

How to Install Libusb Driver in Windows 7/8/10

XM-07 can be configured 4 different devices. The configuration software was written by Python. The USB communication section is implemented by PyUSB. How to install the Python and PyUSB library, refer to this:

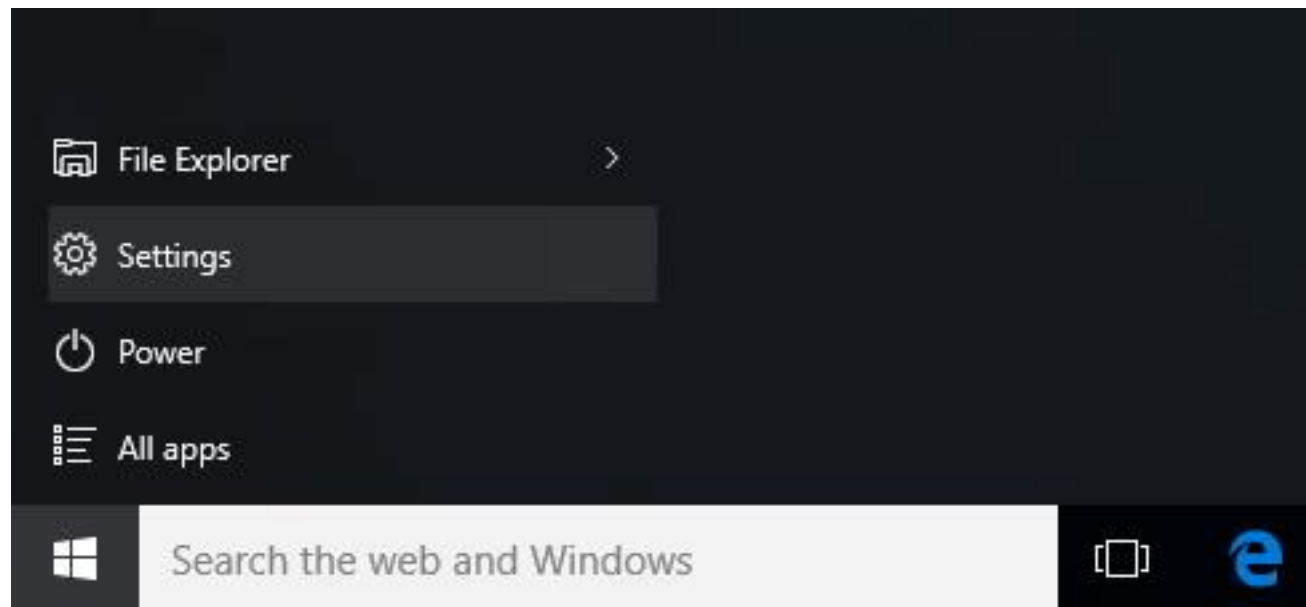
<https://www.python.org/>

<https://github.com/walac/pyusb/blob/master/docs/tutorial.rst>;

