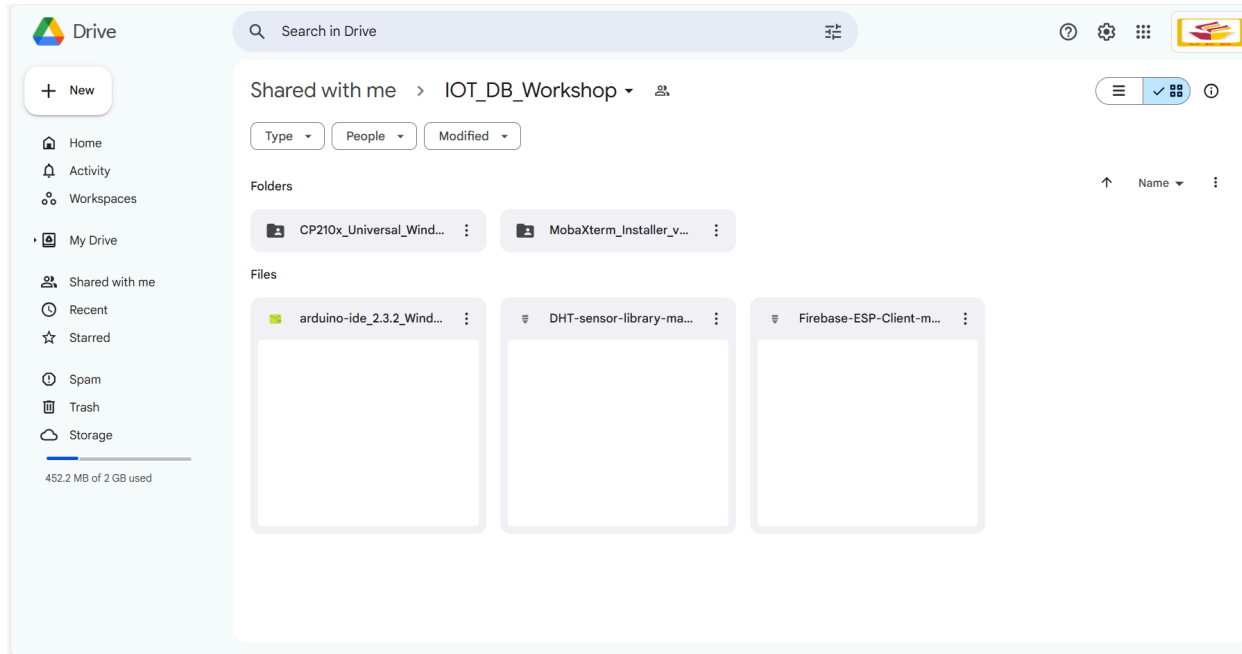


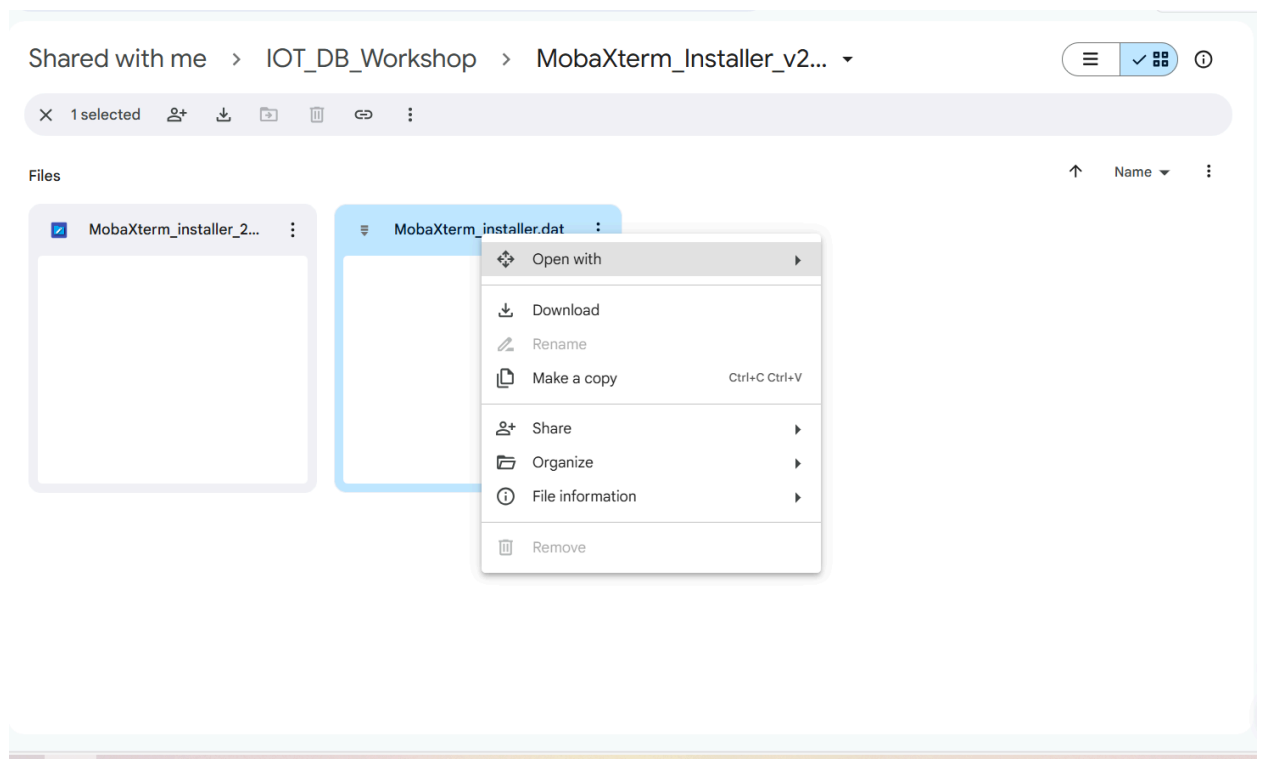
Prerequisites and Installation Guide

- Downloading MobaxTerm:

- select the given Drive link:(Through your VES ID)
[IOT_DB_Workshop - Google Drive](#)
- Select MobaXterm Folder.

