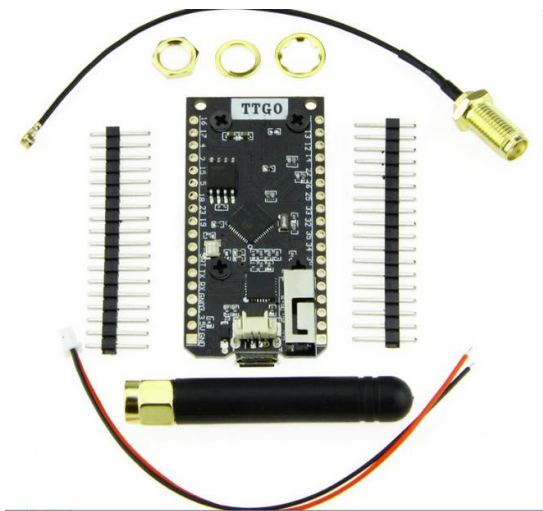


LORA32 868Mhz ESP32 LORA OLED 0.96 Inch Blue Display Bluetooth WIFI with wire

PN: 190207



The product uses Lora wireless for communication, with the frequency of 868mhz / 915MHz (the frequency is changed by burning firmware and hardware products, and the frequency is changed by burning software code of the product). The product is a pair of transmitting and receiving signal equipment, and a piece of default is transmitting equipment (because the screen of transmitting power connection will be on, and the received power connection needs to receive Lora signal to light the screen Convenient for customers to check whether the product is available)

The product is the same as 433MHz, but the frequency is high, and the product structure and antenna are different.

Product specification:

Main features:

This product is based on the sx1276 chip of esp32 Wi-Fi enhanced OLED, i.e. Lora remote modem, with the frequency of 868 / 915MHz, high sensitivity over - 148 DBM, + 20 DBM output power, high reliability and long transmission distance.

32 MB on-board flash Wi-Fi antenna, 0.96 inch blue OLED display, lithium battery charging circuit, CP2102 interface and USB serial chip, support Arduino development environment, can be used for program inspection and product development, convenient and fast.

Product specification:

Working voltage: 3.3-7 V

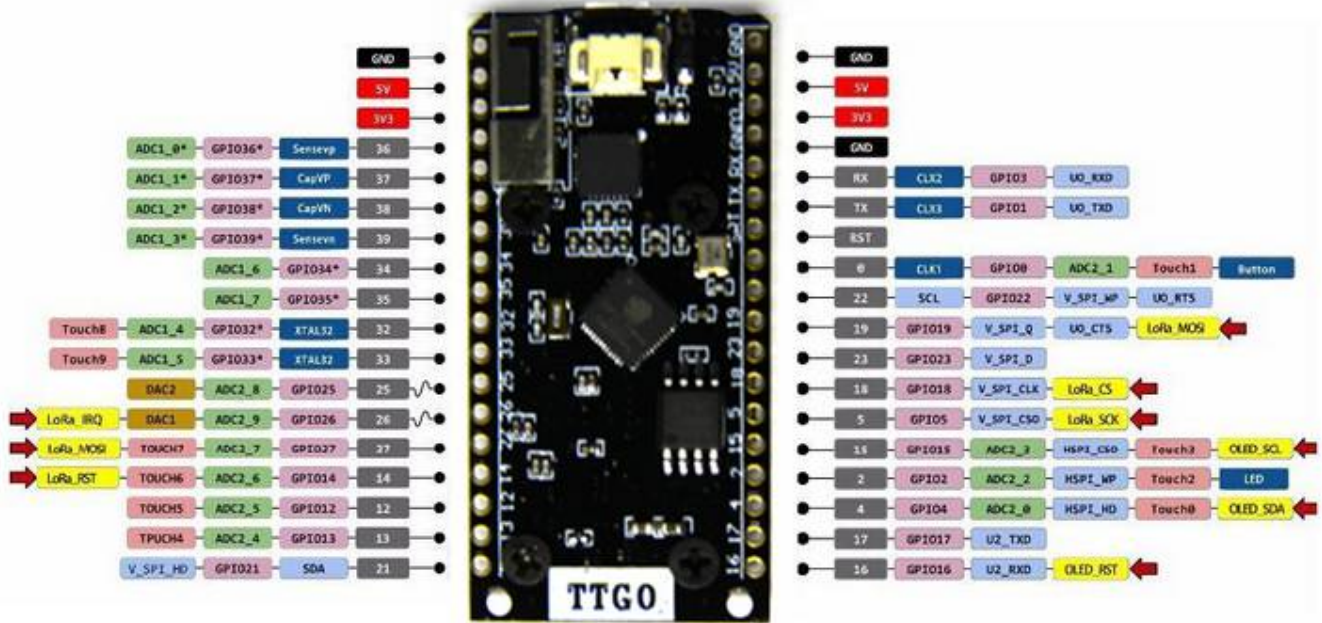
- operating temperature range: - 40 to 90 ° C
- support for sniffer software protocol analysis, station, SoftAP and Wi-Fi direct modes
- data rate: 150 Mbps at 11n ht40, 72 Mbps at 11n HT20, 54 Mbps at 11g, 11 Mbps at 11B
- transmit power: 19.5 DBM at 11.5 dB, 16.5 DBM at 11 g, 15.5 DBM at 11 n
- receiver sensitivity up to - 98 dBm

UDP continuous throughput: 135 Mbps

Lithium battery charging and discharging circuit, when the battery is full, the blue LED will stop working. Please pay attention to the positive and negative poles of the battery when using, otherwise it will be damaged!

Through the touch signal input of IO port touch screen, you need to add 100nF pull-down capacitor on the pin!

# Pin diagram



## 烧写程序步骤图

esp8266\_deauther | Arduino 1.8.1

File Edit Sketch Tools Help

The screenshot shows the Arduino IDE interface with the 'Tools' menu open. The 'Board' submenu is expanded, and 'ESP32 Dev Module' is selected. The code editor shows the following code:

```
#include <ESP8266.h>
#include <ESP8266WiFi.h>
#include <FS.h>

// Settings //

#define USE_DISPLAY
// #define RESET_PIN
// #define USE_WIFI

// Including external libraries
#ifndef USE_DISPLAY
#include <Wire.h>
#endif

//include the display library
#include "SSD1306.h"
#include "SH1106.h"

//create display(Adr, SDA-pin, SCL-pin)
SSD1306 display(0x3c, 5, 4); //GPIO 5 = D1, GPIO 4 = D2
//SH1106 display(0x3c, 5, 4);
```