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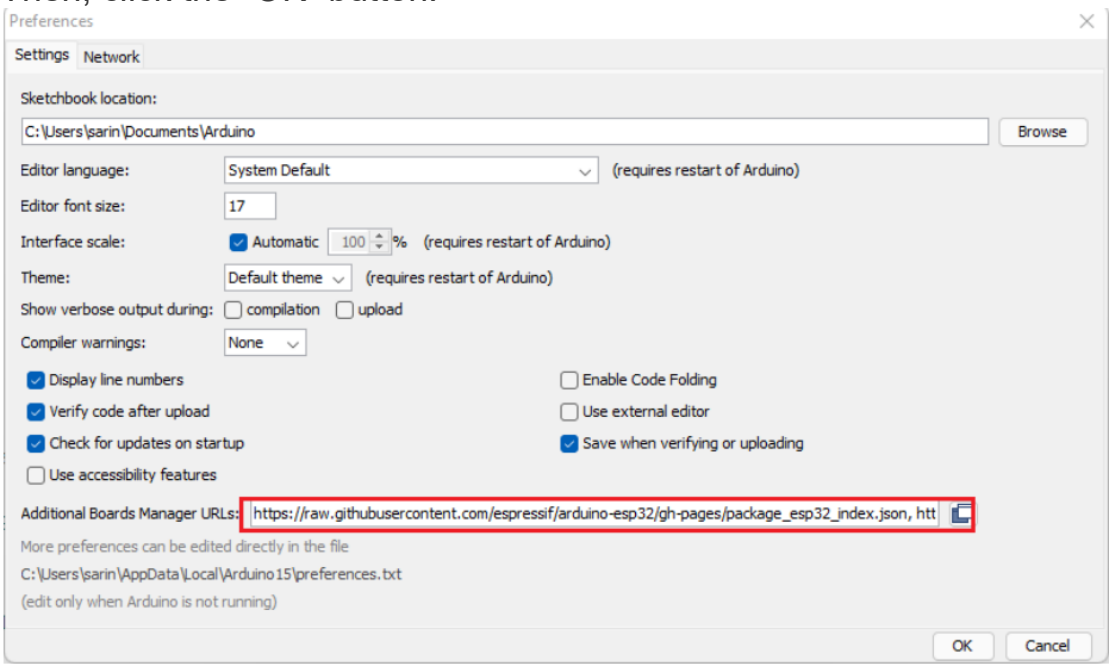
To install the ESP32 board in your Arduino IDE, follow these next instructions:

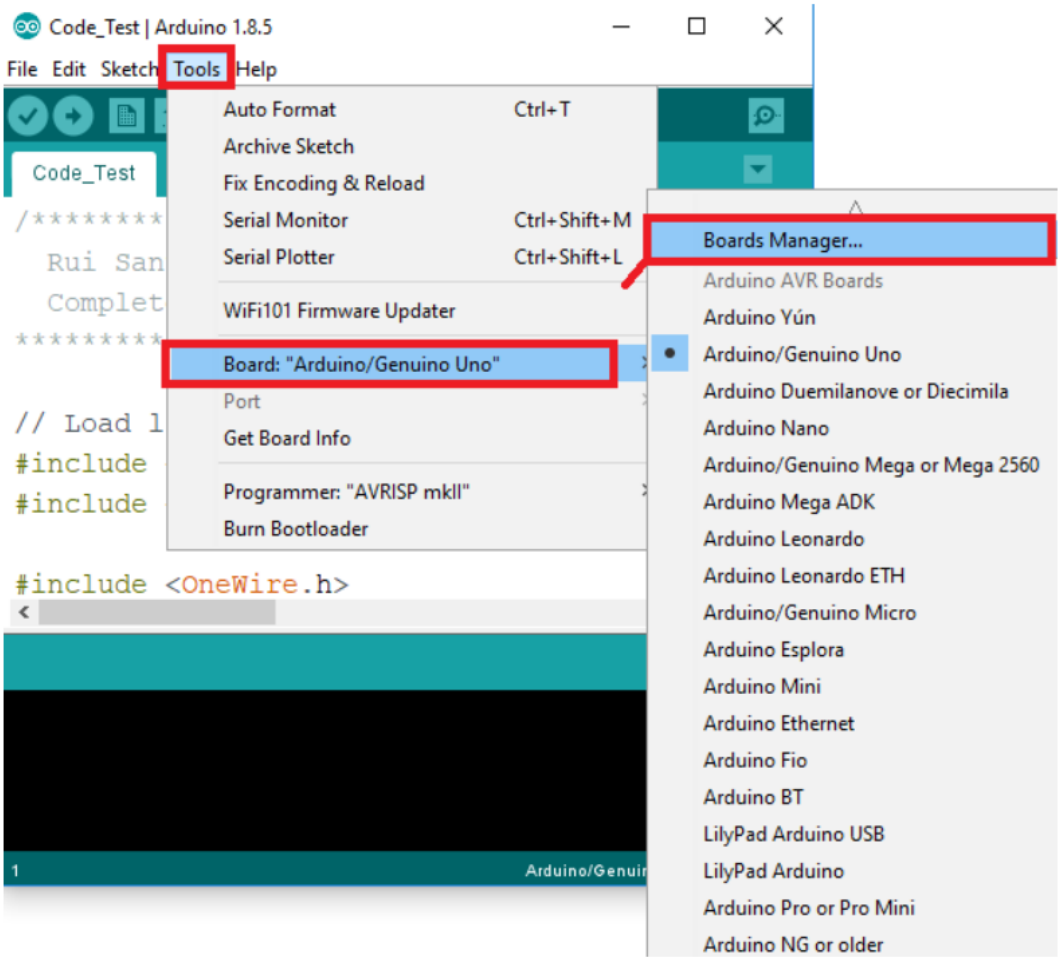
1- In your Arduino IDE, go to **File**> **Preferences**
2- Enter the following into the “Additional Board Manager URLs” field:
https://raw.githubusercontent.com/espressif/arduino-esp32/gh-pages/package_esp32_index.json
Then, click the “OK” button:



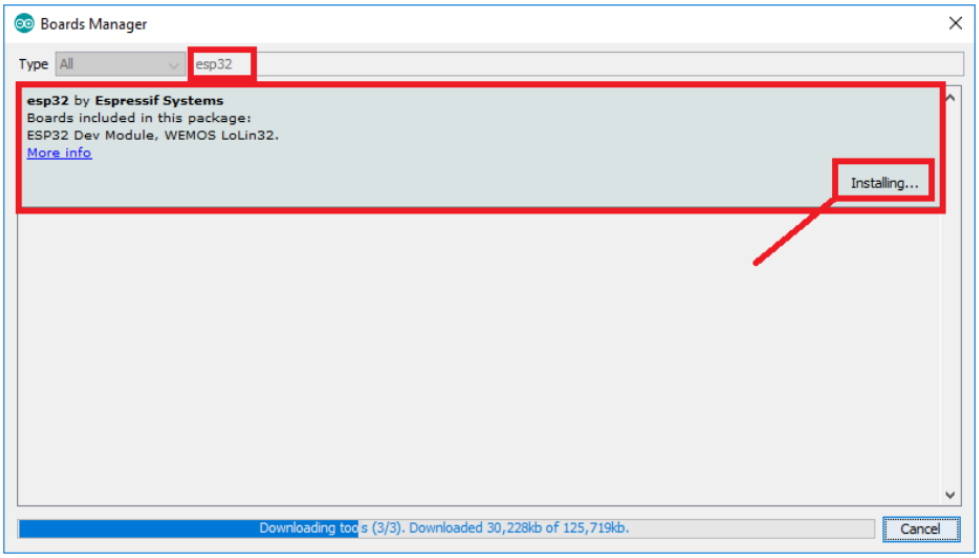
Note: if you already have the ESP8266 boards URL, you can separate the URLs with a comma as follows:

`https://raw.githubusercontent.com/espressif/arduino-esp32/gh-pages/package_esp32_index.json,`
`http://arduino.esp8266.com/stable/package_esp8266com_index.json`