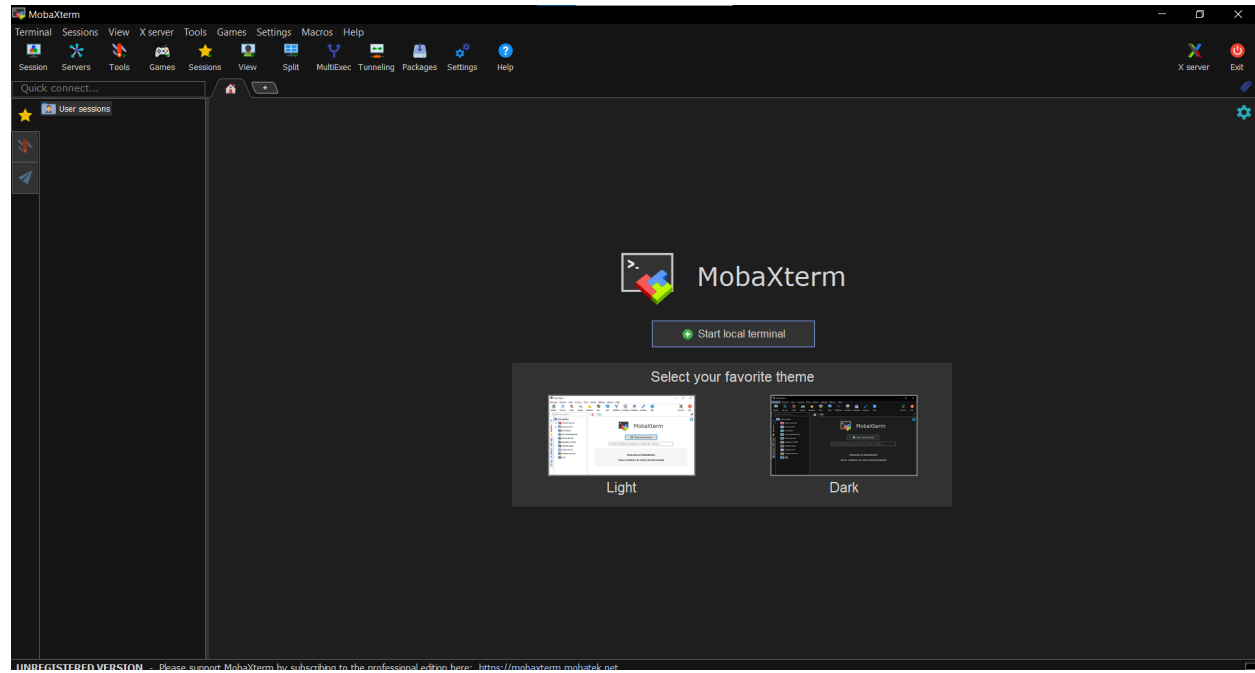


- First install MobaXterm_installer.dat(Second File) and then install MobaXterm_installer_24.2.Msi (First file)



Prerequisites and Installation Guide

- Open the installer and You will see the homepage:



Prerequisites and Installation Guide

- Downloading link for Arduino IDE:

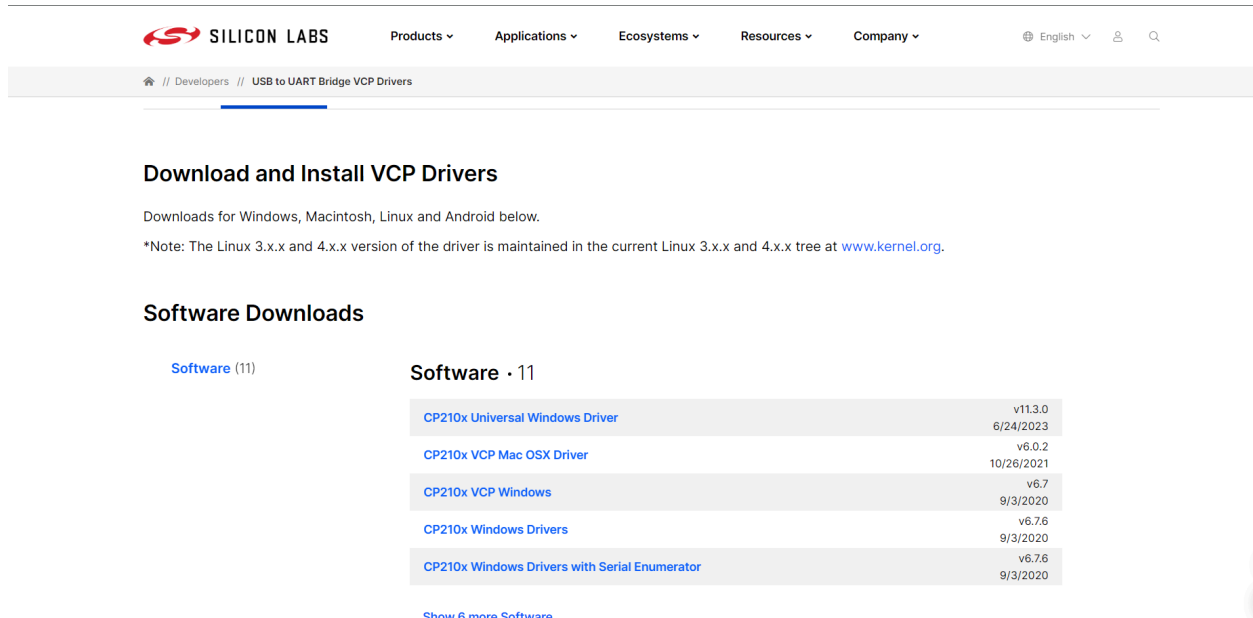
- <https://www.arduino.cc/en/software> > select the download option corresponding to your operating software

- For port Visibility

1. Download CP210x USB to UART Bridge

- <https://www.silabs.com/developers/usb-to-uart-bridge-vcp-drivers?tab=downloads>

