

Evelta LTE Raspberry Pi HAT

Windows (Quectel) USB Modem Driver Installation and Set-up Dial-up Connection User Guide

USB Modem Driver Installation Steps

1. Visit the Evelta product page and download the USB modem driver and unzip it.

- High-efficiency power regulation.
- LTE category 4 module optimized for broadband IoT applications
- Worldwide LTE, UMTS/HSPA(+) and GSM/GPRS/EDGE coverage
- Standard PCI Express Mini Card form factor (Mini PCIe) ideal for manufacturers to easily integrate wireless connectivity into their devices
- MIMO technology meets demands for data rate and link reliability in modem wireless communication systems
- Taking the module into the Airplane Mode, resetting module or RI and DTR functions can be accessible over GPIO pins.
- The power of the whole board electronics can be disabled for low-power consumption use cases
- Working temperature range: -40C ~ 80C.

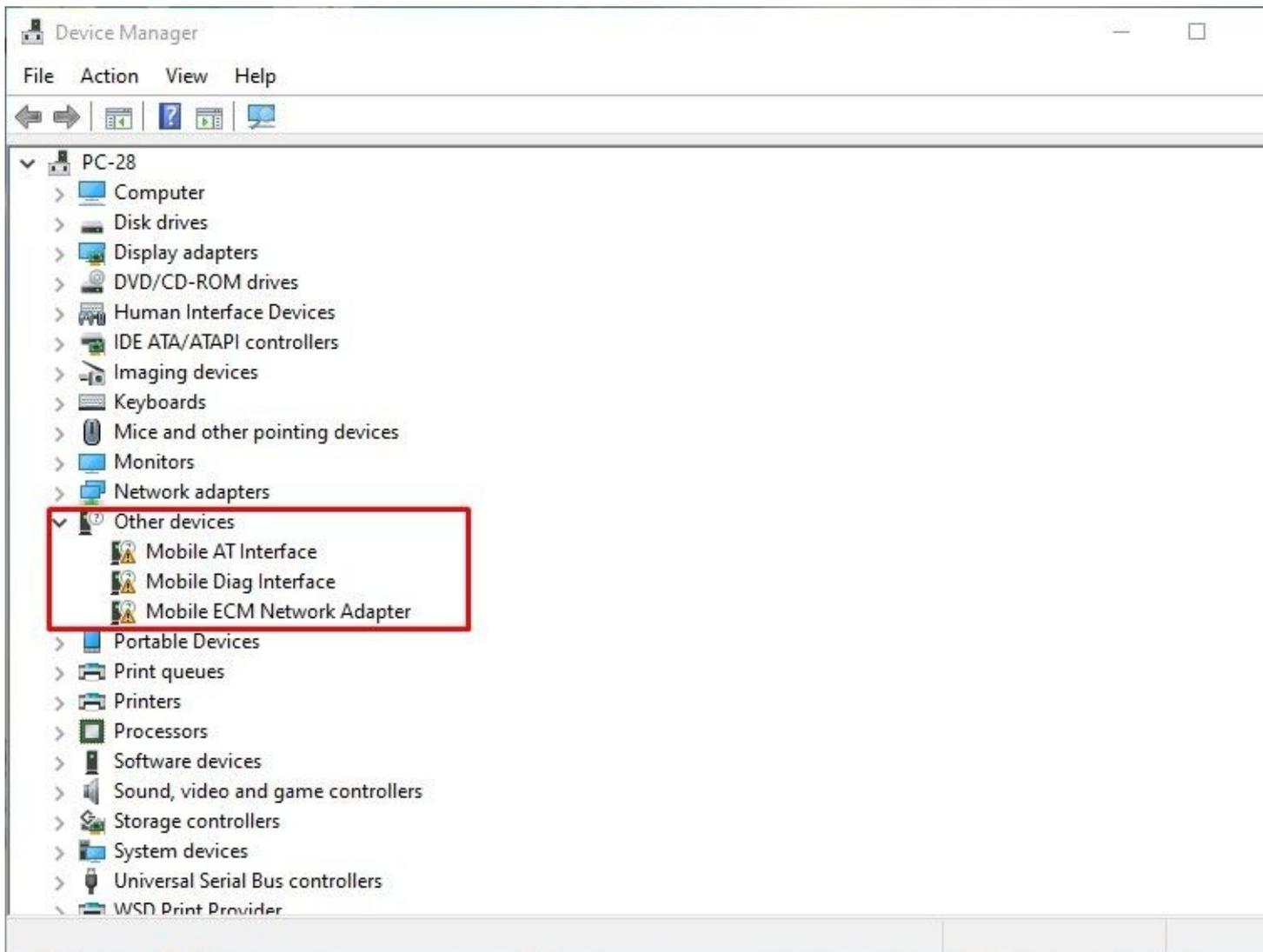
Resources

- [Quectel EC200T LTE](#)
- [User Manual](#)
- [RPI 4G LTE Base HAT with miniPCIe Slot 3D STEP file](#)
- [Windows USB modem driver](#)

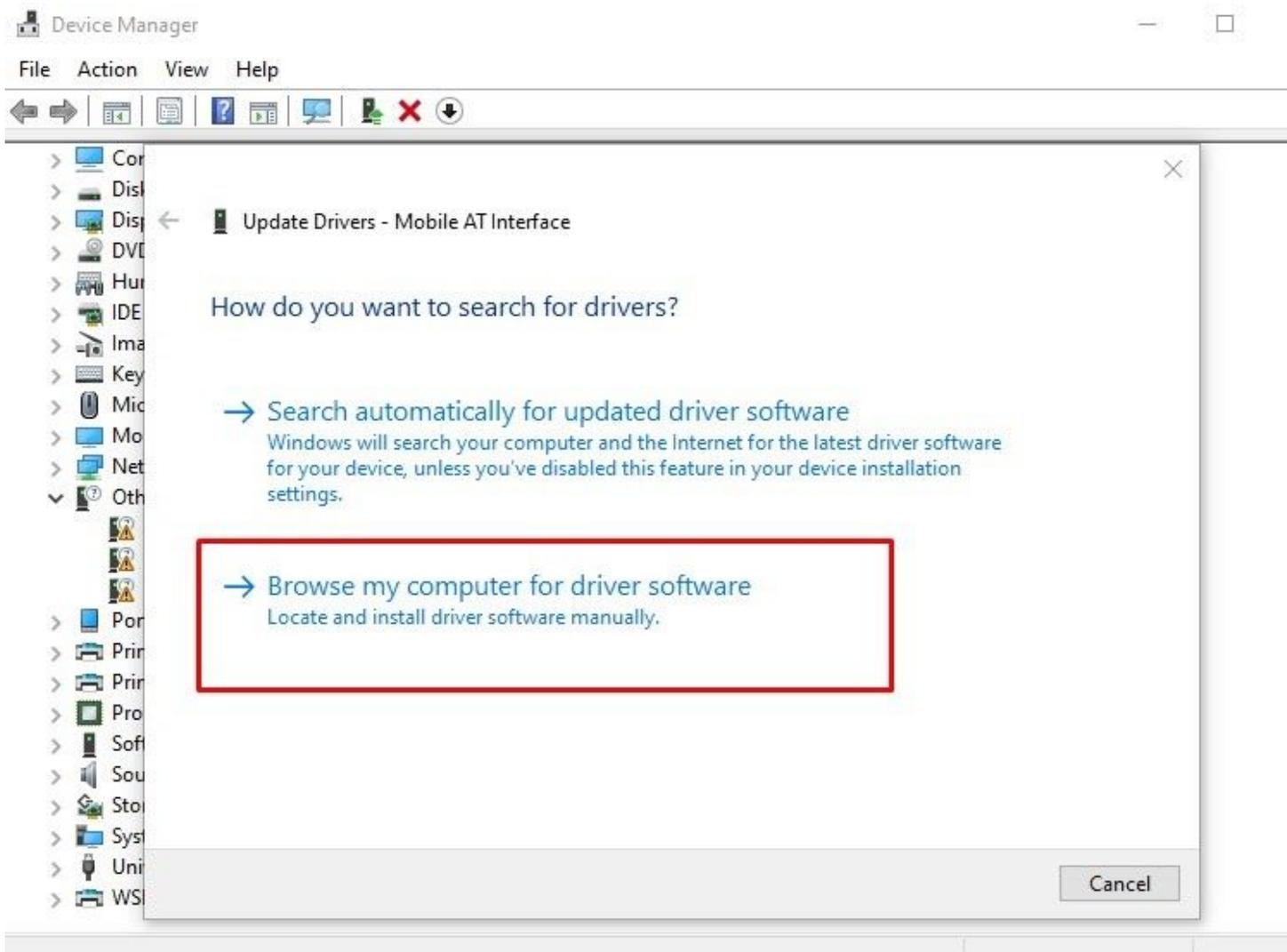
Extra Information

| | |
|--------|--------|
| Brand: | Evelta |
|--------|--------|

2. Attach the Quectel miniPCIe module with the device and insert a 4G nano SIM card into the respective slot of the device. Now connect the device with your computer via USB cable. The yellow LED starts light and after a few seconds the blue LED starts blinking. Now the device is ready.
3. Open **Device Manager**, you should see the other devices as shown in the image below.

