# Arduino平台下esp32环境配置

### 二,下载esp32的库

这Arduino下载一个库可真是恶心死人啊,按官方文件走网不好一点的,动辄蹲电脑旁一下午走不开身子,因为它老是断,需要手动点重新连接,再者这下载速度实在是慢到不可理喻,中国都5G了,这还跟以前的车马很慢,一生只够爱一个人一样,这也是作者写这篇文章的主要原因,愿后来者不用蹚浑水。

百度网盘奉上, 如果有人觉得网盘慢, 那请留言告诉作者, 哪个快, 作者就换哪个

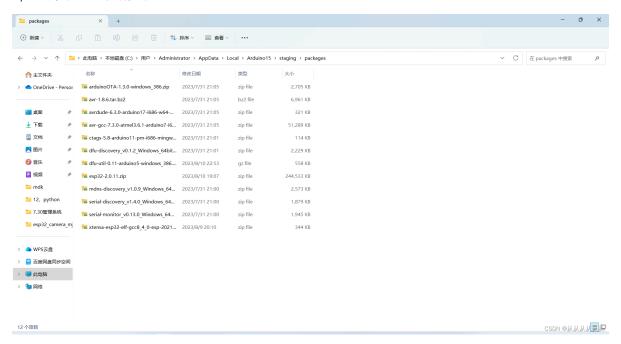
链接: https://pan.baidu.com/s/1K3IPVyKu9-W7kL67N62l3w

提取码: cccc

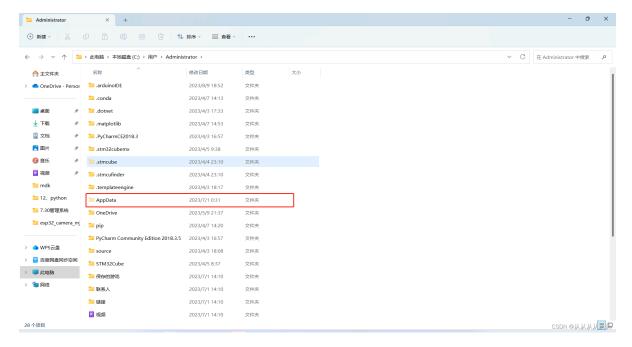
我相信,肯定有不信邪的,要自己试一试,githud的链接奉上

GitHub - espressif/arduino-esp32: Arduino core for the ESP32

- 1.安装好Arduino软件后,百度网盘中的库下载完成后就可以进行下一步了。
- 1.1 打开这个路径C:\Users\Administrator\AppData\Local\Arduino15\staging\packages,如下图,将eps32库放入这个路径下。

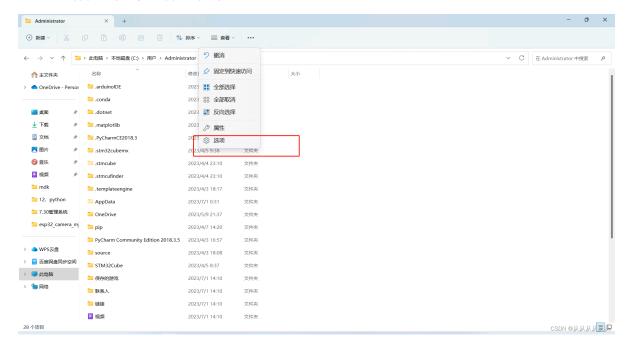


1.2 关于这个路径还要再说一下,学计算机的朋友都知道是有一些不同的,主要是在用户这块,这取决于当前登录的是哪个账户,一般私人电脑都是这个。然后C:\Users\Administrator\下的AppData 是一个隐藏目录。