2. Select CP210x Universal Windows Driver

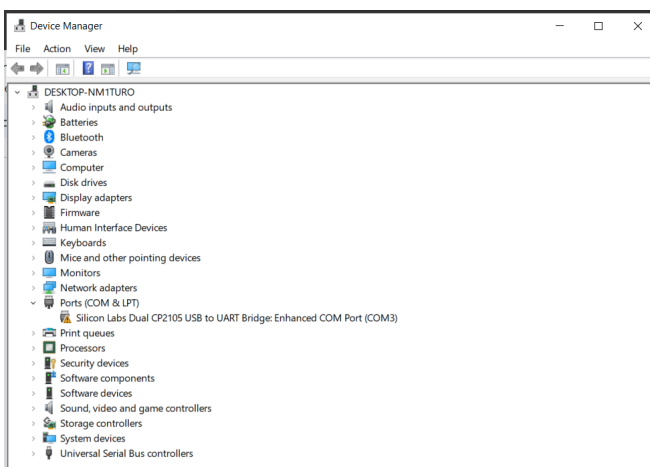


The screenshot shows the Silicon Labs website with the navigation bar and the 'USB to UART Bridge VCP Drivers' page. The page title is 'Download and Install VCP Drivers'. Below the title, it says 'Downloads for Windows, Macintosh, Linux and Android below.' and a note: '*Note: The Linux 3.x.x and 4.x.x version of the driver is maintained in the current Linux 3.x.x and 4.x.x tree at www.kernel.org.' The 'Software Downloads' section shows a list of software downloads with 11 items. The list includes:

Software	Version	Date
CP210x Universal Windows Driver	v11.3.0	6/24/2023
CP210x VCP Mac OSX Driver	v6.0.2	10/26/2021
CP210x VCP Windows	v6.7	9/3/2020
CP210x Windows Drivers	v6.7.6	9/3/2020
CP210x Windows Drivers with Serial Enumerator	v6.7.6	9/3/2020

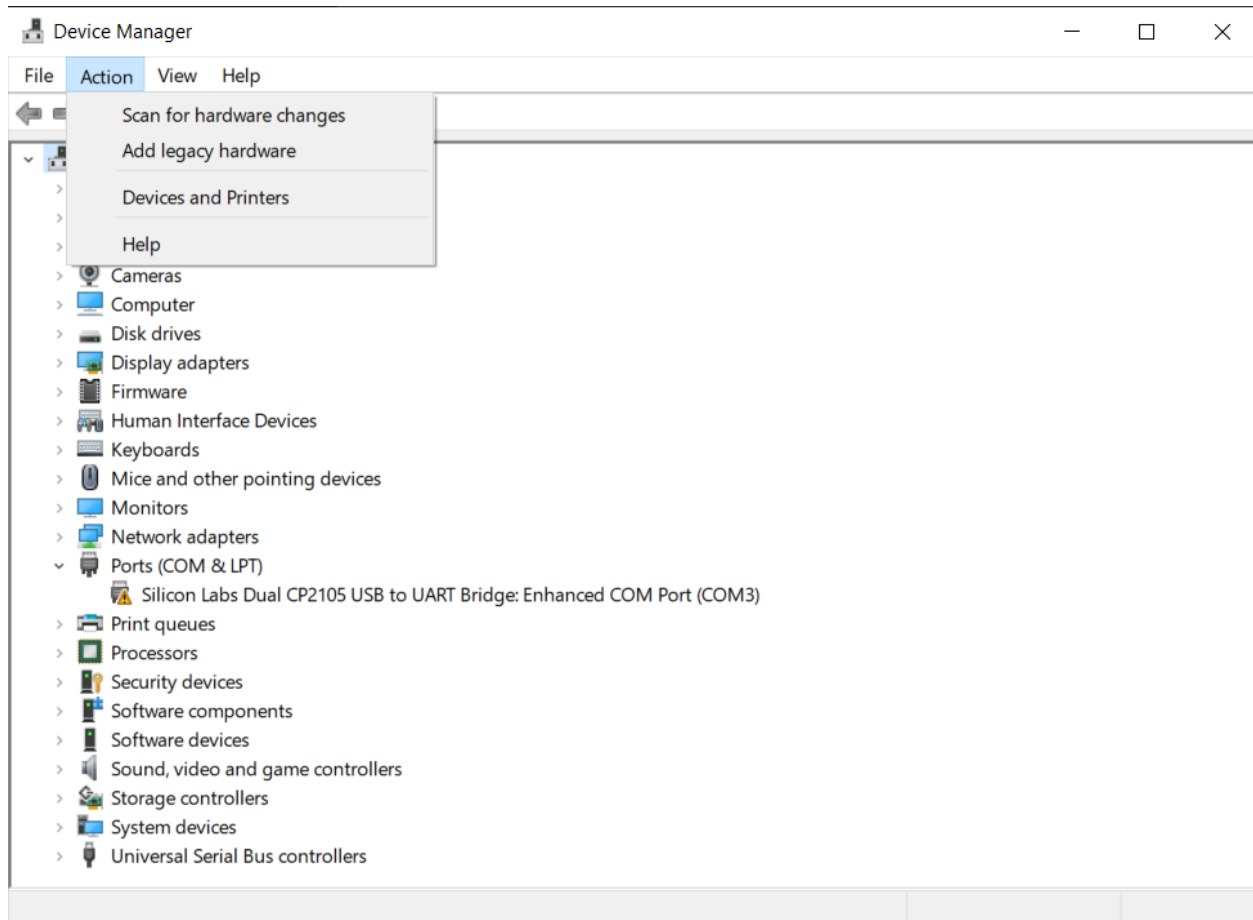
Below the list, there is a link 'Show 6 more Software'.