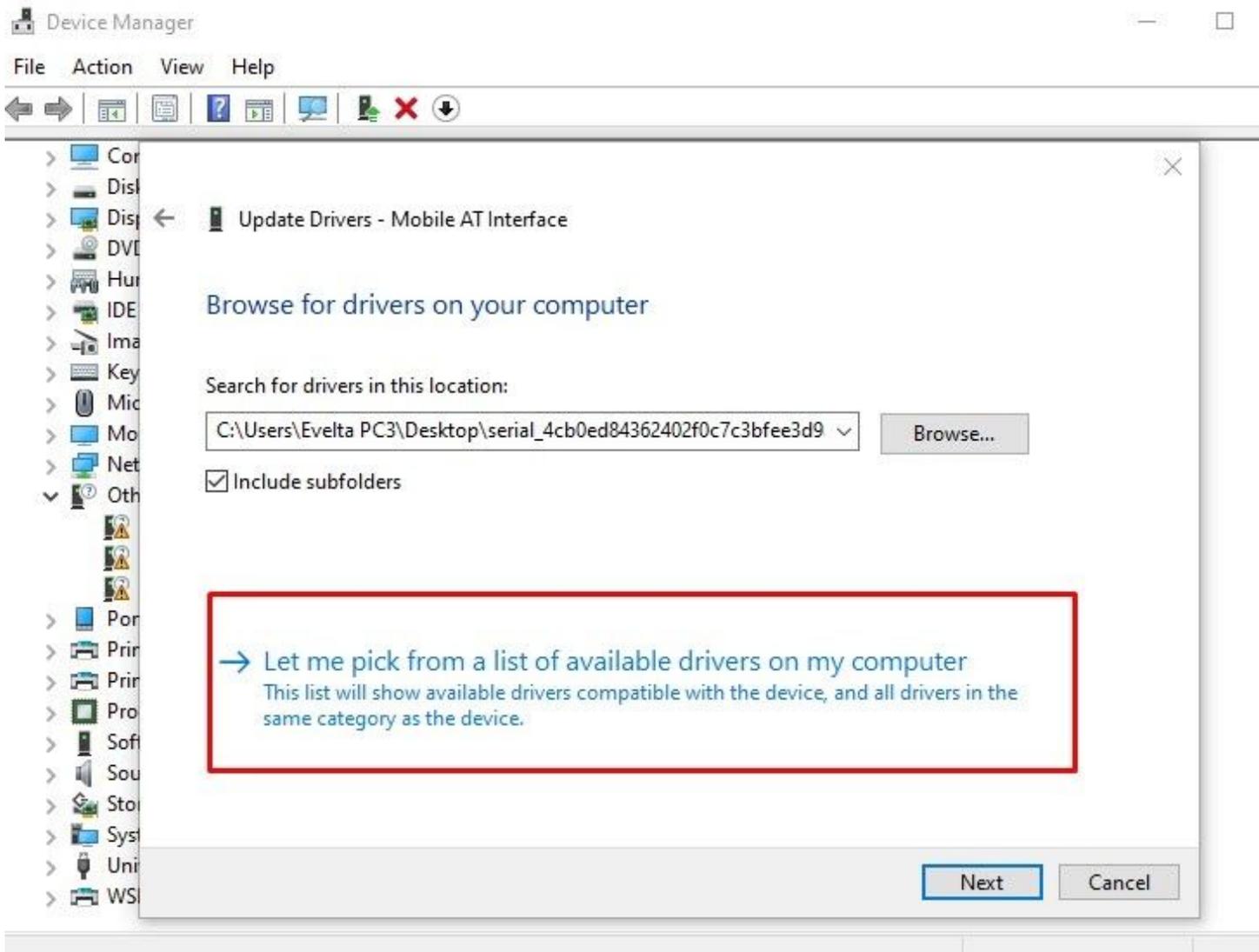


4. Right click on the **Mobile AT Interface**, click update driver. A pop-up window will appear.



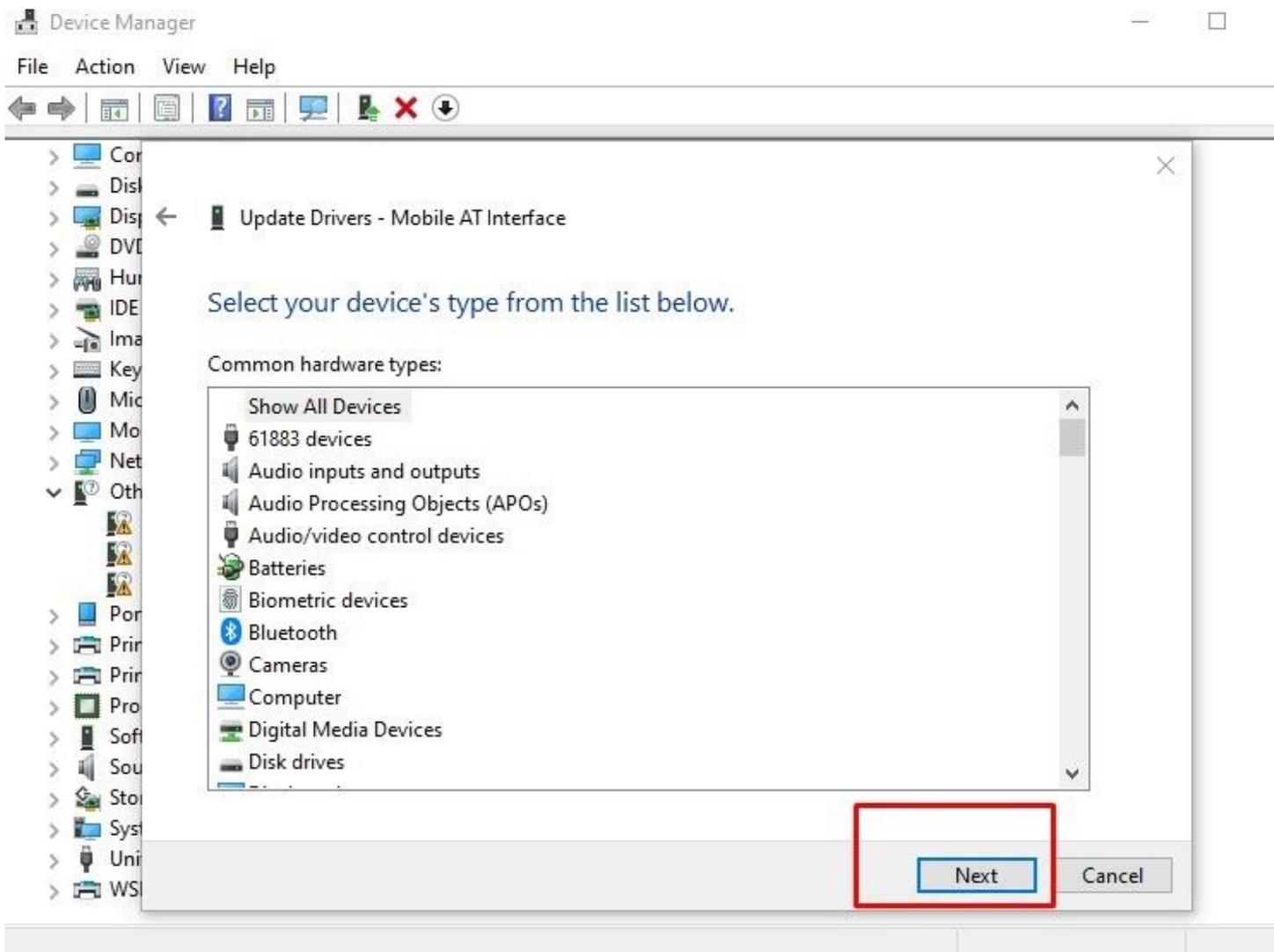
Click the text button in the Red Box as shown in the image to locate and install the driver manually.