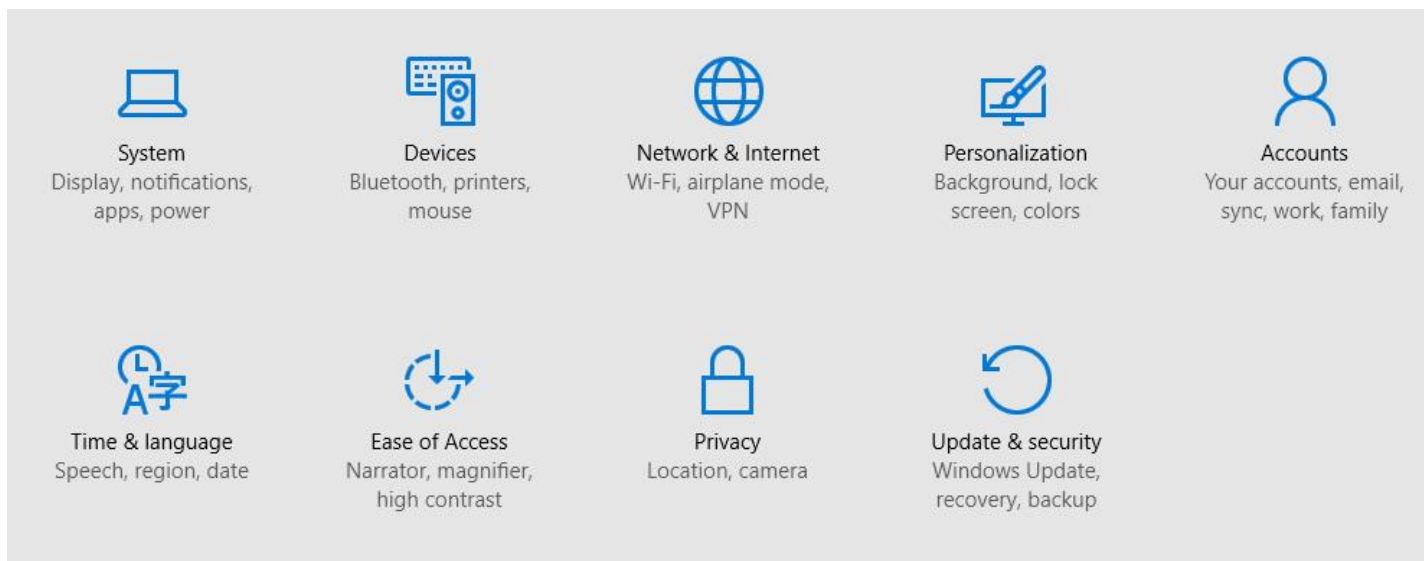
PyUSB needs libusb. Here I only talk about how to install libusb in windows series platform. About Linux, Mac, Raspberry Pi or other system, you can google it.

The system After Windows 7 requires the signature when install a driver, so before installing must disable the signature in temporary. I show how to disable signature in temporary and install libusb in win10.

