

wasdom ESP32 operation algorithm

1-The first thing is to install the latest version of Arduino IDE (Arduino 1.8.5 or above) on your computer

2-Download the contents of the espit-arduino GitHub repository

3-Now go to Sketchbook in the Arduino environment by opening the Arduino IDE > File > Preferences > Sketchbook Location.

4-Looking at the sketchbook located in My Documents > Arduino, open the guide You should see the directory of libraries inside

5-Create a new directory called hardware . Inside it create another directory called espressif . Inside it create another directory called esp32 .

The directory structure should look like My Documents > Arduino > hardware > espressif > esp32

6- Once done, check for boards.txt, platform.txt, folders, documents, tools, etc. Inside the esp32 folder.

In order to compile ESP32 code, you need the Xtensa GNU compiler (GCC) suite installed on your machine. Go to esp32 > tools folder and execute get.exe

7-This executable will download the Xtensa GNU Tools and ESP32 SDK, and then unzip it to the appropriate location.

8- To make sure that the ESP32 Arduino and ESP32 development board are set up correctly, we are going to upload the simplest code – The Blink