5. Next window appears as shown below.

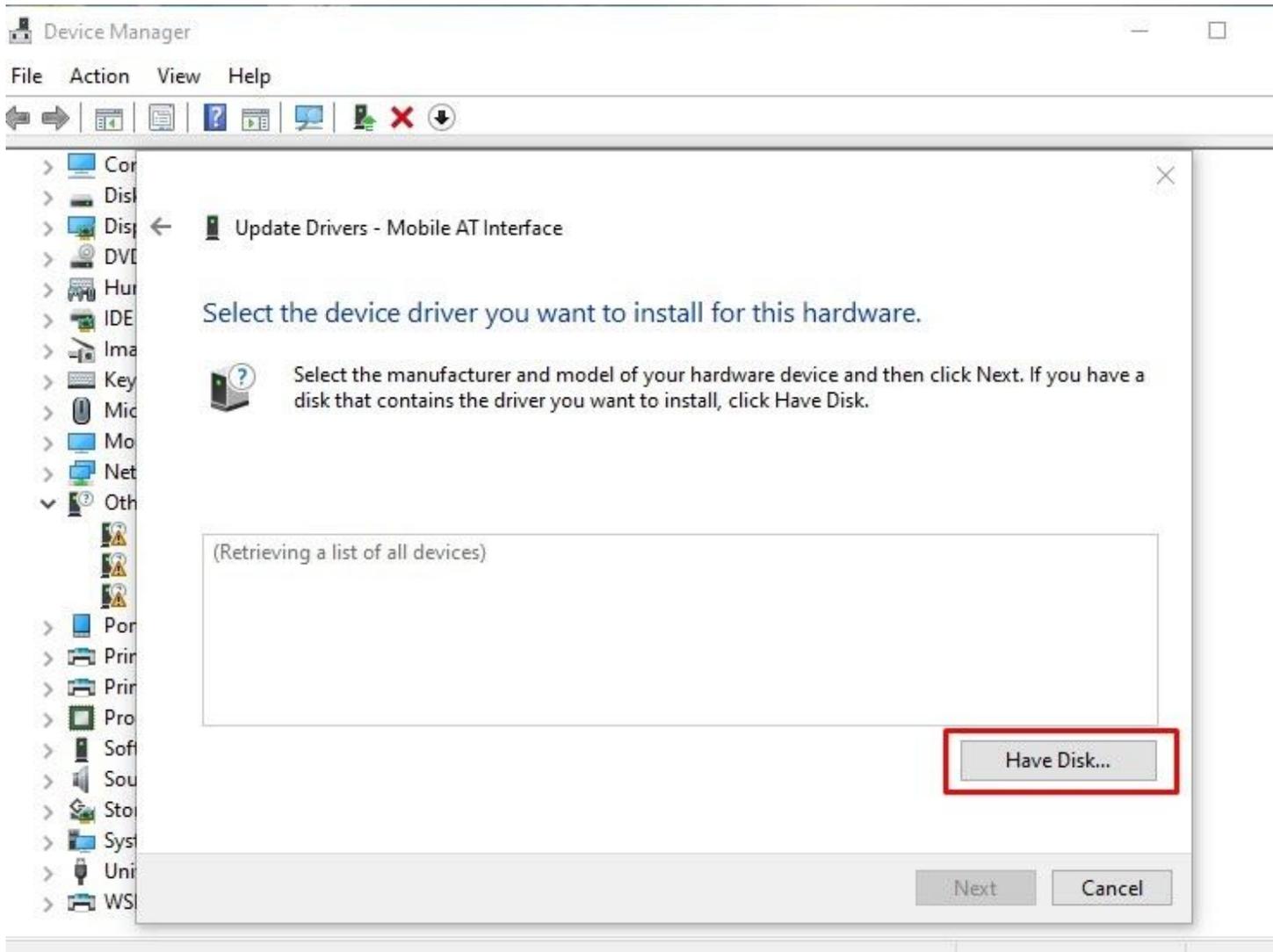


Select the text as shown in the Red Box and click next.

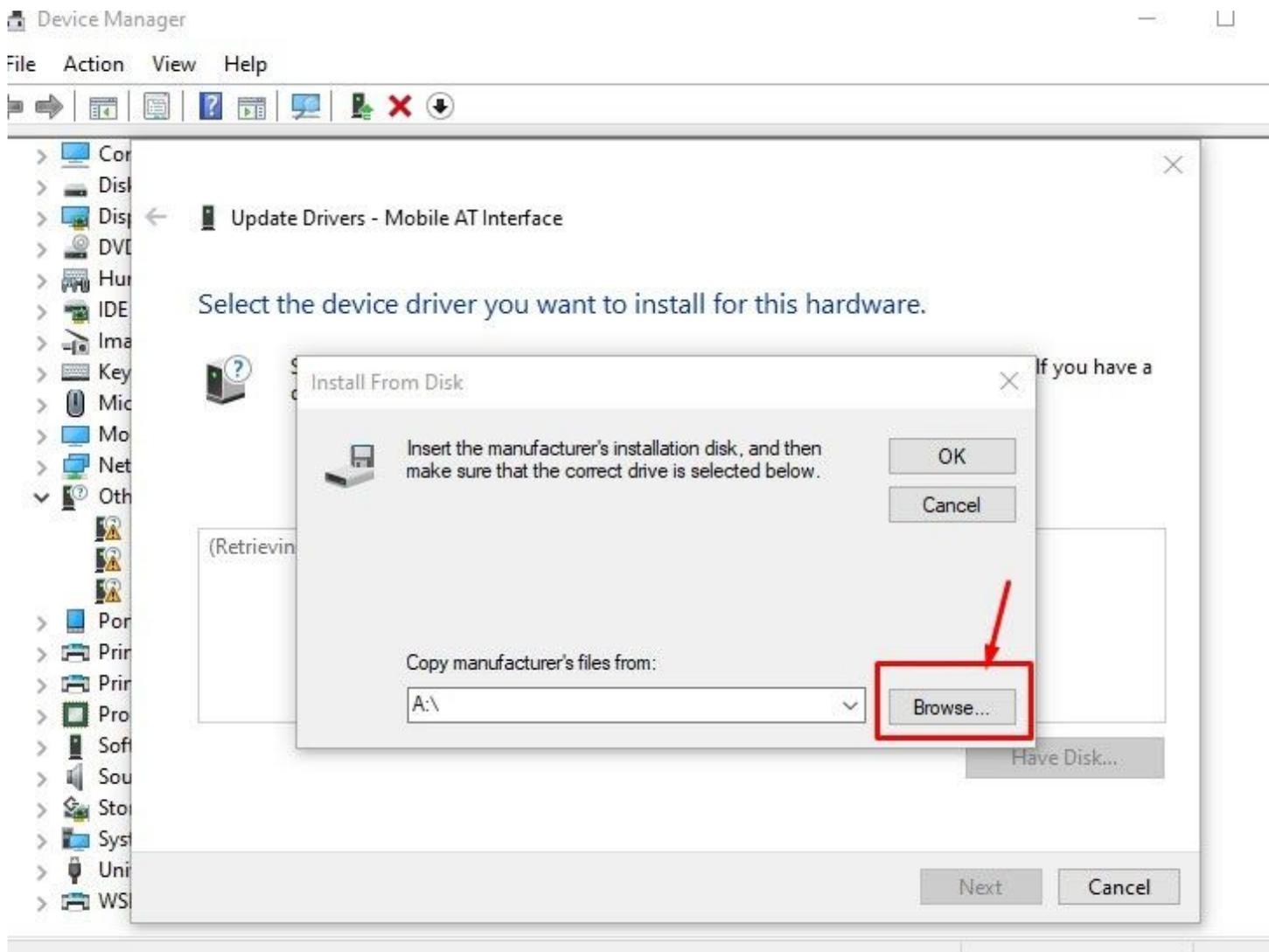
6. You will see the next window as shown below. Click Next.