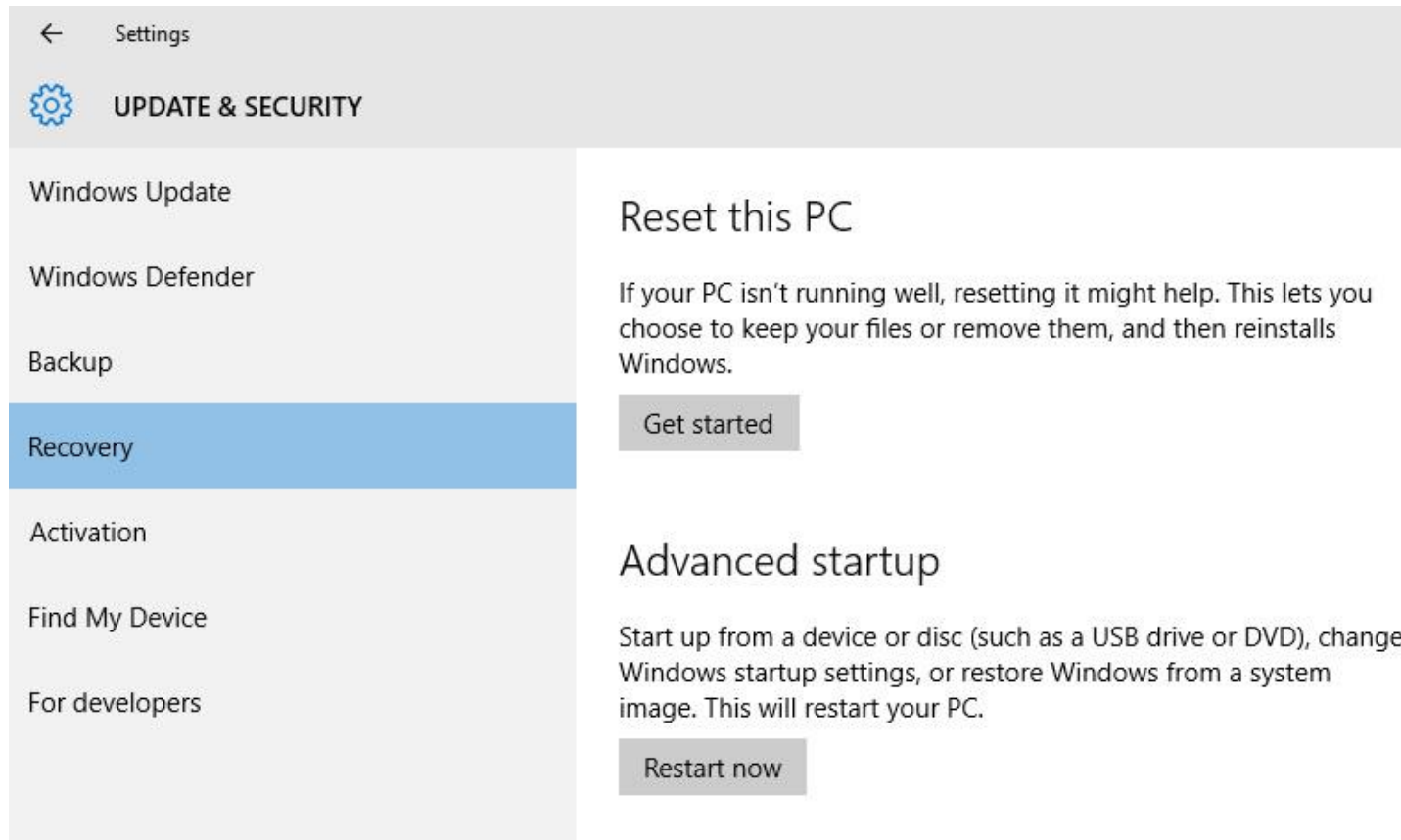
Click windows start icon and click settings,



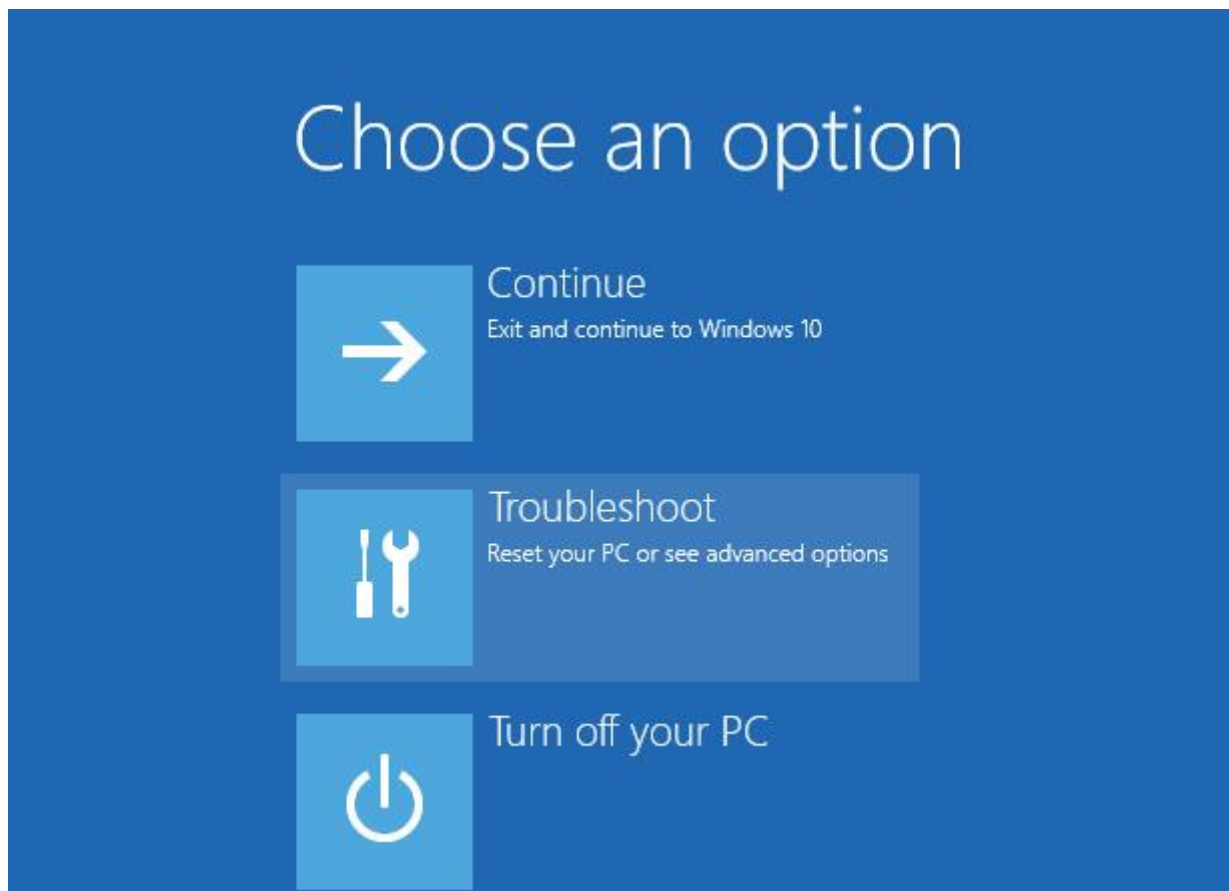
In settings menu, click Update & security,



