3.2 inch ESP32 module

ESP32-2432S032N/R/C

List

Product description

This LCD module uses ESP32-WROOM-32 module as the main control, the main control is a dual-core MCU, integrated WI-FI and Bluetooth functions, the main frequency can reach 240MHz, 520KB SRAM, 448KB ROM, Flash size is 4MB, The display resolution is 240x320, resistive touch. The module includes LCD display screen, backlight control circuit, touch screen control circuit, speaker drive circuit, photosensitive circuit and RGB-LED control circuit. TF card interface, serial interface, temperature and humidity sensor interface (DHT11 interface) and reserved IO port interface, this module supports development in arduino IDE, ESP IDE, Micropython and Mixly.

Features

●3.2-inch color screen, support 16 BIT RGB 65K color display, display rich colors

●240X320 resolution

●The sample program has been programmed in the factory and can be plugged in

●With TF card slot for easy expansion storage

●Provide arduino library functions and sample programs to facilitate rapid secondary development

●Support one-click download program

●Military-grade process standards, long-term stable work

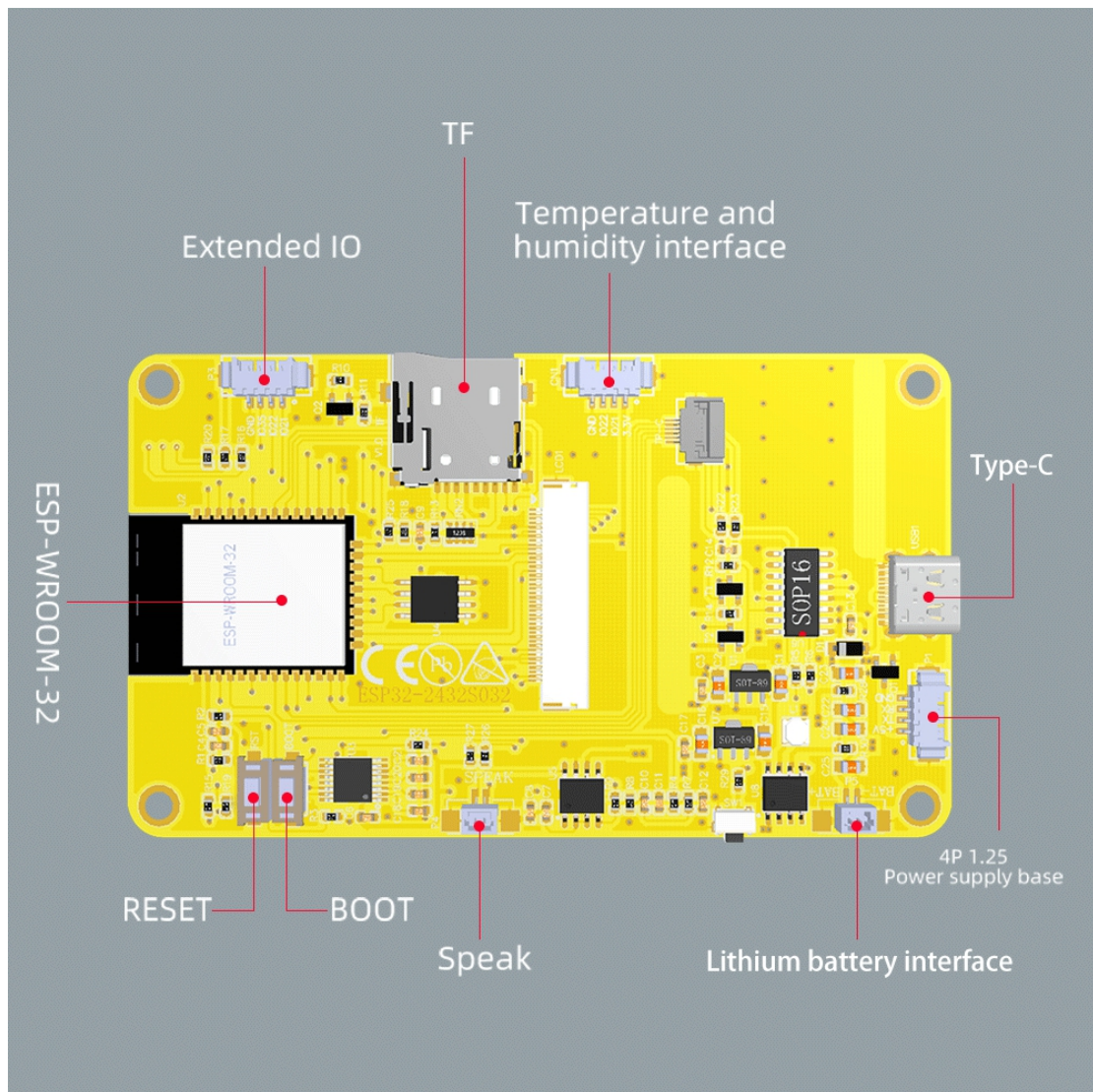●Support the lithium battery to be charged and discharged at the same

time, with battery overcharge and discharge protection.

Product parameters

Name	Describe	Remark
Display color	RGB 65K color	
SKU	Without touch：ESP32-2432S032N	
SKU	Resistive touch：ESP32-2432S032R	
SKU	Capacitive touch：ESP32-2432S032C	
Size	3.2 inch	
Type	TFT	
Driver chip	ST7789	
Resolution	240*320(Pixel)	
Effective display area	64.8*48.6(mm)	
Module size	93.7*55.0(mm)	
View	IPS	
Operating temperature	-20℃~70℃	
storage temperature	-30℃~80℃	
Operating Voltage	5V	
Power consumption	About 140mA	
Product weight	About 40g	

Interface Description

Product Size