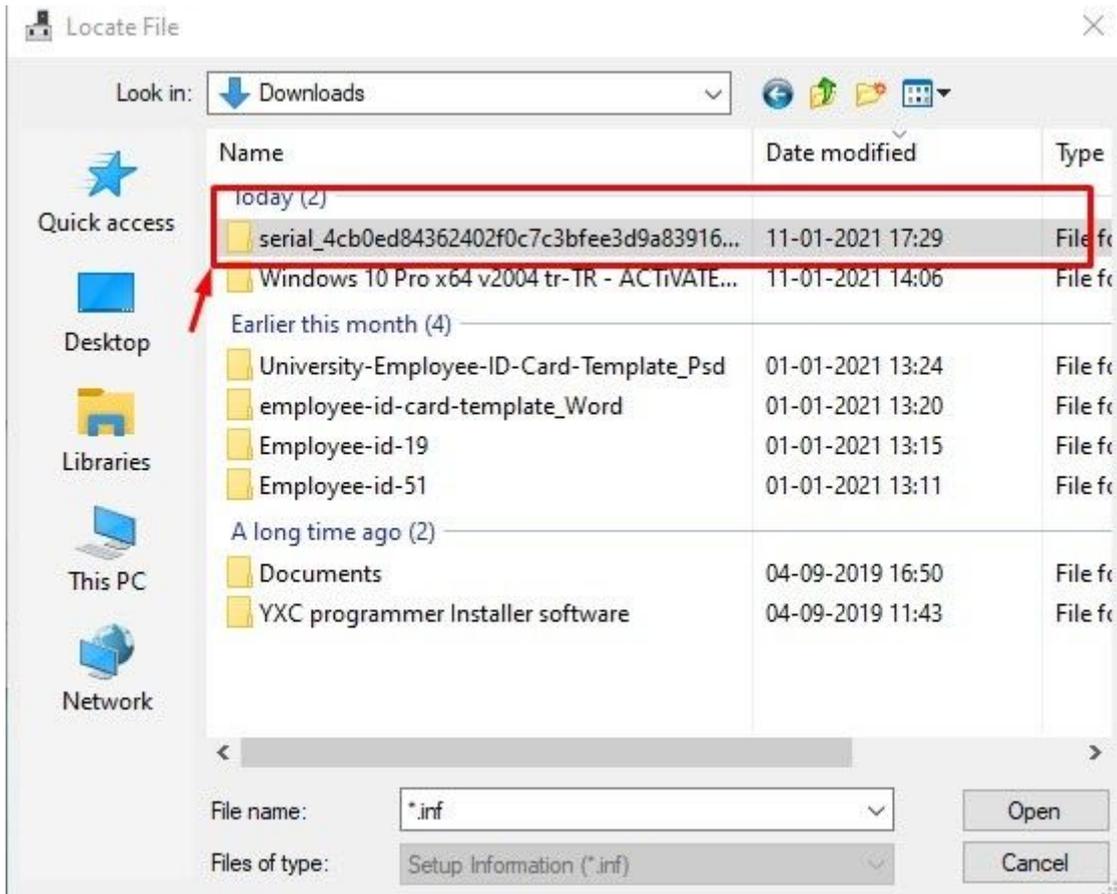
7. Now click on the Have Disk text button as shown below.



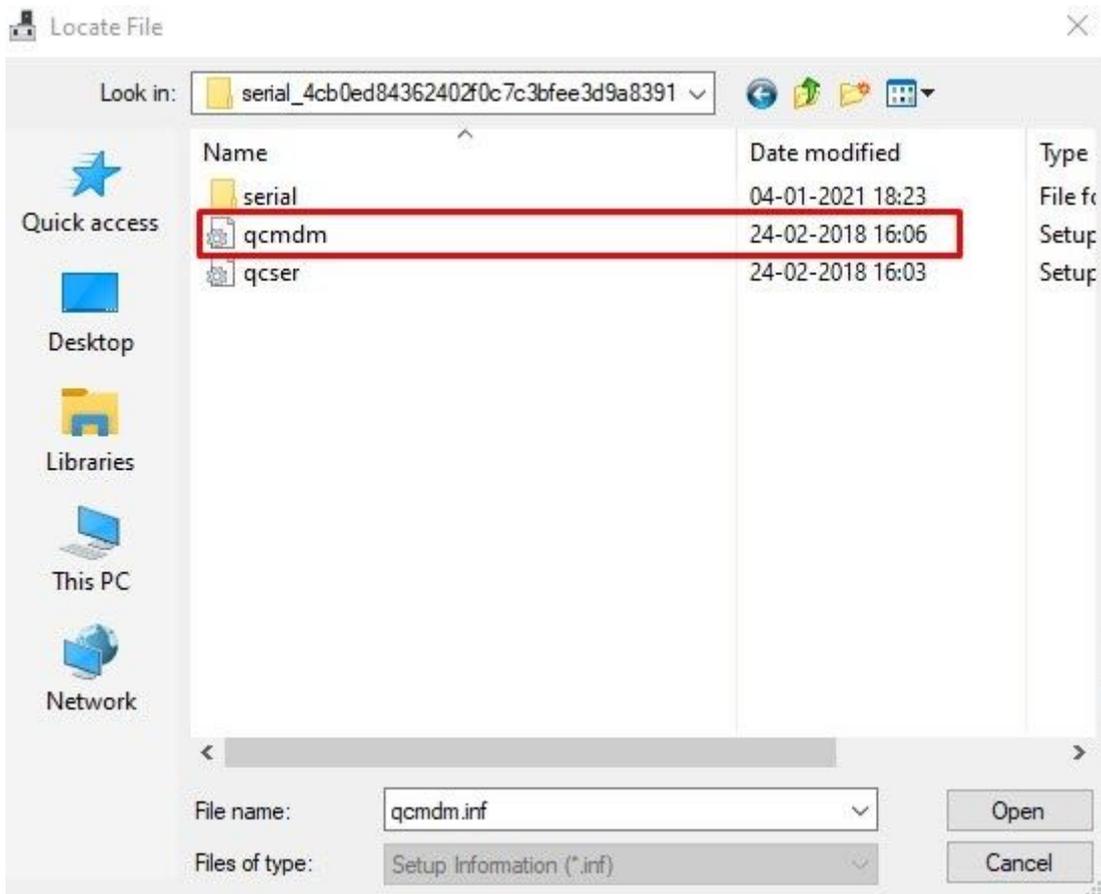
8. The next window will appear as shown below. Click the browse button to locate the driver folder (downloaded and unzipped).



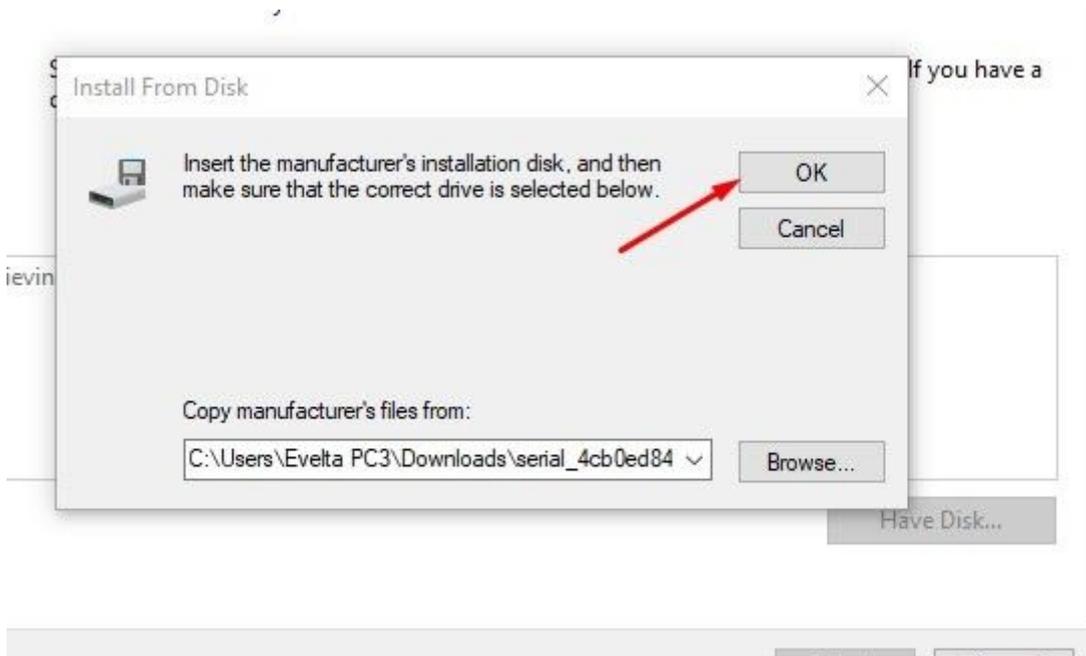
9. Locate the driver folder and click open.