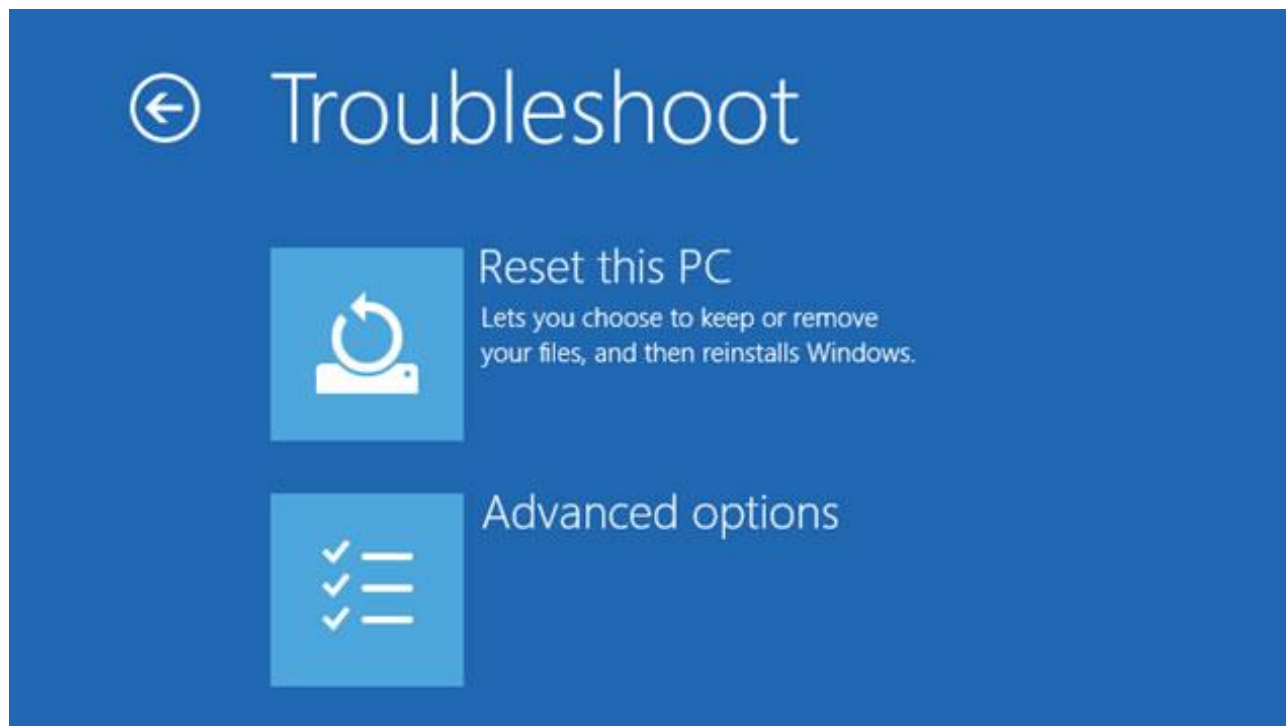
Click Recovery, click Restart now and waiting the system to restart.