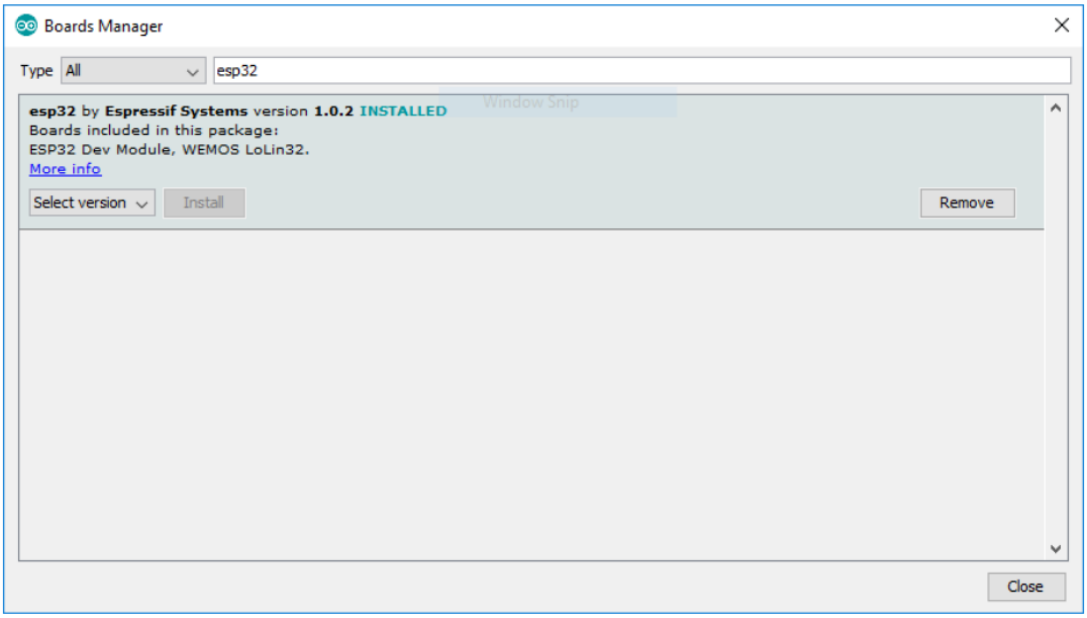
3- Open the Boards Manager. Go to **Tools** > **Board** > **Boards Manager…**



4- Search for **ESP32** and press install button for the “**ESP32 by Espressif Systems**

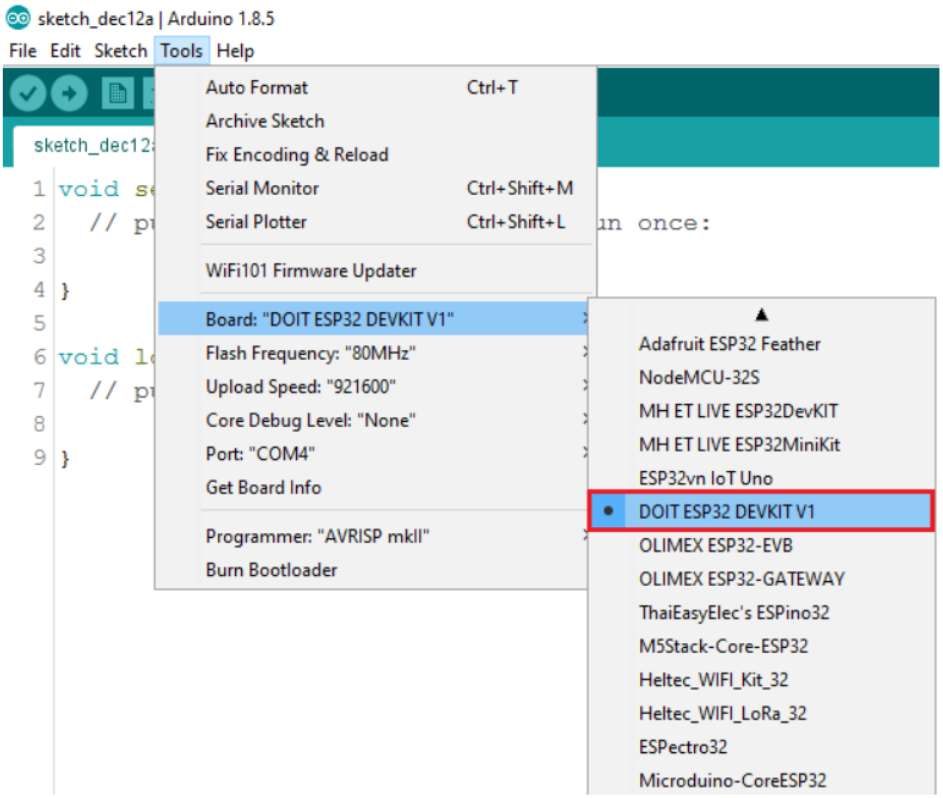


5- That’s it. It should be installed after a few seconds.

