instructions:

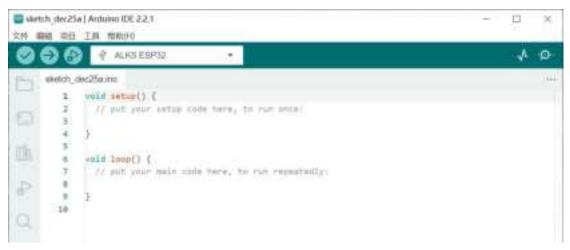
1. Download software and development board

We use modules in Arduino IDE (which can be downloaded from the official website) https://www.arduino.cc/en/Main/Software)Using the development environment as an example to illustrate the usage of modules.

Open the Arduino IDE software



, The following interface appears.



2. Add ESP32 development environment

ESP32 development environment add path

In Arduino IDE, open File -> Preferences (shortcut key 'Ctrl+,').

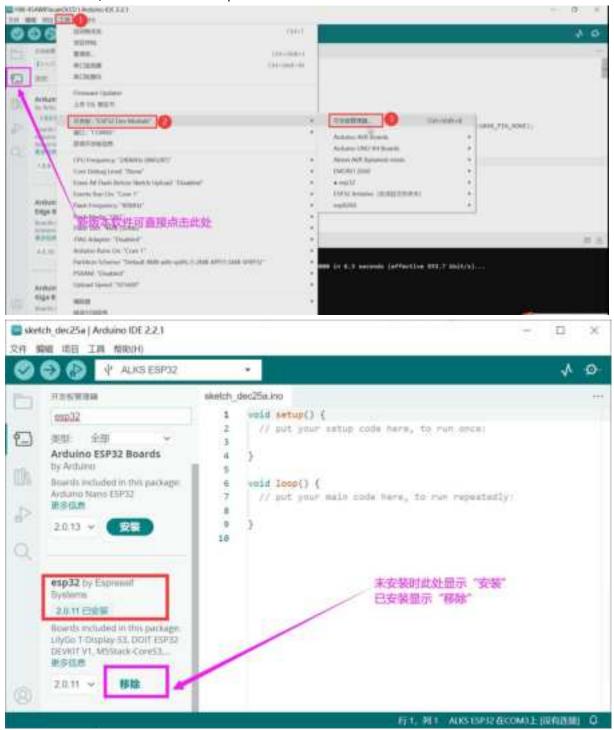
support https://dl.espressif.com/dl/package_esp32_index.json Put the JSON address of this development board into the attachment

In the website of the development board manager. Click 'OK' (the new version is' OK'). Click 'OK' again (the new version is' OK') to return to the Arduino IDE homepage.





Click on the Development Board Manager, the Development Board Manager window appears, search for ESP32, and install the development environment

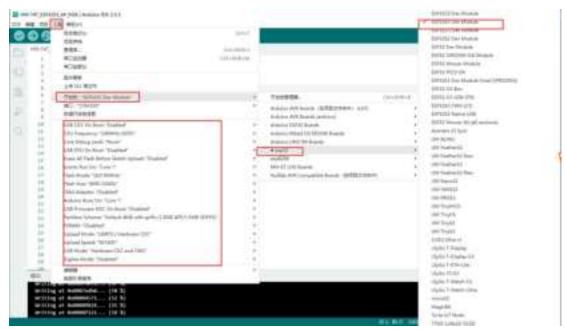


Installed ones can be used directly. After the uninstalled installation, it can be seen in the development board that a lot of support for ESP32 modules has been added.



Select the corresponding port and development board model

Manually enter download mode: Method 1: Press and hold BOOT to power on. Method 2: Hold down the BOOT button on ESP32C3, then press the RESET button, release the RESET button, and then release the BOOT button. At this point, ESP32C3 will enter download mode.



Click upload and wait for the download to complete. The RGB lights on the module will flash normally and a WiFi connection will be established.

```
■ 100 TH SEPOSE AP SUB LABOR HE SEE
TO ME OF IN NOH
 O O O O ESPECIA Dev Montule
                                                                                                                                           10
       169-747_ESP3253_AP_HGB los
               Winclow (MINA. No.
                Windland Officials
               644 346 - 6 J
               count then "sold + "EMPERSONAMENDEL";
                curst that "password - "";
               metal (equi) (
                 SEFE ASTESP(SALE, DESIGNATE):
                 Serial printings;
                  bertal printf Patersas Th
                  Sarial printingstil setsprintly
         1X
43
                 plotode(led,OUDWY);
                rest lamp() (
                      log if both series;
         10
20
          ET.
                    sempledictiv(see_autivo), see, 4, 4); //deficient/chi
         18
18
                    #ALE(2500);
                    complementations success, 200, 200, 200, 400
          311
                    Halas (3308) |
          #
                    nesticalistic(No. Noticini, 201, 0, 201);
          ##
                    String [3200];
        Writing at 0x00079cHz...(47 %)
Writing at 0x00079cHz...(52 %)
Writing at 0x00000371...(52 %)
Writing at 0x00000324...(55 %)
Writing at 0x00007125...(56 %)
```

```
IN THE EMPTY OF THE LEE
THE RE DE MIN RT
 O O O O SEPEZES Dev Montule
       169-747_ESP3253_AP_HGB.bu
               Winclook (MINA.NA
                 Windland Officer
                 844,346 - 6.1
                court than "told + "ESPERSISHAMMENT";
code; than "personnd = "";
                 ment setup() (
                  Serial begin(IINIME);
SEFE nation(said, personnel);
                  herial printf [Paddress: "Li
herial printin(kiti assaurpr[]);
          11
          75
                  plorade(led,OUTMAT);
          4.5
                 noted Inspired
          10
                     leg_i(Twile well(1))
          İπ
          20
                     neuprincle-thepsus_surrant, sur, 4, 40; //GHTMG-distriction
          O
          38
                     #ALay(3500);
          111
                      complexity (with guild for, 201, 201, 4)).
          310
                     HA [41 (3308) ).
                      respinsibility (NOR SATISTIC, 200, 0, 200);
          #
                     Sticy [3500];
                                            SEC. 18. 18. 18. 18.
                                                                                                                                                         W ô
       WILL.
        Writing at 0x00075eth...(47 %)
Writing at 0x0007xdb8...(58 %)
Writing at 0x00008371...(52 %)
Writing at 0x0000834...(16 %)
Writing at 0x0000834...(56 %)
                                                                                                            61. 81 mento-mangeanna Dr. C.
```