1.9 inch ESP32 module
ESP32-1732S019N

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List

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 170*320 IPS display, without 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

●1.9-inch color screen, support 16 BIT color display, display rich colors

●170X320 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
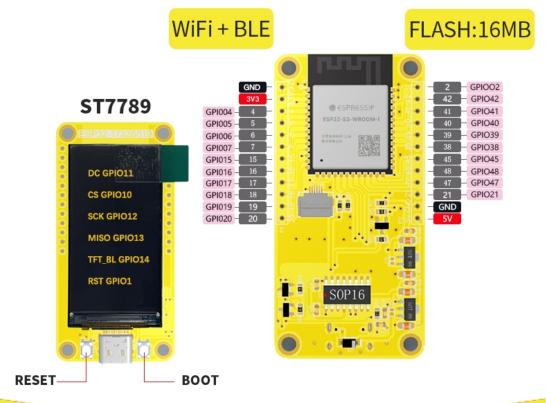
Product parameters

Name	Describe	Remark
Display color	16 bit color	
SKU	wituhout touch：ESP32-1732S019N	
Size	1.9 inch	
Type	TFT	
Driver chip	St7789	
Resolution	170*320(Pixel)	
Effective display area	42.72* 22.70(mm)	
Module size	65.0*32.0(mm)	
View	IPS	
Operating temperature	-20℃~70℃	
storage temperature	-30℃~80℃	
Operating Voltage	5V	
Power consumption	About 120mA	
Product weight	About 20g	

Interface Description

ESP32-1732S019

WiFi + BLE

FLASH:16MB

ST7789

GND
3V3
GPIO04 | 4
GPIO05 | 5
GPIO06 | 6
GPIO07 | 7
GPIO15 | 15
GPIO16 | 16
GPIO17 | 17
GPIO18 | 18
GPIO19 | 19
GPIO20 | 20

2 | GPIOO2
42 | GPIO42
41 | GPIO41
40 | GPIO40
39 | GPIO39
38 | GPIO38
45 | GPIO45
48 | GPIO48
47 | GPIO47
21 | GPIO21
GND
5V

ESP32-S3-WROOM-1

DC GPIO11

CS GPIO10

SCK GPIO12

MISO GPIO13

TFT_BL GPIO14

RST GPIO1

SOP16

RESET ——   —— BOOT

ESP32-S3-R8N16

1.9 inch ST7789 170 * 320 Resolution TFT IPS LCD

Product Size