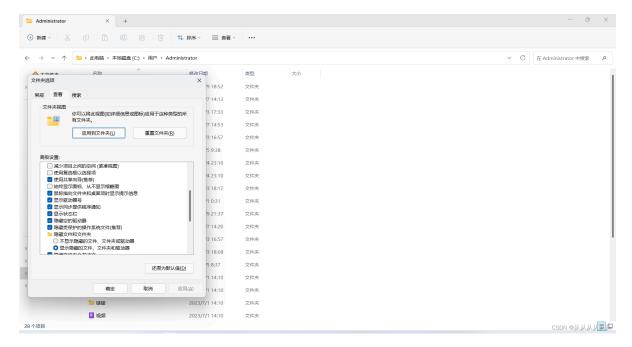


#### 1.3 显示隐藏路径

#### 1.3.1 点击右边3个点, 然后点击选项

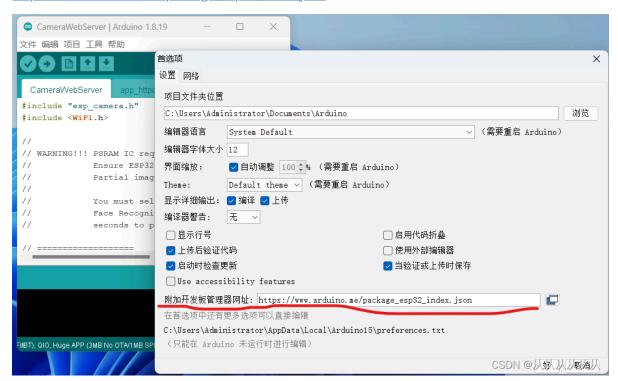


1.3.2 进去后点击查看,往下滑,如下图勾选,然后就有了。



2.打开Arduino软件,在文件中打开首选项,如图所示,在附加开发板管理器网址处加入如下地址

https://www.arduino.me/package\_esp32\_index.json



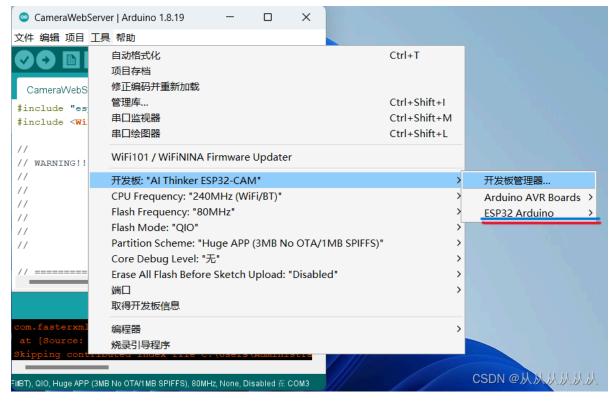
3.打开arduino后,照下图操作



4.进去后,如下图,搜索esp32,点击第二个安装,等待片刻就好了



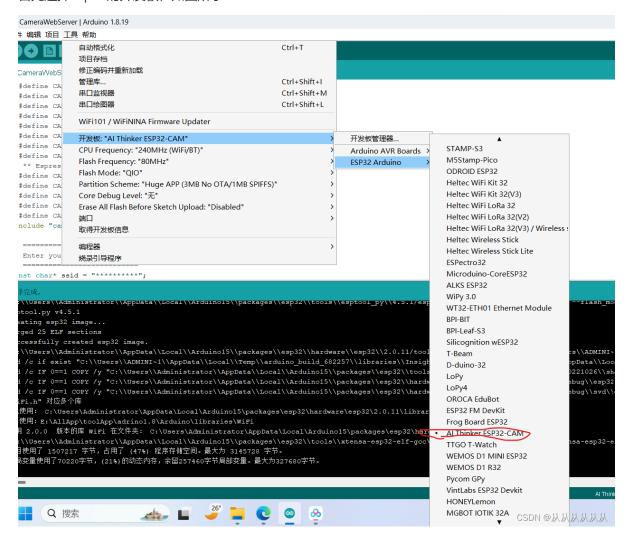
好了的标志是在开发板这块有无esp32 Arduino,,如下图所示



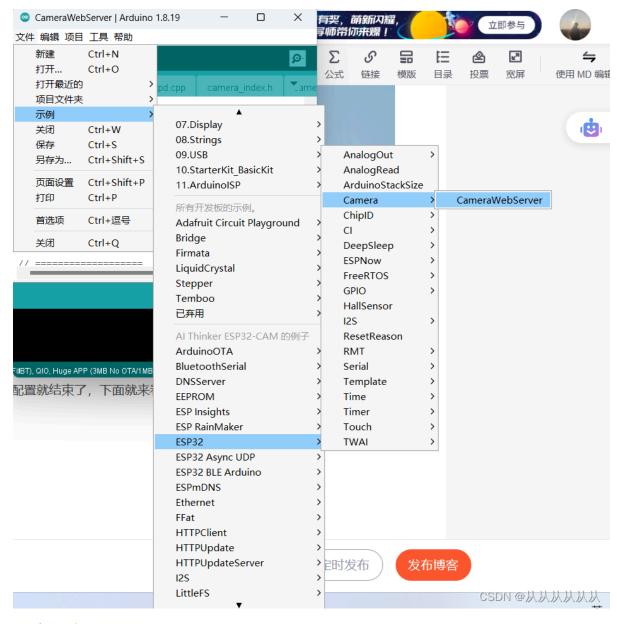
5.截至到此处,esp32的环境配置就结束了,下面就来看esp32-cam的配置

## esp32-cam的配置

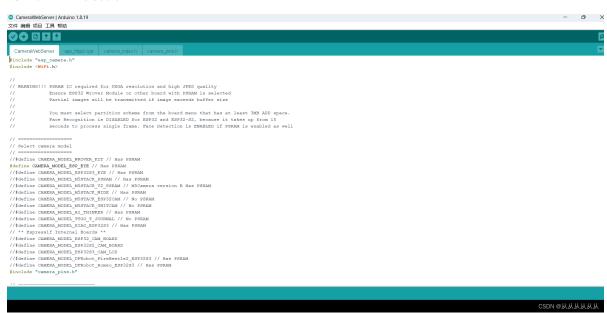
首先选择esp32的开发板,如图所示



#### 1.有如下界面说明esp32安装成功,如图所示点击



#### 2, 会出现如下界面



3.只需要修改一个头文件,和账户名,密码就可以

要包含这个头文件

```
CameraWebServer §
// Select camera model
// =========
//#define CAMERA_MODEL_WROVER_KIT // Has PSRAM
//#define CAMERA_MODEL_ESP_EYE // Has PSRAM
//#define CAMERA_MODEL_ESP32S3_EYE // Has PSRAM