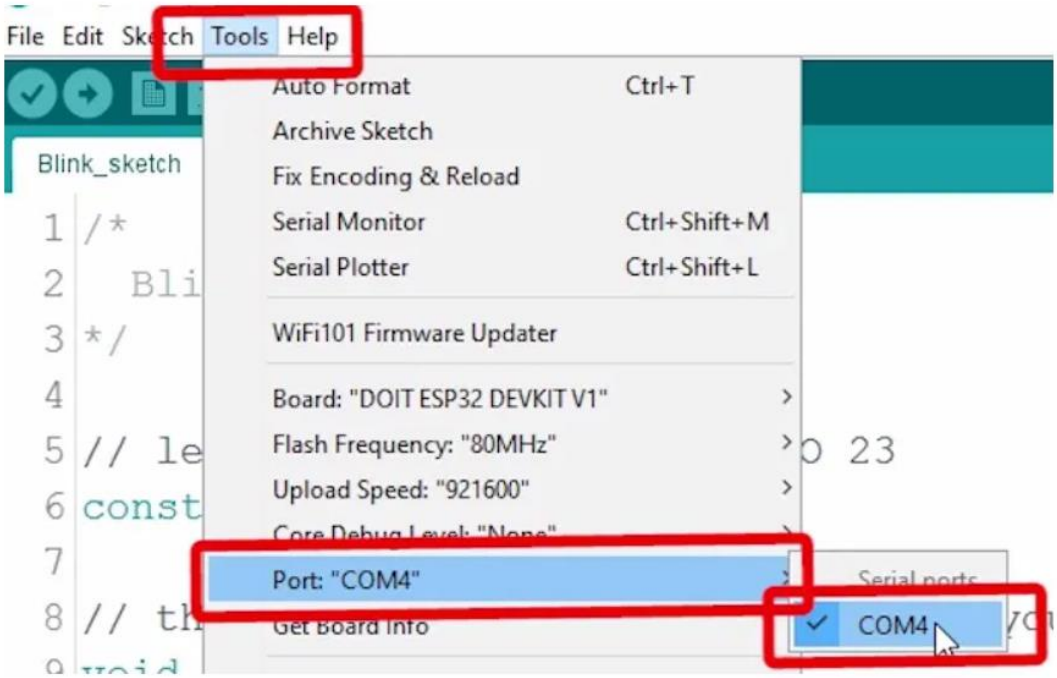


Plug the ESP32 board to your computer. With your Arduino IDE open, follow these steps:

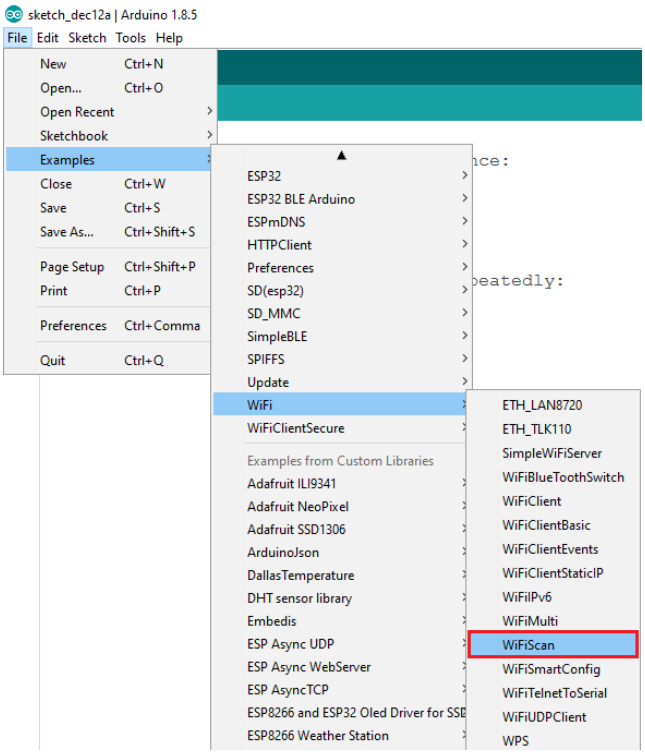
1- Select your Board in **Tools** > **Board** menu (in my case it’s the **DOIT ESP32 DEVKIT V1**)



