1.8 inch ESP32-S3 module

JC3636W518C_I_Y

List

Product description

This LCD module uses ESP32-S3 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 360*360, Capacitive touch. The module includes LCD display screen, backlight control circuit, touch screen control circuit . Reserve the TF card interface , this module supports development in arduino IDE, ESP IDE, Micropython and Guition.

Features

- Computer secondary screen function (AIDA64), with 18 built-in styles
- Spectrum pickup function
- MP3 music playback function, can add MP3 files by yourself, can decode 320K high-quality MP3 files
- Electronic photo frame function, allowing users to add photos themselves
- MJPEG playback function, allowing users to add MJPEG files themselve
- Real time dynamic weather display function
- Theme clock display function, built-in with 4 anime fan theme clocks
- Wireless power supply function (supporting QI protocol), combined with wireless power bank to achieve true wireless effect
- Subsequent product feature upgrade
- Support one-click download program

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

Product parameters

Name	Describe	Remark
Display color	RGB 262K color	
SKU	Capacitive touch：JC3636W518C_I_Y	
Size	1.8 inch	
Type	TFT	
Driver chip	ST77916 CST816（touch）	
Resolution	360*360(Pixel)	
Effective display area	45.68* 45.68(mm)	
Module size	58*58*11(mm)	
View	IPS	
Operating temperature	-20℃~70℃	
storage temperature	-30℃~80℃	
Operating Voltage	5V	
Power consumption	About 180mA	
Product weight	About 50g	

Instructions

Distribution network

The AIDA64 secondary screen and weather clock of this device require network distribution for use. After powering on, the device will automatically open an AP named My App with a password of 12345678. Connect to this AP with your phone and wait for a moment. The network page will pop up, automatically searching for hotspots in the current environment. Select your hotspot and enter your password to complete the network. After the network is completed, the screen will obtain an IP address, which can be viewed on the WIFI page in the settings.

Note: Some mobile phones will automatically disconnect the 5G network used by the hotspot once they find that the hotspot cannot connect to the Internet. At this time, they need to connect to the AP again. If the network page does not pop up after connecting to the AP, please enter 192.168.4.1 on your mobile browser to open it.

Basic Operations

1. Display main menu

Swipe up from bottom in the touch area to call up the main menu in functions such as secondary screen, pickup, electronic frame, MJPEG playback, weather, and clock.

On the playlist screen of the music playback page, click the "〇" icon above to call up the main menu

Click the "<" icon on the settings page to bring up the main menu

Click on the main menu to enter various functional pages

2. Operation of each function

Secondary screen: Swipe left or right in the screen area to switch between different secondary screen styles.

Theme clock: Swipe left and right in the screen area to switch between different dials.

Weather: None

MJPEG playback: Swipe left or right in the screen area to switch between playing the next or previous file.

Album: Swipe left or right in the screen area to switch between playing the next or previous file.

Music playback: divided into playback page and menu/list page. By default, entering the menu/list page will automatically scan the mp3 files in the music directory on the TF card and list them. Click on the corresponding name to play and go to the playback page. Clicking anywhere on the playback page will display the menu/list page, and if there is no action after 3 seconds, the menu/list page will be automatically hidden.

Pick up spectrum: none

Settings: All settings functions are performed on the settings page. In order to extend the lifespan of Flash, modifications made on the settings page will only be saved to Flash when exiting the settings page.

Second control method: Web control

After successful networking, enter the settings page, click WiFi, enter the WiFi page, slide to the bottom and find the currently connected IP address. Enter the IP address of this device in the computer browser to enter the web control page.

Detailed usage instructions for each function

1、 Computer secondary screen function (AIDA64)

①Find an activated AIDA64 client (self).
②Menu [File] [Settings] [LCD], select Remote Sensor.
③Port 80, freely fill in a resolution of 1280 × 800, and select 'Enable Remote Sensor LCD Support'.
④Click on 'LCD Project', click on 'Import' in the upper right corner, and then select the aida_remote_1.85/rsLCD file provided by our file.
⑤After importing, some settings need to be made because everyone's CPU, GPU, motherboard, hard disk, network card, etc. are different. Please set them one by one, with 8 parameters: CPU usage \ CPU freq \ CPU temp \ CPU fan \ GPU usage \ GPU freq \ GPU temp \ GPU fan.
⑥Please note that do not modify the text inside the "Show Label". "Show unit" must be filled in with "^" (without quotation marks), otherwise the device will not detect it.
⑦ After all modifications are completed, click OK and then minimize AIDA64. You can make it start automatically when turned on in the settings. (Settings, General, Running AIDA64 at Windows Startup).
⑧ Access the IP address of the screen through the webpage, set the IP address of your computer (i.e. the IP address of the computer running AIDA64) in the "Secondary Screen Host Address" at the bottom, and then save it.
If the local port 80 is occupied, a colon and a custom port need to be added after it.
for example
192.168.0.100 uses the host address 192.168.0.100 and defaults to port 80
192.168.0.100:9223 uses the host address 192.168.0.100 and port 9223
Note that the colon is an English colon ":".
⑨Firewall allows AIDA64 to access the network, or manually open TCP80 port (or your custom port), important! https://jingyan.baidu.com/article/af9f5a2d2ea83543140a4584.html
After setting up, switch the screen to the AIDA64 function window to display computer status information.

