



深圳市晶彩智能有限公司  
Shenzhen Jingcai Intelligent Co., Ltd

# **5.0 inch ESP32 module**

## **ESP32-8048S050N/C**



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## Product description

This LCD module uses ESP32-S3-WROOM-1 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, 512KB SRAM, 384KB ROM, 8M PSRAM,Flash size is 16MB, The display resolution is 800\*480, without touch or Capacitive touch. The module includes LCD display screen, backlight control circuit, touch screen control circuit . Reserve the TF card interface ,IO port interface, this module supports development in arduino IDE, ESP IDE, Micropython and Mixly.

## Features

- 5.0-inch color screen, support 16 BIT RGB 65K color display, display rich colors
- 800X480 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



## Product parameters

Name	Describe	Remark
Display color	RGB 65K color	
SKU	wituhout touch: ESP32-8048S050N	
SKU	Capacitance touch: ESP32-8048S050C	
Size	5.0 inch	
Type	TFT	
Driver chip	St7262	
Resolution	800*480(Pixel)	
Effective display area	108.00* 64.80(mm)	
Module size	137.0*84.0(mm)	
View	IPS	
Operating temperature	-20℃~70℃	
storage temperature	-30℃~80℃	
Operating Voltage	5V	
Power consumption	About 320mA	
Product weight	About 150g	



## Interface Description