10. Open the folder and select the **qcmdm** file. Click open.



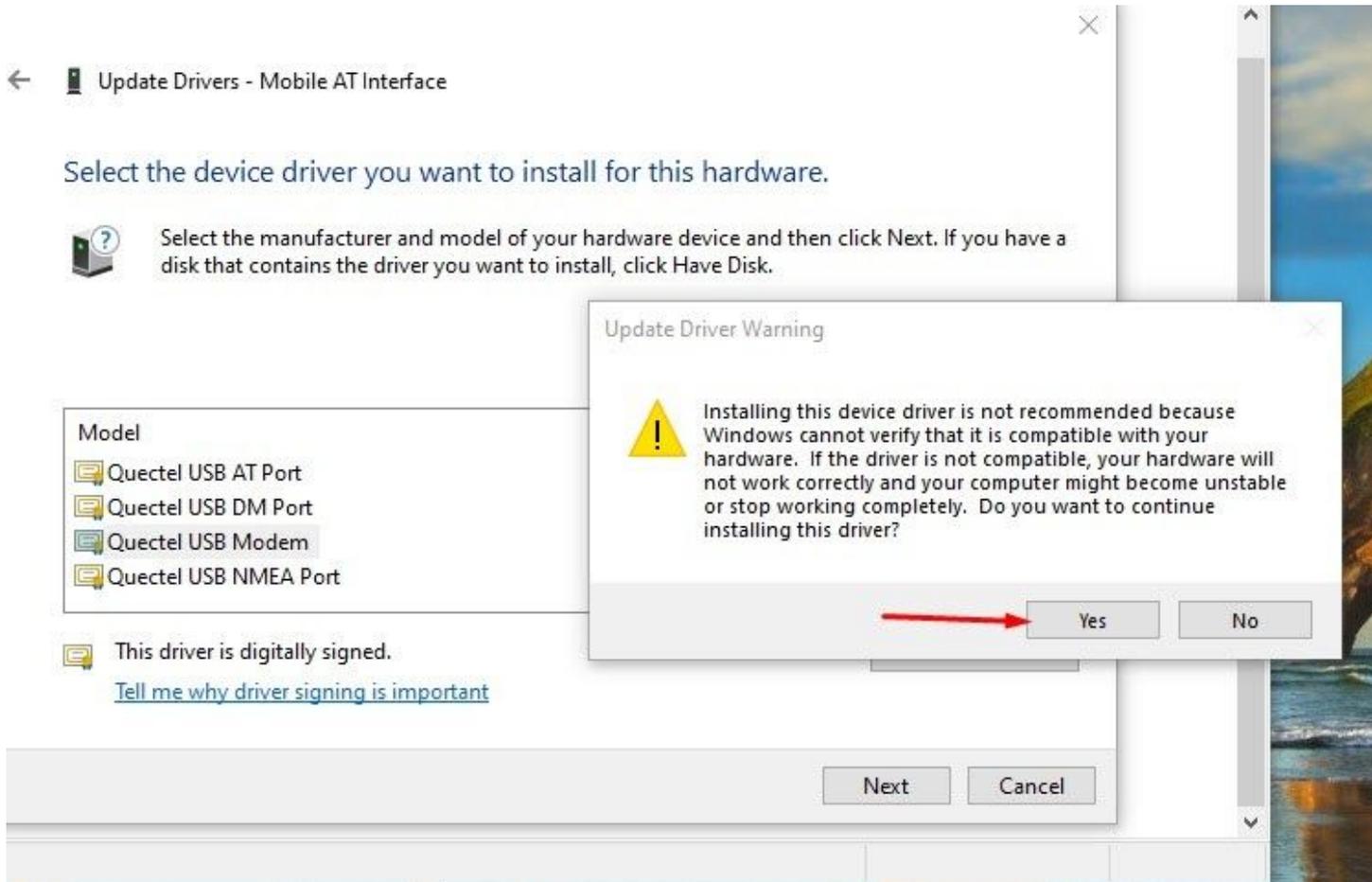
11. Click OK.



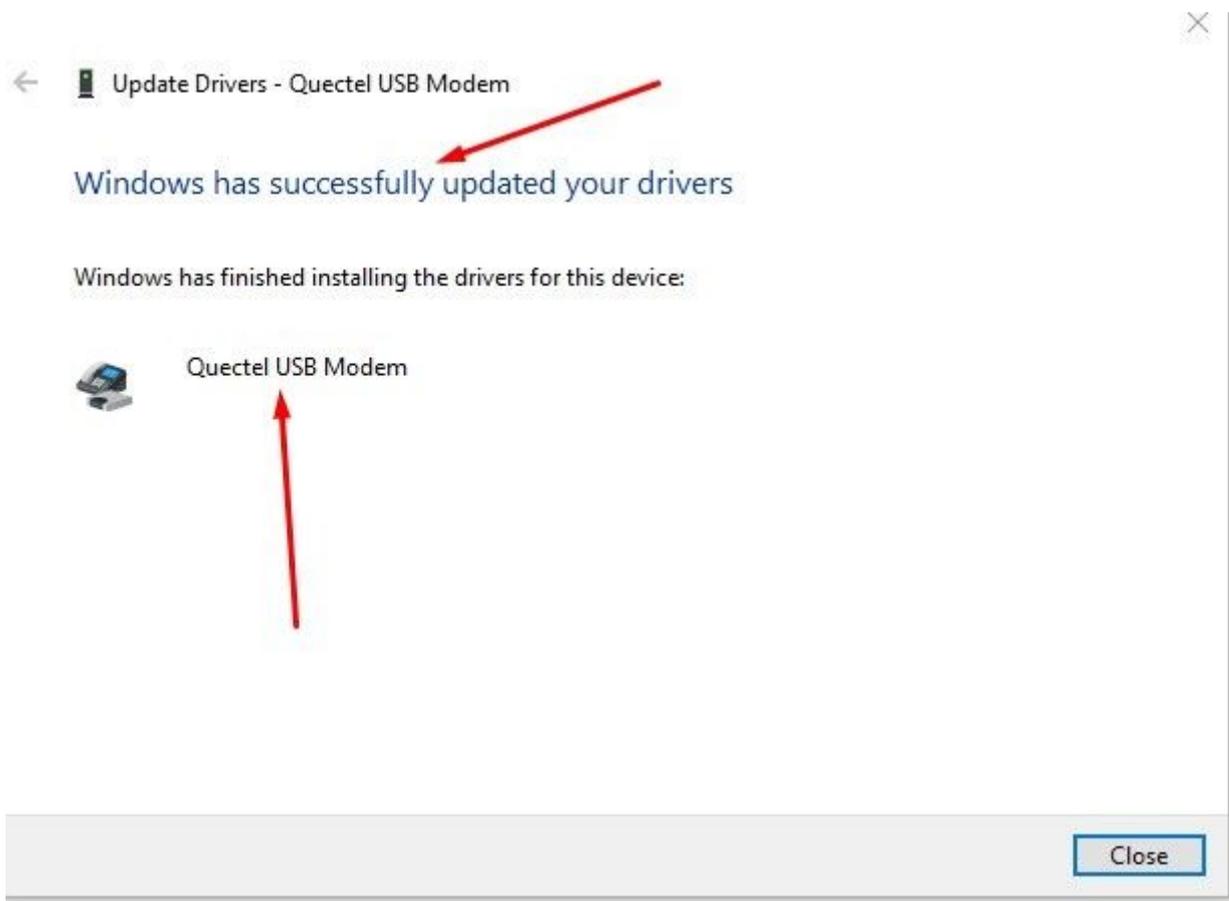
12. Now select the device **Quectel USB Modem**. And click **Next**.