2、Spectrum pickup function

Gain correction can be performed within the web page, with a total of 4 levels. Adjust to the appropriate level to ensure that the spectrum is almost invisible when quiet.

3、 MP3 music playback function

Put MP3 files below 320kbps and with a sampling rate of 48000 and below into the music directory of the TF card (each time the card is unplugged and copied, the device needs to be restarted, the same applies below).

4、 Electronic photo frame function

Put a 360 × 360 JPEG file into the pic directory of the TF card.

5、 MJPEG playback function

Convert the video to be played into a 360 * 360 MJPEG file with an FPS of 25 and a video quality of 7 using the mjpeg conversion tool, and copy the file to the mjpeg directory on the TF card.

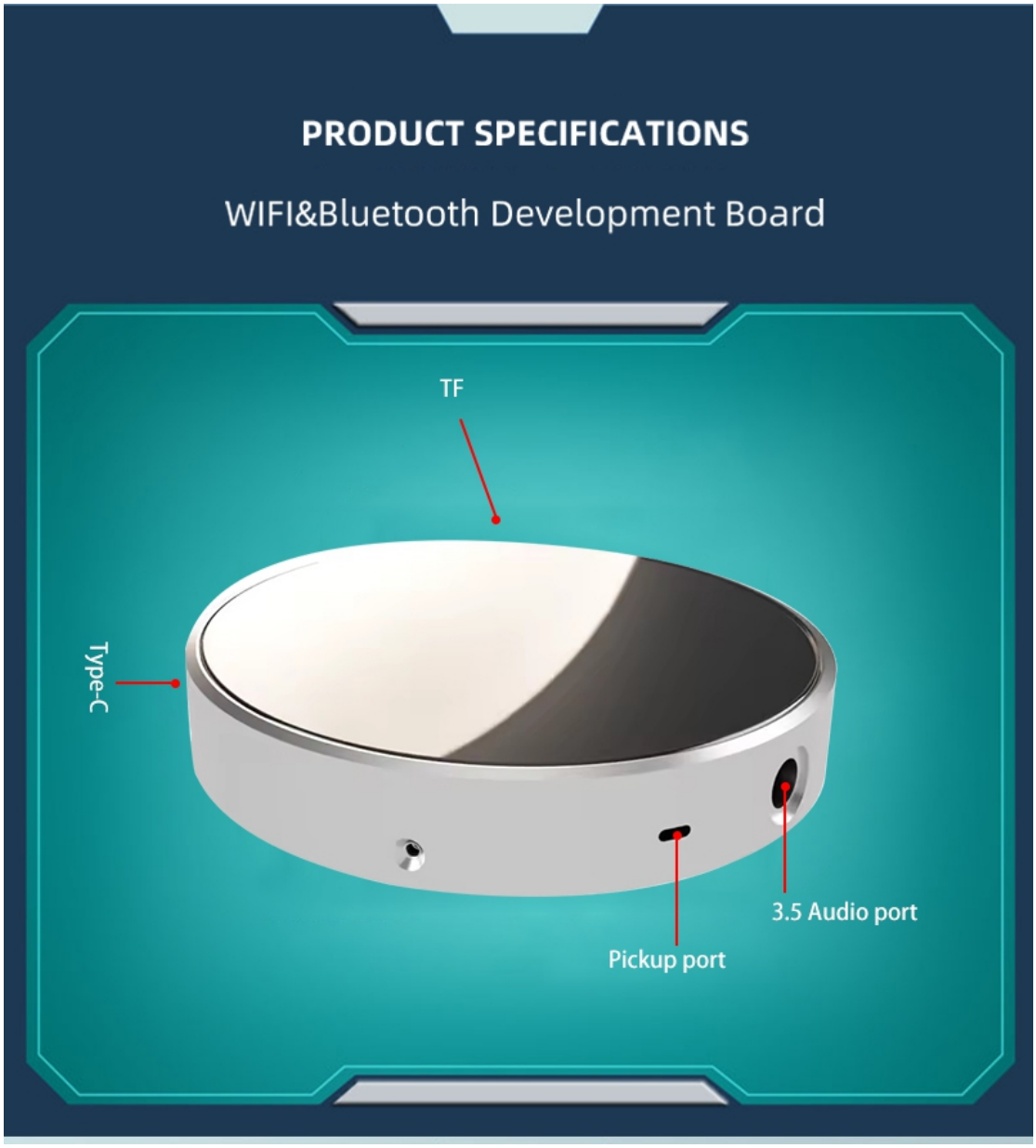
6、 Real time weather display function

You can use it by configuring the city code on the web page. Entering the city name on the web page and clicking save will automatically generate the city code, but refreshing will take time. After exiting the weather interface on the screen and entering the weather interface again, the network will refresh successfully and the corresponding city weather will be obtained.

7、 Clock display function

Enter the clock screen, swipe left to right, and select the corresponding dial screen.

Interface Description



Product Size