

There's an add-on for the Arduino IDE that allows you to program the ESP32 using the Arduino IDE and its programming language. In this tutorial we'll show you how to install the ESP32 board in Arduino IDE whether you're using Windows, Mac OS X or Linux.

# Installing ESP32 Add-on in Arduino IDE

To install the ESP32 board in your Arduino IDE, follow these next instructions:

- 1 In your Arduino IDE, go to **File > Preferences**
- 2 Enter the following into the "Additional Board Manager URLs" field:  
`https://raw.githubusercontent.com/espressif/arduino-esp32/gh-pages/package_esp32_index.json`
- 3 Then, click the "OK" button.
- 4 Open the Boards Manager. Go to **Tools > Board > Boards Manager...**
- 5 Search for **ESP32** and press install button for

the “**ESP32 by Espressif Systems**”

**6** That’s it. It should be installed after a few seconds.

## Testing the Installation:

Plug the ESP32 board to your computer. With your Arduino IDE open, follow these steps:

1. Select your Board in **Tools > Board** menu (in my case it’s the **DOIT ESP32 DEVKIT V1**)
2. Select the Port (if you don’t see the COM Port in your Arduino IDE, you need to install the [CP210x USB to UART Bridge VCP Drivers](#)).
3. Open the following example under **File > Examples > WiFi (ESP32) > WiFiScan**
4. A new sketch opens in your Arduino IDE:
5. Press the **Upload** button in the Arduino IDE. Wait a few seconds while the code compiles and uploads to your board.
6. If everything went as expected, you should see a “**Done uploading.**” message.
7. Open the Arduino IDE Serial Monitor at a baud rate of

115200.

8. Press the ESP32 on-board **Enable** button and you should see the networks available near your ESP32