//#define CAMERA MODEL M5STACK PSRAM // Has PSRAM
//#define CAMERA_MODEL_M5STACK_V2_PSRAM // M5Camera version B Has PSRAM
//#define CAMERA_MODEL_M5STACK_WIDE // Has PSRAM
//#define CAMERA_MODEL_M5STACK_ESP32CAM // No PSRAM
 //#define CAMERA MODEL M5STACK UNITCAM // No PSRAM
#define CAMERA_MODEL_AI_THINKER // Has PSRAM
//#define CAMERA_MODEL_TTGO_T_JOURNAL // No PSRAM
//#define CAMERA MODEL_XIAO_ESP32S3 // Has PSRAM
// ** Espressif Internal Boards **
//#define CAMERA_MODEL_ESP32_CAM_BOARD
//#define CAMERA_MODEL_ESP32S2_CAM_BOARD
//#define CAMERA_MODEL_ESP32S3_CAM_LCD
//#define CAMERA MODEL DFRobot FireBeetle2 ESP32S3 // Has PSRAM
//#define CAMERA MODEL_DFRobot_Romeo_ESP32S3 // Has PSRAM
#include "camera_pins.h"
// =========
// Enter your WiFi credentials
const char* ssid = "TP-LINK_3B5370";
const char* password = "htp147258369htp";
void startCameraServer();
void setupLedFlash(int pin);
```