3. Go To device Manager > select Action in the menu bar

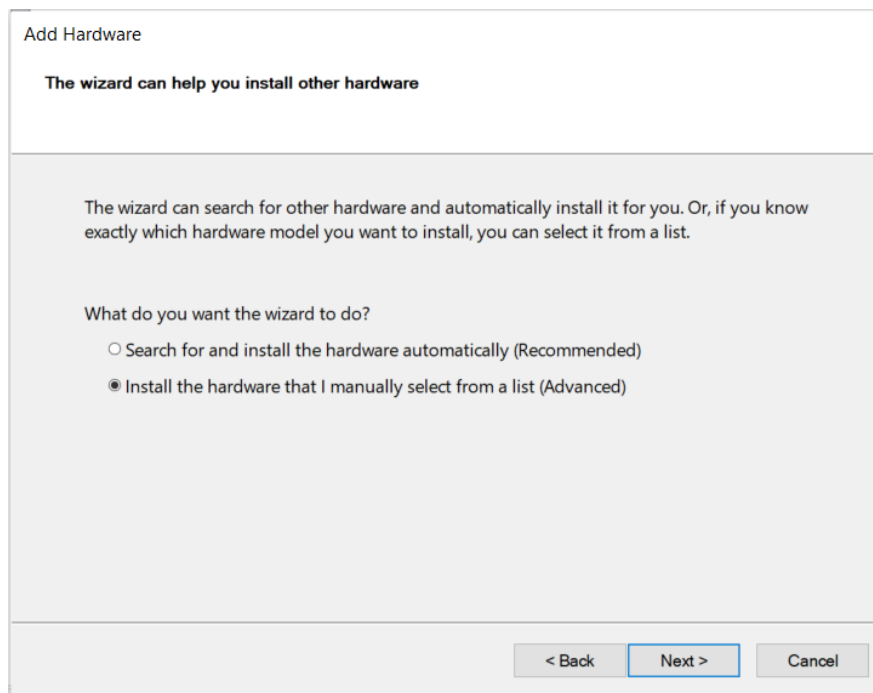


Prerequisites and Installation Guide

4. Add legacy hardware



5. select Install the hardware manually and click next




Prerequisites and Installation Guide

6. Select PORTS(COM & LPT)> silicons labs> silicon labs CP210x USB to UART Bridge > click next > finish

Add Hardware

Select the device driver you want to install for this hardware.




Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.

Manufacturer

- Linino
- Microsoft
- Quatech
- Silicon Labs

Model

- Silicon Labs CP210x USB to UART Bridge Version: 11.3.0.176 [1]
- Silicon Labs CP210x USB to UART Bridge Version: 6.7.4.261 [19]
- Silicon Labs Dual CP2105 USB to UART Bridge: Enhanced CO
- Silicon Labs Dual CP2105 USB to UART Bridge: Enhanced CO



This driver is digitally signed.

[Tell me why driver signing is important](#)

Have Disk...

