa_software"

13 #define WIFI_PASSWORD "yanfa-123456"

14

15 // Rassberry ri Hosquitto Hgrr Broker

16 #define MQTT_HOST IPAddress(192, 168, 50, 233)

17

18 // For a cloud MQTT broker, type the domain name

19 //#define MQTT_HOST "example.com"

20 #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.

```
// 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"
```