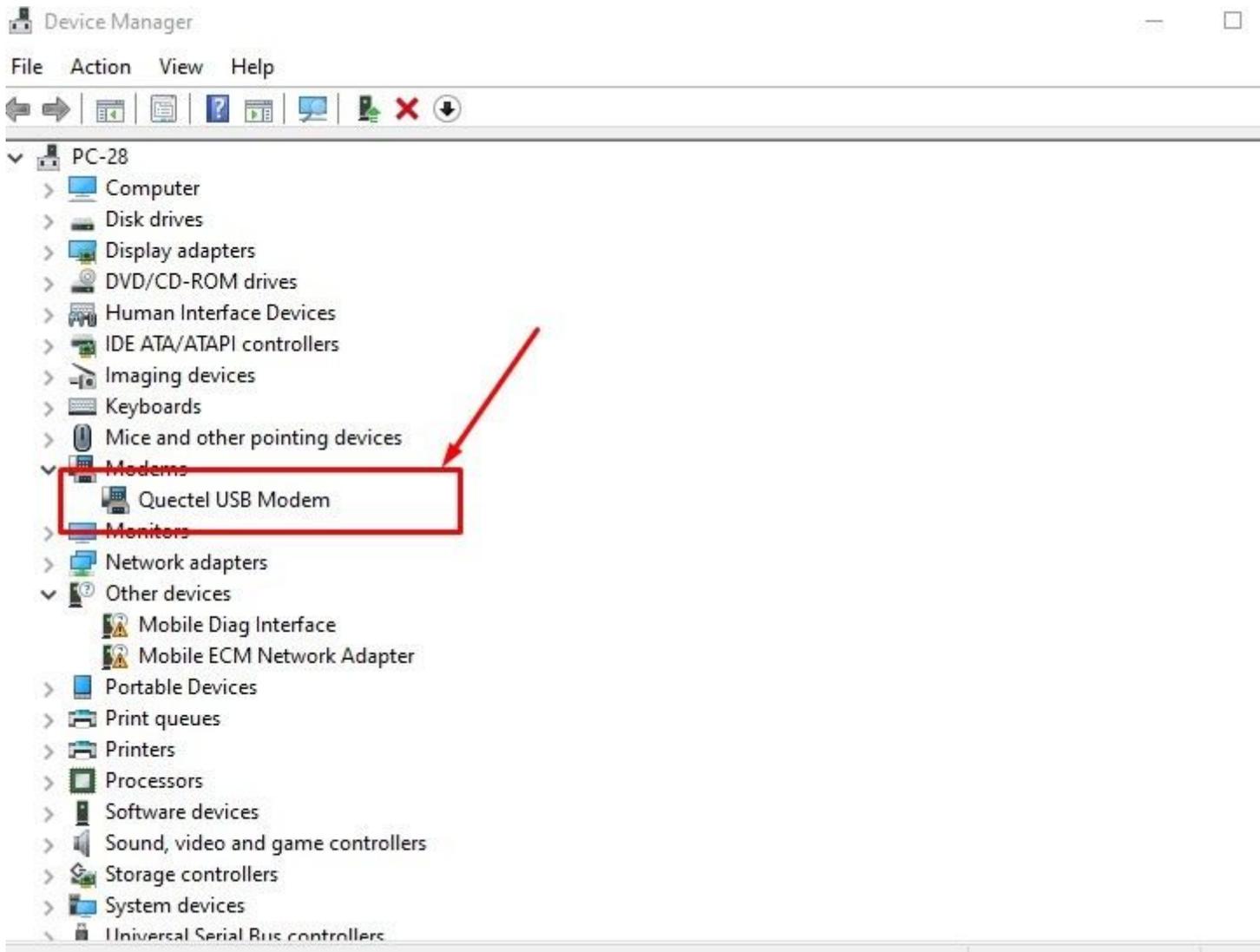
13. Click **Yes** to Update Driver Warning.



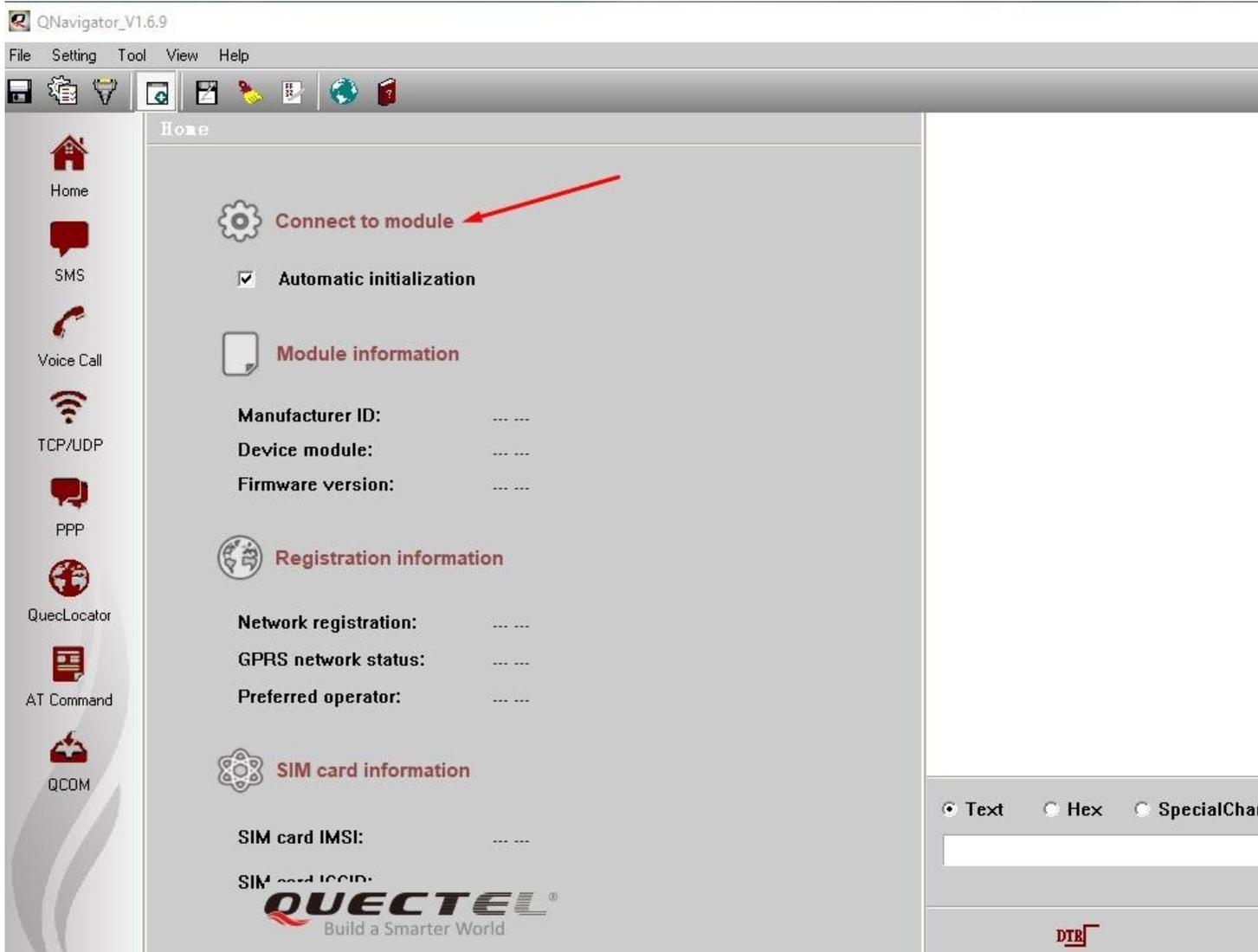
14. Driver successfully installed.



15. After successful installation, you can see the modem driver in Device Manager as shown below.



16. Check if the device is functional or not with the Quectel tool **Qnavigator**. Download the Qnavigator tool from Quectel's website. Now Open the Qnavigator tool and connect to the module



17. If the device is connected, you can see the Module information, SIM and Network registration information as shown below.

QNavigator_V1.6.9

File Setting Tool View Help

Home

Disconnect to module

Automatic initialization

Module information

| | |
|-------------------|---------------------|
| Manufacturer ID: | Quectel |
| Device module: | EC200T |
| Firmware version: | EC200TCNHAR02A13M16 |

Registration information

| | |
|-----------------------|------------|
| Network registration: | Registered |
| GPRS network status: | Registered |
| Preferred operator: | Jio 4G |

SIM card information

| | |
|-----------------|----------------------|
| SIM card IMSI: | 405874071200698 |
| SIM card ICCID: | 89918700100001149275 |

```

/* Use AT+CSQ to query current signal quality */
[2021-01-11 18:20:31:471_S:] AT+CSQ
[2021-01-11 18:20:31:525_R:] AT+CSQ
[2021-01-11 18:20:31:525_R:] +CSQ: 3,99

[2021-01-11 18:20:31:525_R:] OK

/* Use AT+CREG? /AT+CGREG? to query the netwc
[2021-01-11 18:20:31:532_S:] AT+CREG?
[2021-01-11 18:20:31:585_R:] AT+CREG?
[2021-01-11 18:20:31:585_R:] +CREG: 0,1

[2021-01-11 18:20:31:585_R:] OK
[2021-01-11 18:20:31:594_S:] AT+CGREG?
[2021-01-11 18:20:31:649_R:] AT+CGREG?
[2021-01-11 18:20:31:649_R:] +CGREG: 0,1

[2021-01-11 18:20:31:649_R:] OK

/* Use AT+COPS? to query current Network Operato
[2021-01-11 18:20:31:701_S:] AT+COPS?
[2021-01-11 18:20:31:757_R:] AT+COPS?
[2021-01-11 18:20:31:757_R:] +COPS: 0,0,"Jio 4G",

[2021-01-11 18:20:31:757_R:] OK
[2021-01-11 18:20:31:806_S:] AT+CLVL=?
[2021-01-11 18:20:31:860_R:] AT+CLVL=?
[2021-01-11 18:20:31:860_R:] +CLVL: (0-5)

[2021-01-11 18:20:31:860_R:] OK