< Back

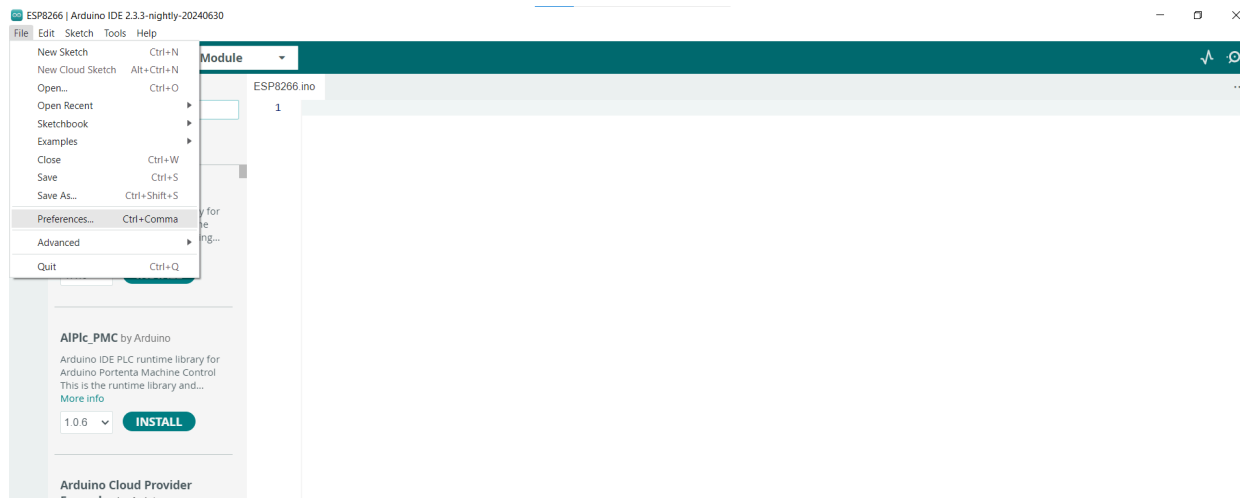
Next >

Cancel

Prerequisites and Installation Guide

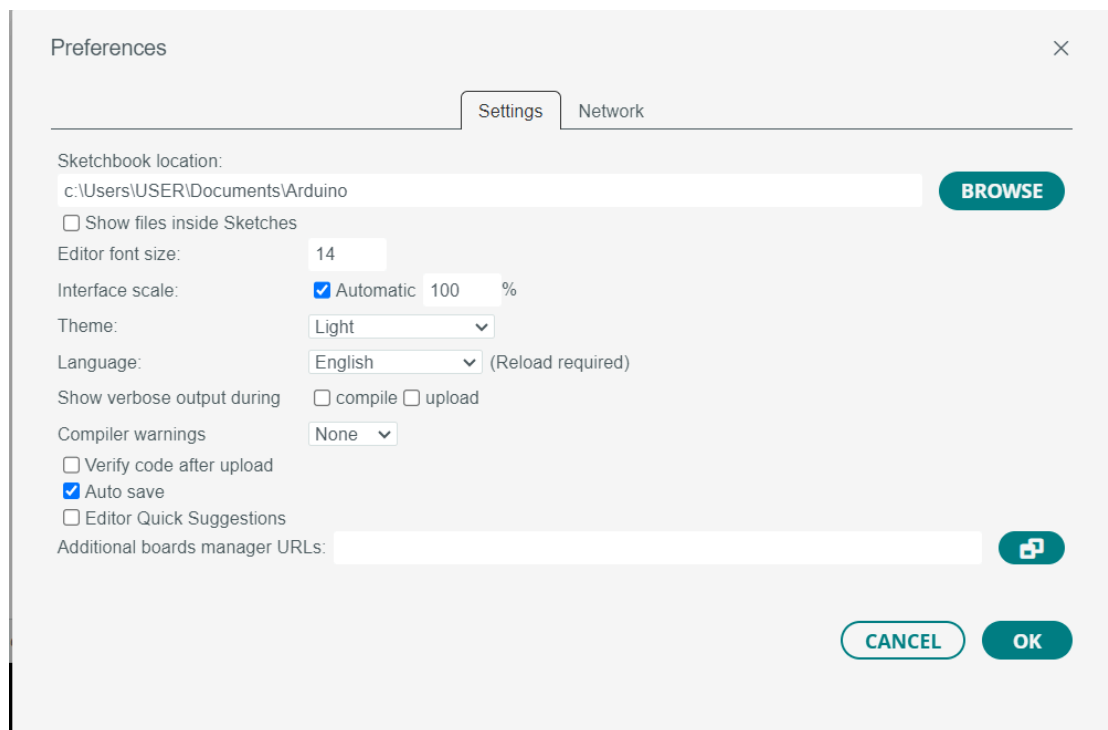
- Installing board Module

