

zagnuts

Some doco

0c0cb91 · 6 months ago

History

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# 1.28 inch ESP32 module

## ESP32-2424S012N/C



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深圳市晶彩智能有限公司  
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Product description

This LCD module uses ESP32-C3-MINI-1U module as the main control, the main control is a Single Core MCU, integrated WI-FI and Bluetooth functions, the main frequency can reach 160MHz, 400KB SRAM, 384KB ROM,Flash size is 4MB, The display resolution is 240\*240 IPS display, without touch or capacitive touch. The module includes LCD display screen, backlight control circuit,IO port interface, this module supports development in arduino IDE, ESP IDE, Micropython and Mixly.

Features

- 1.28-inch color screen, support 16 BIT color display, display rich colors
- 240X240 resolution
- The sample program has been programmed in the factory and can be plugged in
- Equipped with a lithium battery charging interface, supporting both

charging and discharging, with overcharging and overcurrent protection.

- 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	16 bit color	
SKU	wituhout touch: ESP32-2424S012N-I	
	Capacitive touch:ESP32-2424S012C-I	
	White shell:ESP32-2424S012C-I-Y(W)	
	Black shell:ESP32-2424S012C-I-Y(B)	
Size	1.28 inch	
Type	TFT	
Driver chip	GC9A01	
Resolution	240*240(Pixel)	
Effective display area	Φ 32.4(mm)	
Module size	38.5*37.0(mm)	
View	IPS	
Operating temperature	-20℃~70℃	
storage temperature	-30℃~80℃	
Operating Voltage	5V	
Power consumption	About 100mA	
Product weight	About 20g	



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## Interface Description