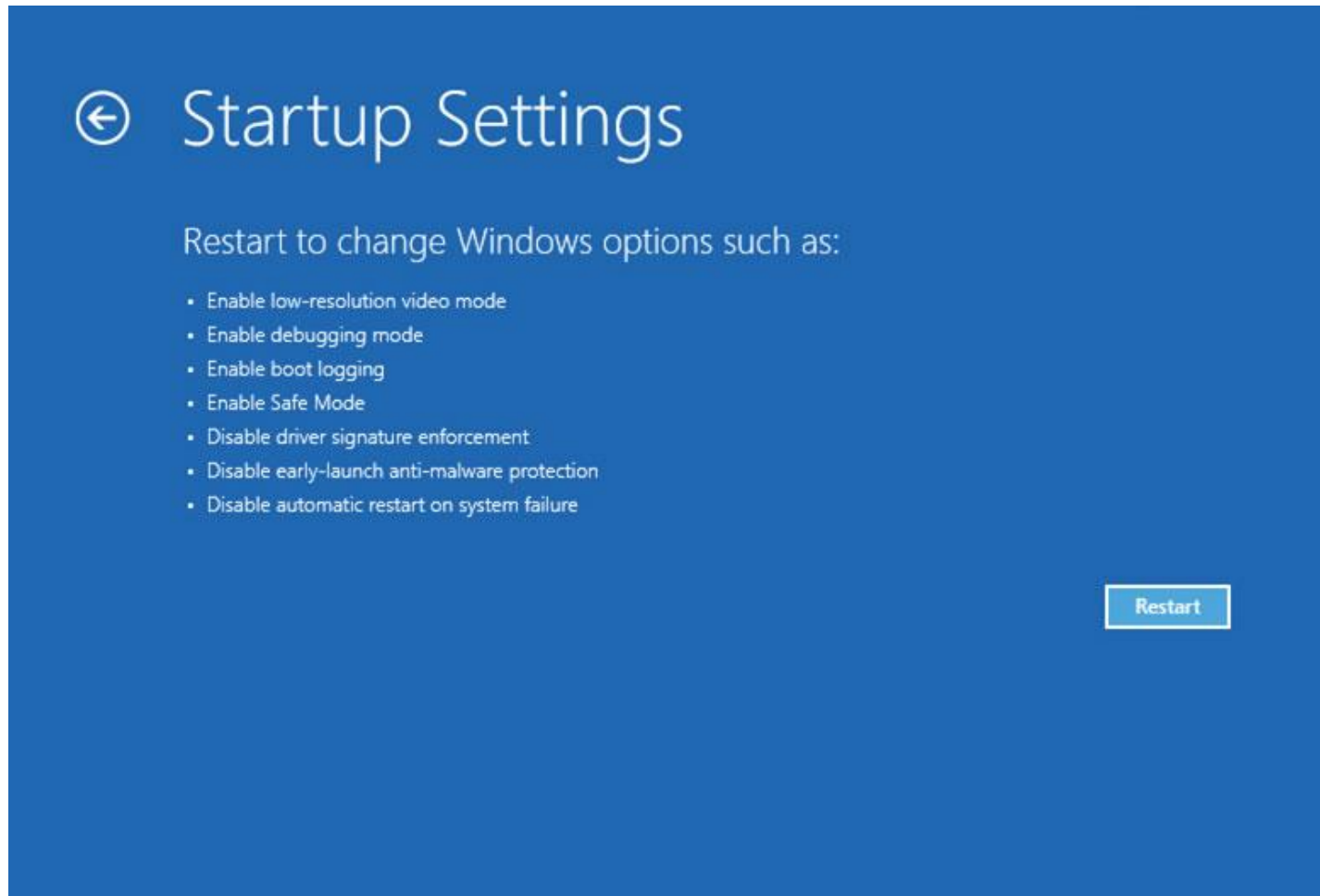
After restart, click Troubleshoot.