- Select File from menu bar > select preferences



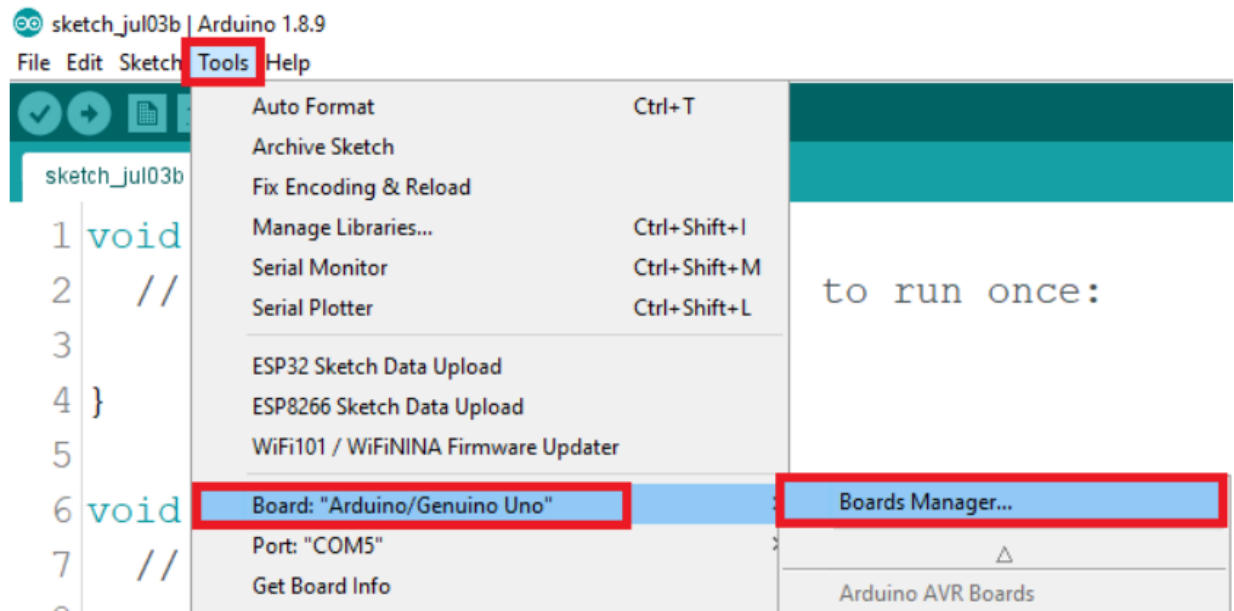
- Preference windows will show up. In additional boards manager URLs type this:

http://arduino.esp8266.com/stable/package_esp8266com_index.json

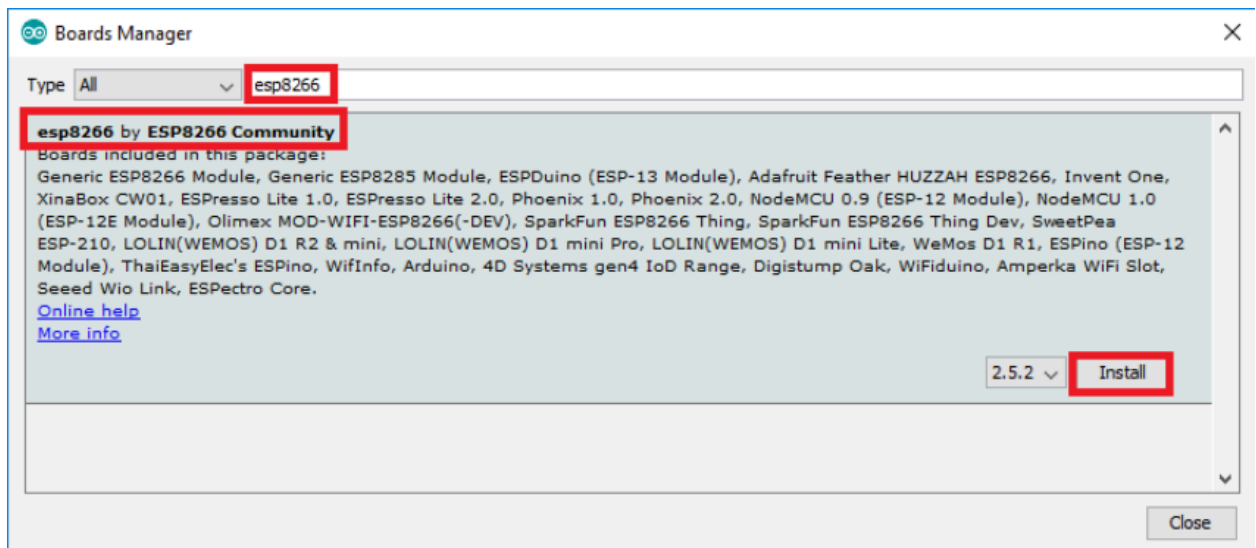


Prerequisites and Installation Guide

- Open the Boards Manager. Go to Tools > Board > Boards Manager...



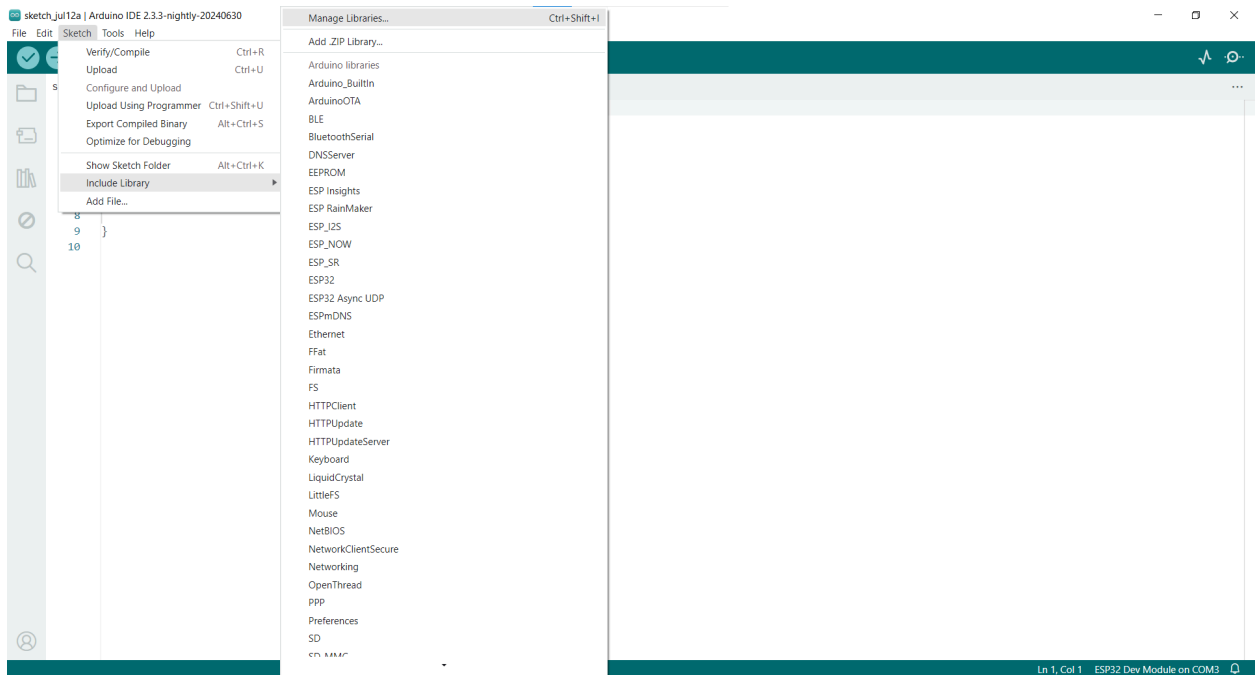
- Search for ESP8266 and press install button for the “ESP8266 by ESP8266 Community”



Prerequisites and Installation Guide

- Installing Libraries In Arduino IDE:

- Select sketch > Include library > Manage Library



- Download DHT11 sensor Library By Adafruit and firebase arduino client library for ESP 8266 and ESP32