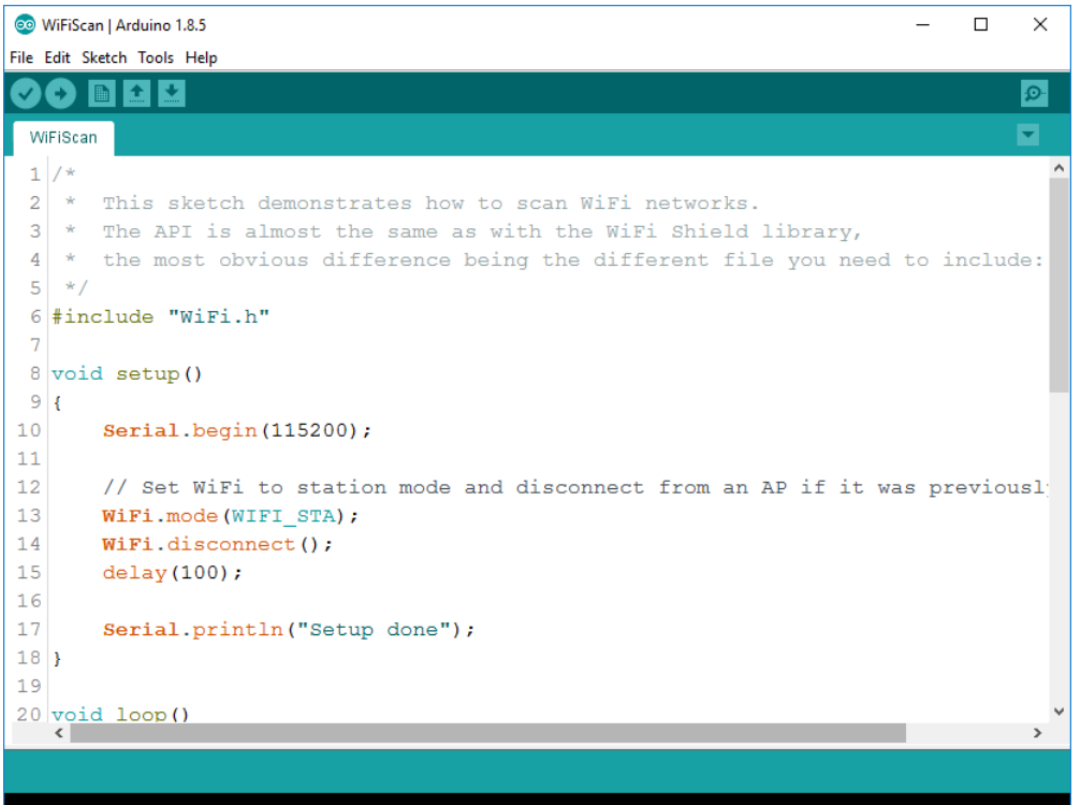
2- Select the Port (if you don't see the COM Port in your Arduino IDE, you need to install the [CP210x USB to UART Bridge VCP Drivers]):



3- Open the following example under **File** > **Examples** > **WiFi (ESP32)** > **WiFiScan**