Click Advanced options.



There have an option: Disable driver signature enforcement. Click Restart.



Select 7.

Startup Settings

Press a number to choose from the options below:

Use number keys or functions keys F1-F9.

- 1) Enable debugging
- 2) Enable boot logging
- 3) Enable low-resolution video
- 4) Enable Safe Mode
- 5) Enable Safe Mode with Networking
- 6) Enable Safe Mode with Command Prompt
- 7) Disable driver signature enforcement
- 8) Disable early launch anti-malware protection
- 9) Disable automatic restart after failure

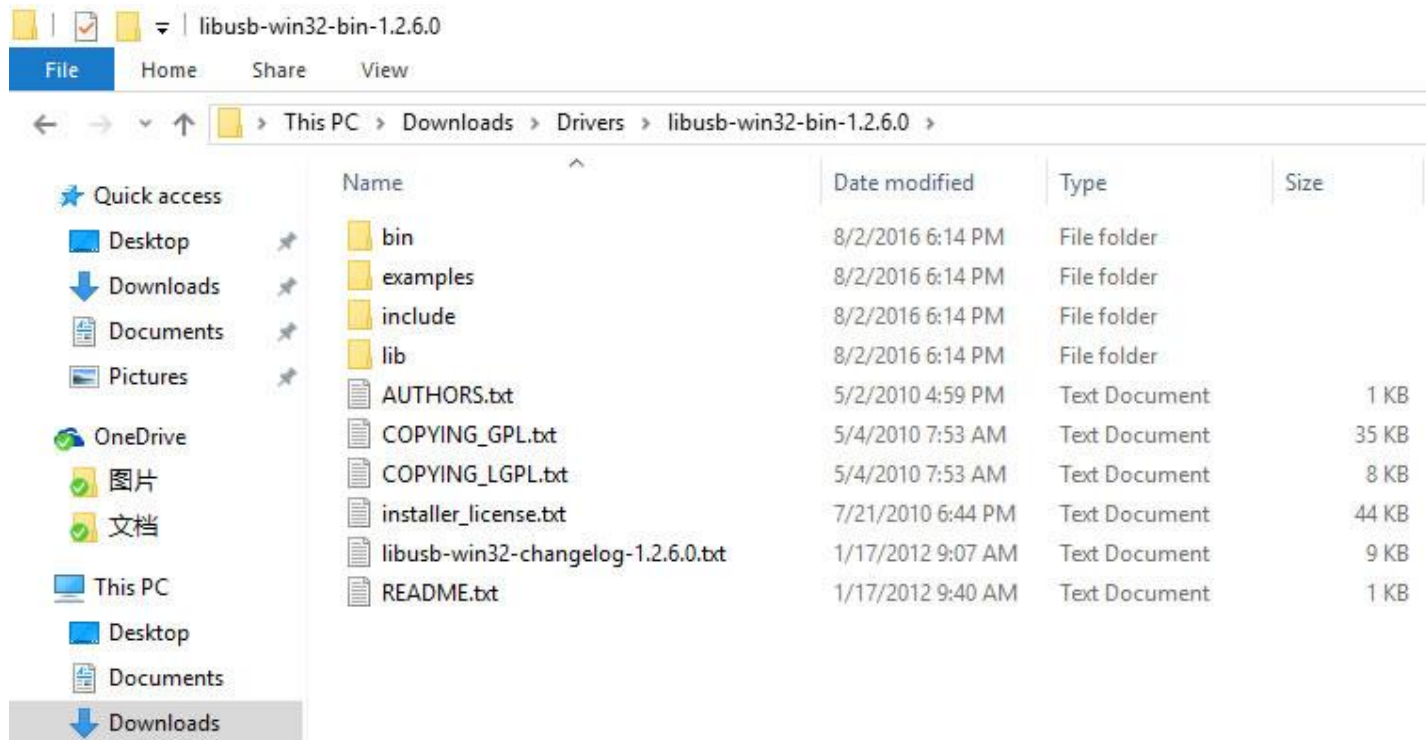
OK, the win10 disable driver signature enforcement in temporary.