#### 上传成功。

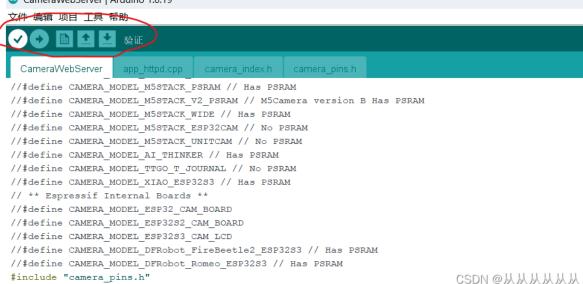
CSDN @从从从从从

#### 用户名和密码

```
CameraWebServer app_httpd.cpp camera_index.h
//#define CAMERA_MODEL_M5STACK_PSRAM // Has PSRAM
//#define CAMERA MODEL M5STACK V2 PSRAM // M5Camera version B Has PSRAM
//#define CAMERA_MODEL_M5STACK_WIDE // Has PSRAM
//#define CAMERA_MODEL_M5STACK_ESP32CAM // No PSRAM
//#define CAMERA_MODEL_M5STACK_UNITCAM // No PSRAM
//#define CAMERA MODEL AI THINKER // Has PSRAM
//#define CAMERA_MODEL_TTGO_T_JOURNAL // No PSRAM
//#define CAMERA_MODEL_XIAO_ESP32S3 // Has PSRAM
// ** Espressif Internal Boards **
//#define CAMERA MODEL ESP32 CAM BOARD
//#define CAMERA_MODEL_ESP32S2_CAM_BOARD
//#define CAMERA MODEL ESP32S3 CAM LCD
//#define CAMERA MODEL DFRobot FireBeetle2 ESP32S3 // Has PSRAM
//#define CAMERA_MODEL_DFRobot_Romeo_ESP32S3 // Has PSRAM
#include "camera_pins.h"
// Enter your WiFi credentials
const char* ssid = "*******;
const char* password = "********;
void startCameraServer();
void setupLedFlash(int pin);
void setup() {
  Serial.begin(115200);
  Serial.setDebugOutput(true);
  Serial.println();
                                                               CSDN @从从从从从从
```

### 4, 修改完成后, 先 "v" 后 "--》"

CameraWebServer | Arduino 1.8.19



#### 5.这是" v"编译完成的

```
编译完成。
C:\\Users\\Administrator\\AppData\\Local\\Arduinol5\\packages\\esp32\\tools\\esp
esptool.py v4.5.1
Creating esp32 image...
Merged 25 ELF sections
Successfully created esp32 image.
"C:\\Users\\Administrator\\AppData\\Local\\Arduino15\\packages\\esp32\\hardware\\
cmd /c if exist "C:\\Users\\ADMINI~1\\AppData\\Local\\Temp\\arduino_build_682257
cmd /c IF 0==1 COPY /y "C:\\Users\\Administrator\\AppData\\Local\\Arduino15\\pac}
cmd /c IF 0==1 COPY /y "C:\\Users\\Administrator\\AppData\\Local\\Arduino15\\pack
cmd /c IF 0==1 COPY /y "C:\\Users\\Administrator\\AppData\\Local\\Arduino15\\pack
"WiFi.h" 对应多个库
 已使用: C:\Users\Administrator\AppData\Local\Arduino15\packages\esp32\hardware\e
未使用: E:\AllApp\toolApp\adrino1.8\Arduino\libraries\WiFi
使用 2.0.0 版本的库 WiFi 在文件夹: C:\Users\Administrator\AppData\Local\Arduino15\
"C:\\Users\\Administrator\\AppData\\Local\\Arduino15\\packages\\esp32\\tools\\xte
项目使用了 1507217 字节,占用了 (47%) 程序存储空间。最大为 3145728 字节。
全局变量使用了70220字节,(21%)的动态内存,余留257460字节局部变量。
```

### 这是"-》"完成后的效果

```
LEGURD.

Writing at 0x0013024...(81 *)

Writing at 0x00138257...(83 *)

Writing at 0x0014792f...(85 *)

Writing at 0x0014792f...(86 *)

Writing at 0x0015840...(88 *)

Writing at 0x0015840...(91 *)

Writing at 0x0016640...(91 *)

Writing at 0x0016640...(91 *)

Writing at 0x0016655...(93 *)

Writing at 0x0016655...(95 *)

Writing at 0x0016555...(98 *)

Writing at 0x0017898...(98 *)

Writing at 0x0017898...(98 *)

Writing at 0x0017898...(98 *)

Writing at 0x0017898...(98 *)

Writing at 0x0017898...(100 *)
```