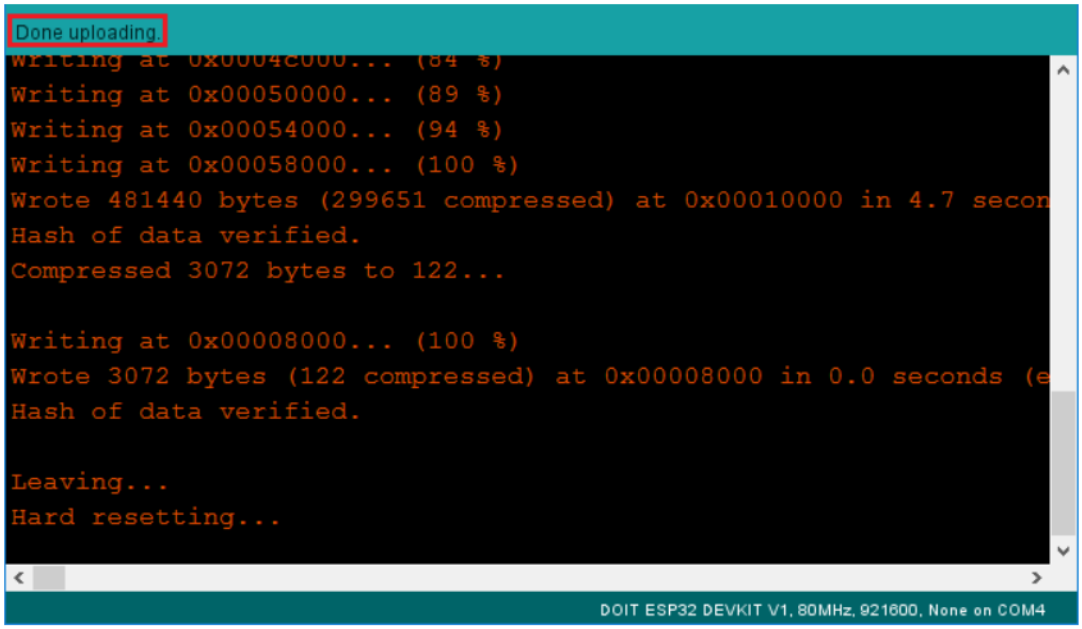


4- A new sketch opens in your Arduino IDE:



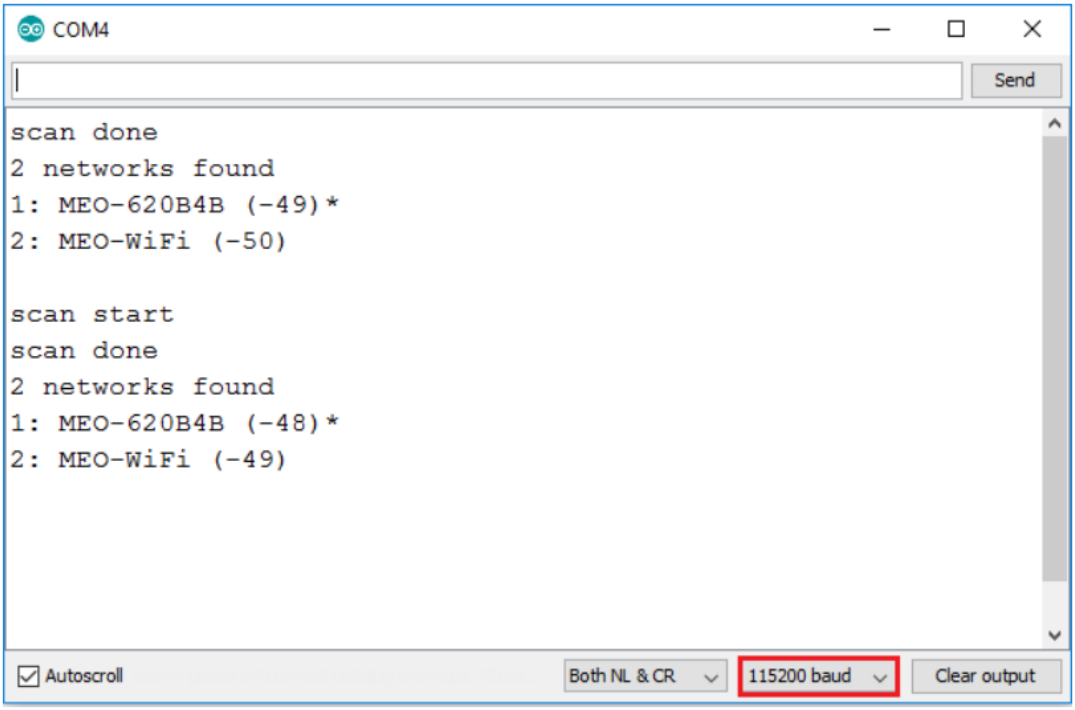
5- Press the **Upload** button in the Arduino IDE. Wait a few seconds while the code compiles and uploads to your board

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:


COM4
Send
scan done
2 networks found
1: MEO-620B4B (-49)*
2: MEO-WiFi (-50)
scan start
scan done
2 networks found
1: MEO-620B4B (-48)*
2: MEO-WiFi (-49)
Autoscroll
Both NL & CR
115200 baud
Clear output