```

Text Hex SpecialChars

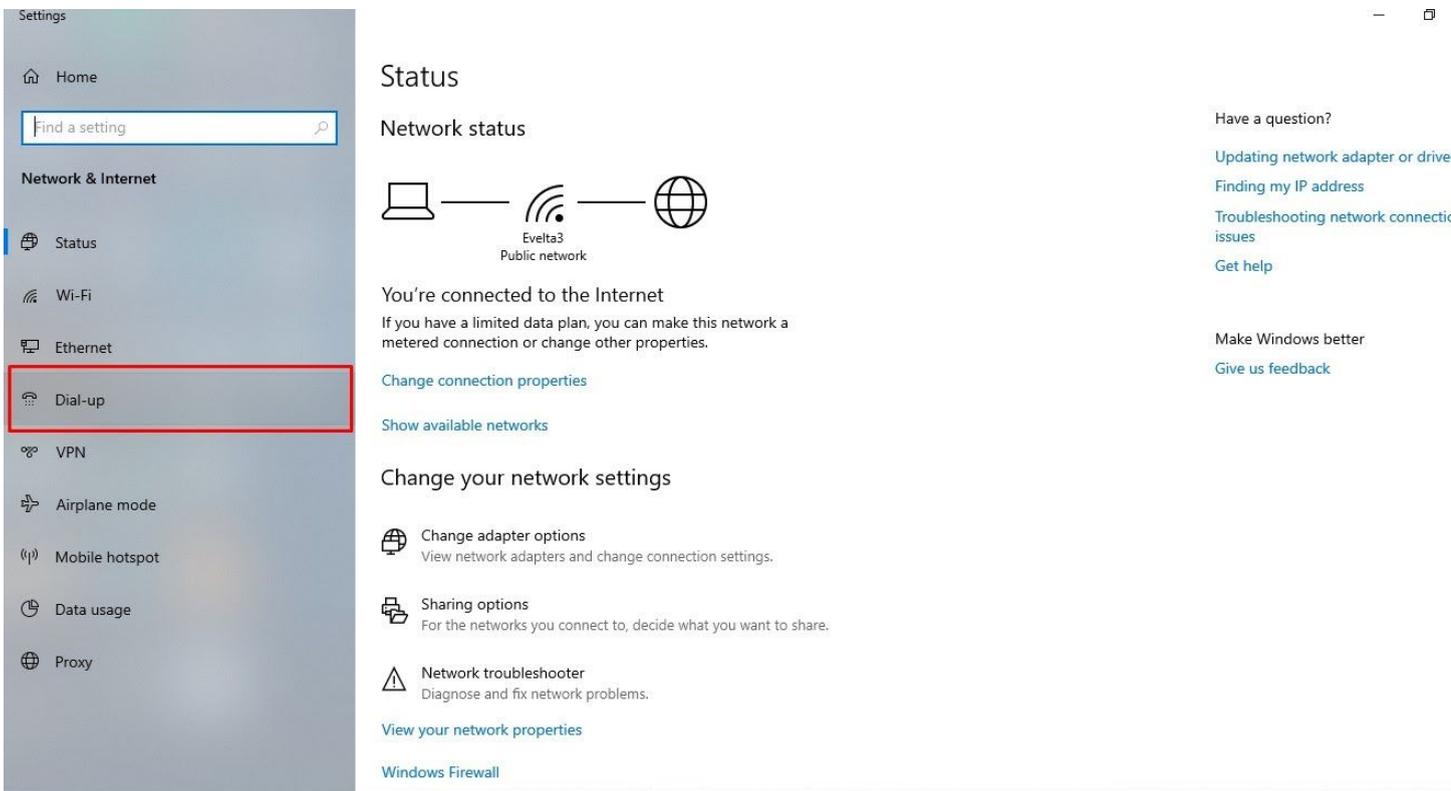
DTR

Set-up Dial-Up Connection Steps

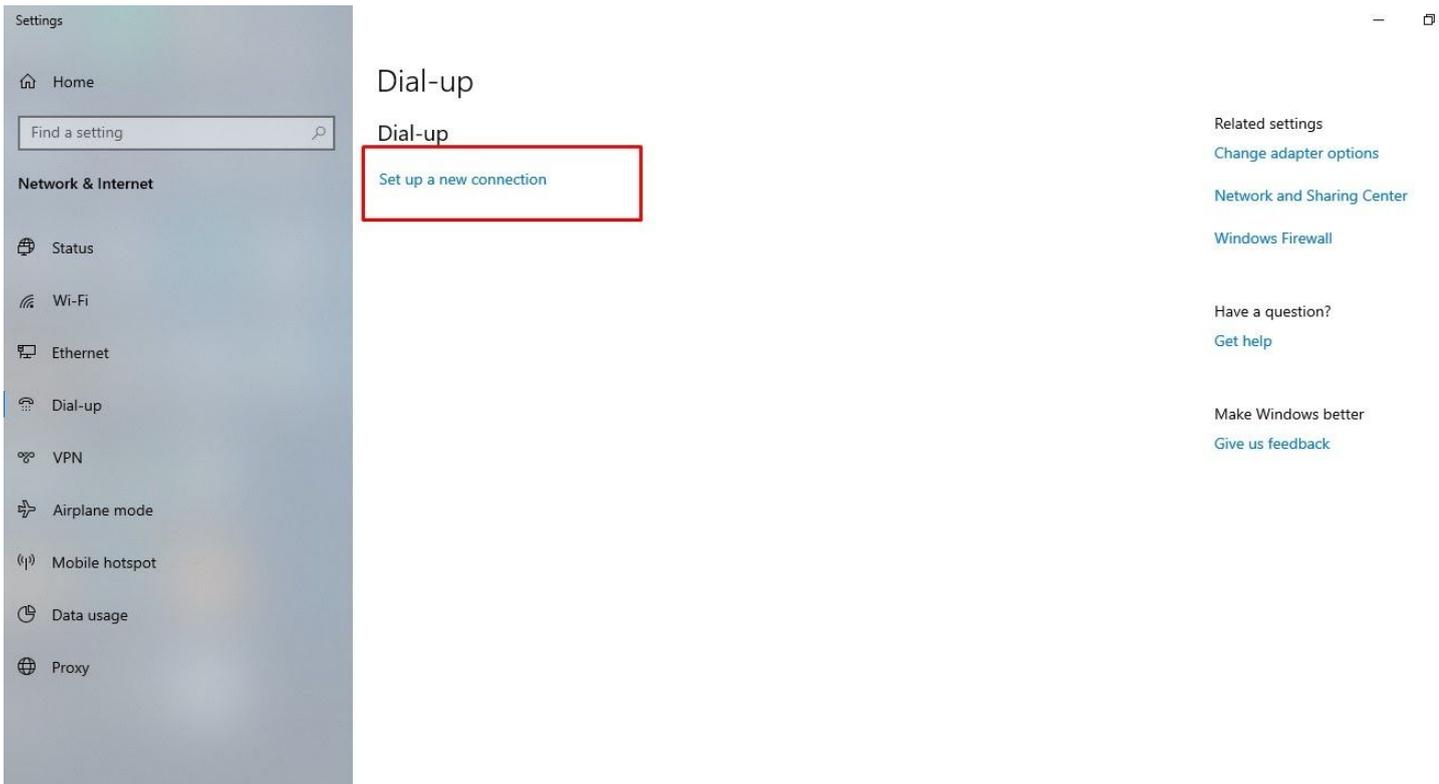
1. Open Network & Internet setting.