Now we can download the libusb in this link:

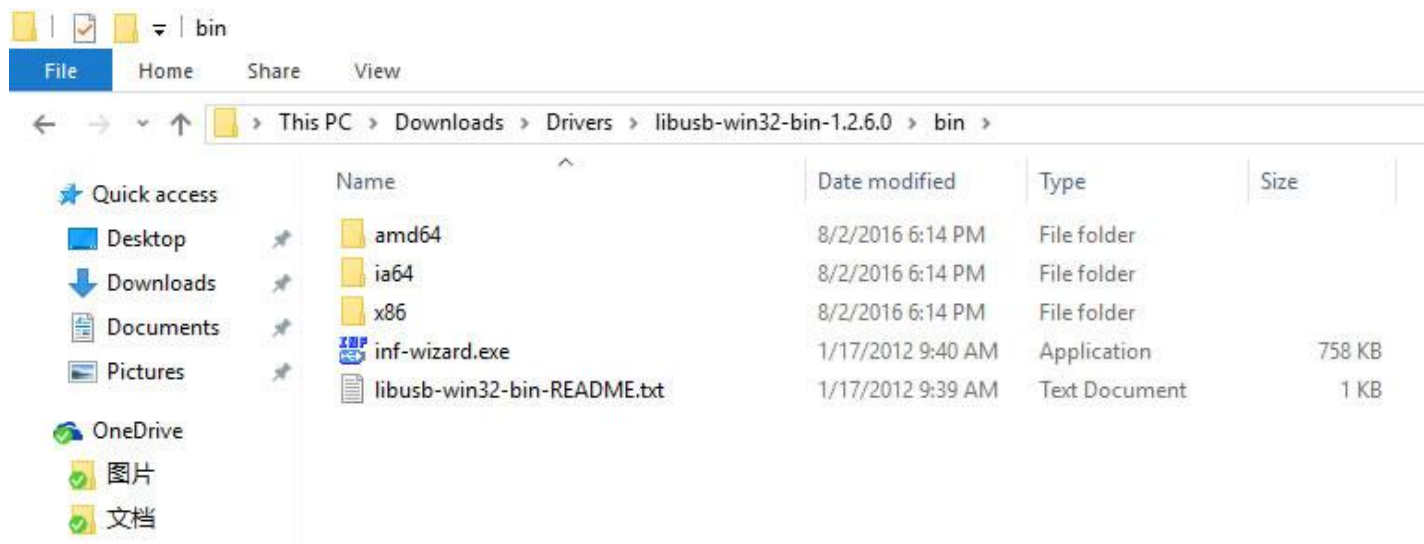
<https://sourceforge.net/projects/libusb-win32/files/libusb-win32-releases/1.2.6.0/>

The filename is libusb-win32-bin-1.2.6.0.zip.

Unzip it, you will see like this:



Into bin directory.