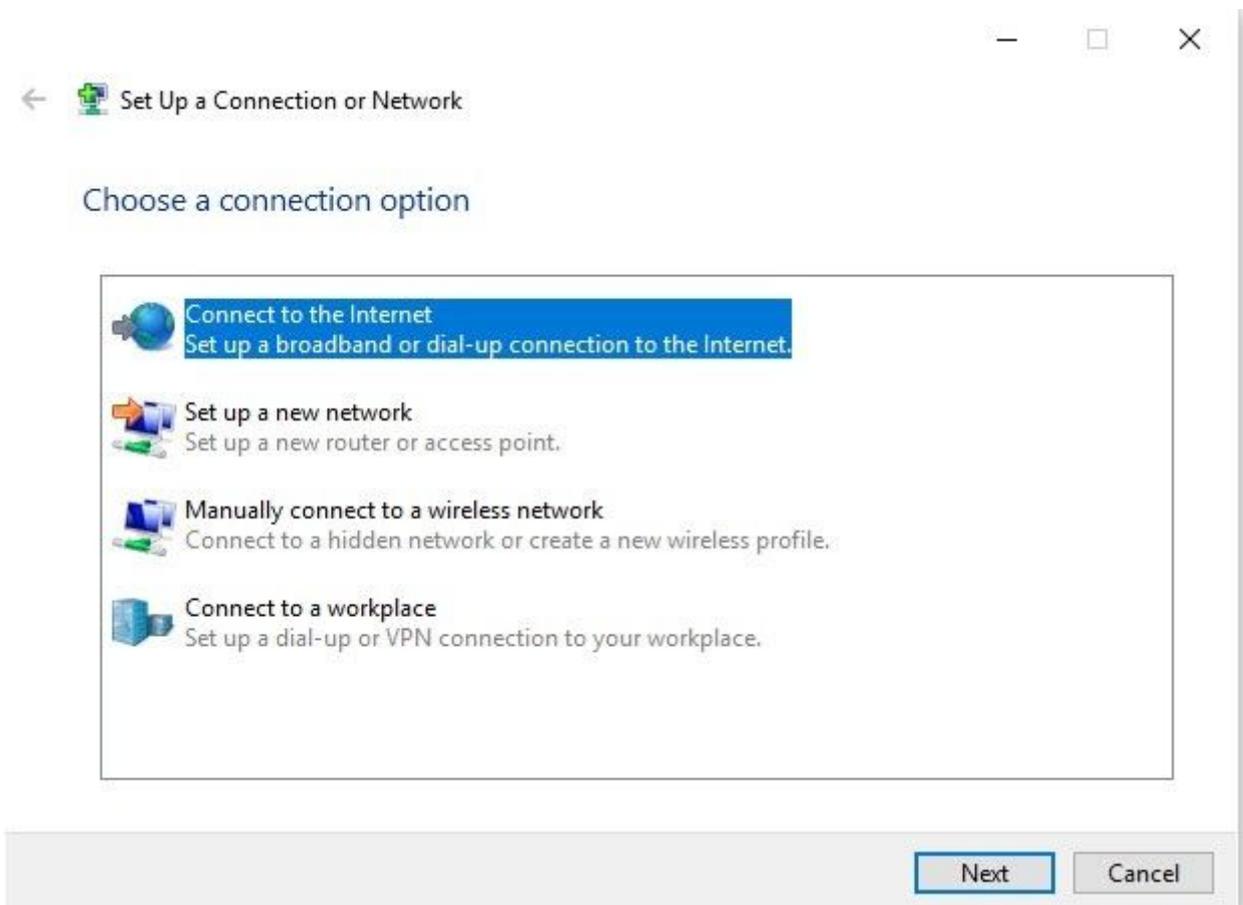
2. Click Dial-Up.



3. Click Set up a new connection.



4. Click **Connect to the Internet** then **Next**.



5. Set up a new connection anyway.



6. Click **Dial-UP**

Connect to the Internet

How do you want to connect?

 **Broadband (PPPoE)**
Connect using DSL or cable that requires a user name and password.

 **Dial-up**
Connect using a dial-up modem or ISDN.

Cancel

7. Enter *99# in the dial-up phone number field and select check-box to allow other people to use this connection as shown below. And click connect.

 Connect to the Internet

Type the information from your Internet service provider (ISP)

Dial-up phone number:

*99#

[Dialing Rules](#)

User name:

[Name your ISP gave you]

Password:

[Password your ISP gave you]

Show characters

Remember this password

Connection name:

Dial-up Connection

Allow other people to use this connection

This option allows anyone with access to this computer to use this connection.

[I don't have an ISP](#)

Connect

Cancel

8. Connecting.....

←  Connect to the Internet

Connecting to Dial-up Connection...



Registering your computer on the network...



Skip

Cancel

9. Connected and ready to use.

Connect to the Internet

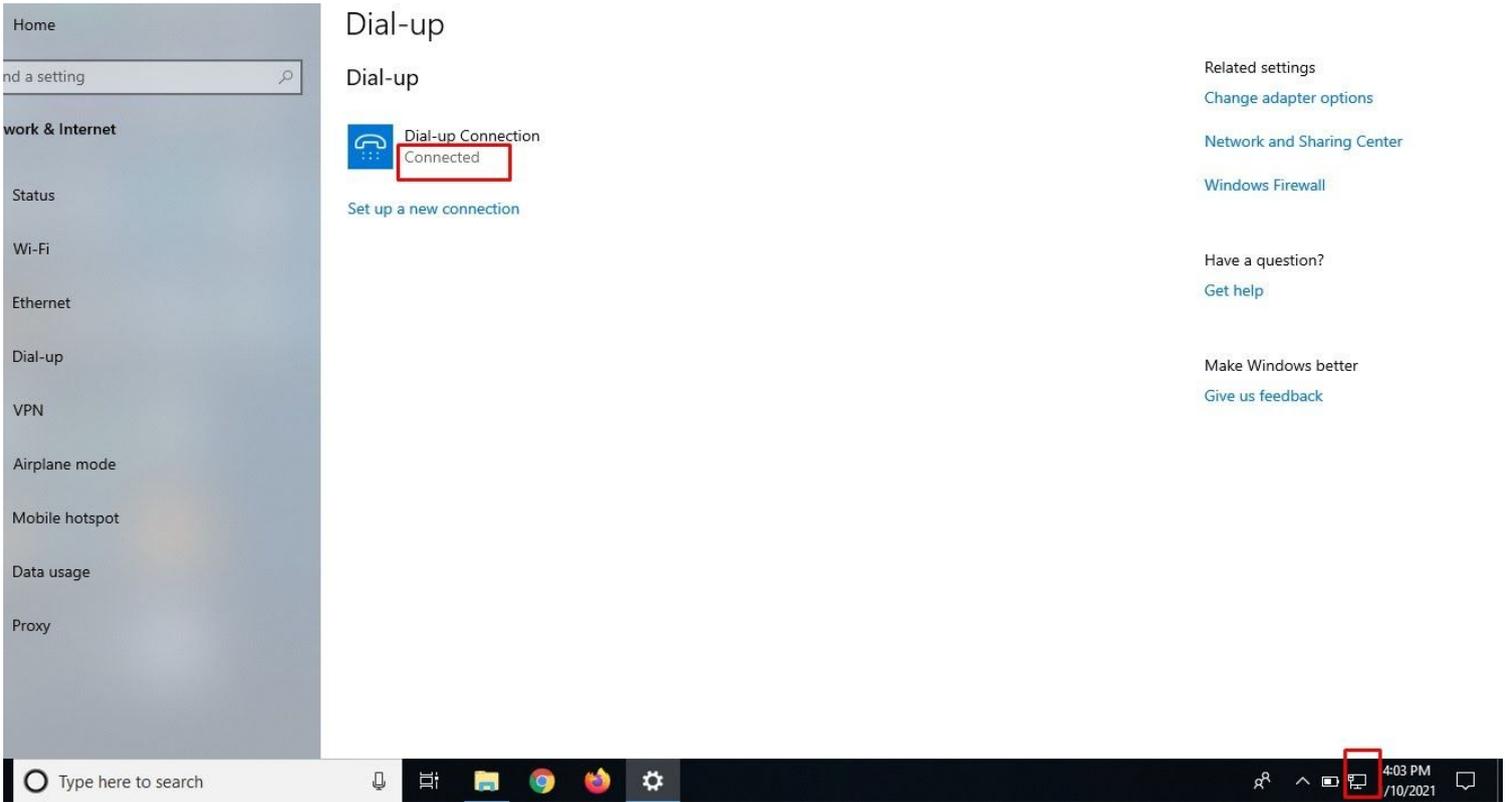
The connection to the Internet is ready to use



To connect to the Internet next time, left-click the network icon in the taskbar and click the connection you just created.

Close

10. Dial-Up connection is created. You can see Dial-Up connection connected in the network & internet setting and network icon changed in the right below corner of the taskbar as shown below.



[For more information, please email us at sales@evelta.com.](mailto:sales@evelta.com)