Setting the device to the programming mode and access to your computer. (How setting? Look afterward.) When it plugged, the win10 will install drivers automatically. Wait for the installation complete. Run inf-wizard.exe , according tips to generate drivers.

Information

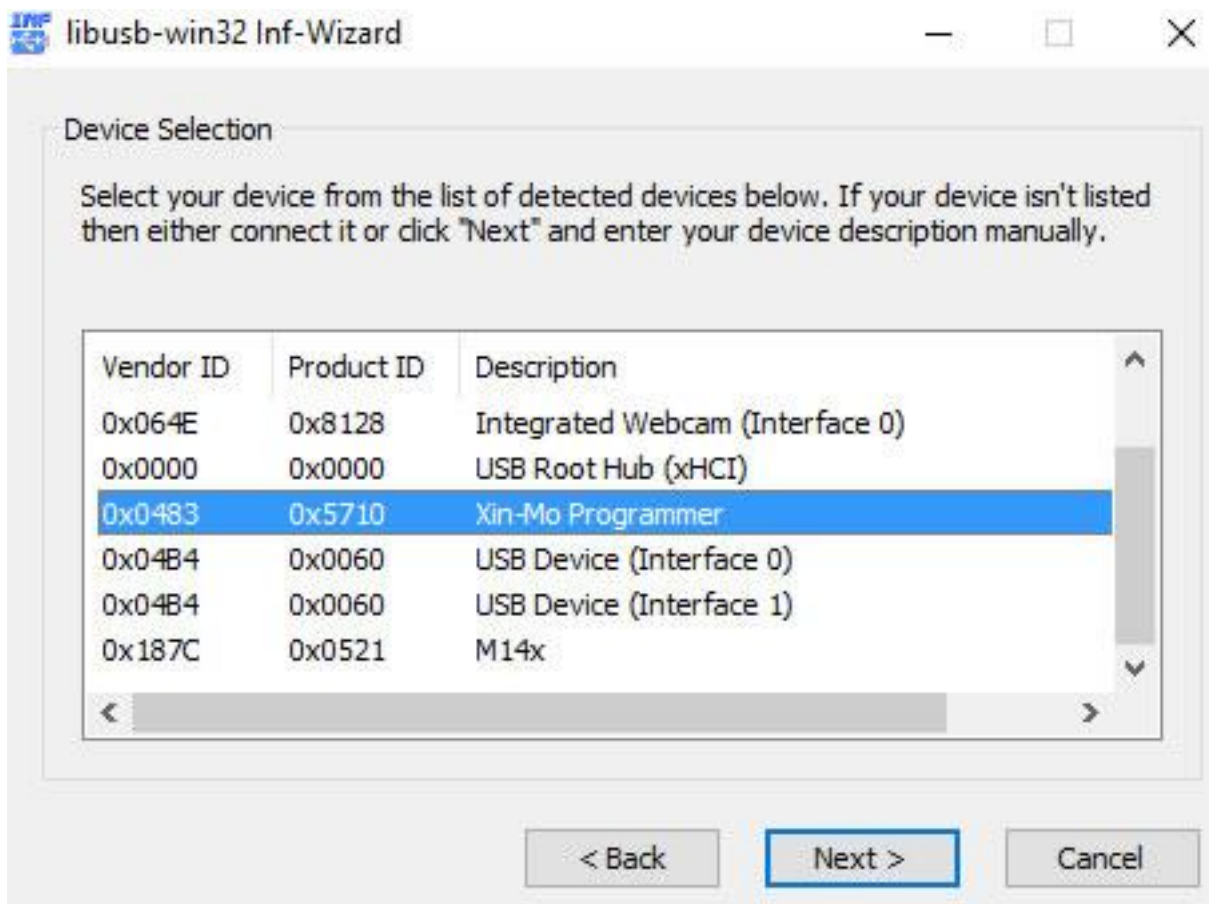
This program will create an .inf file for your device.

Before clicking "Next" make sure that your device is connected to the system.

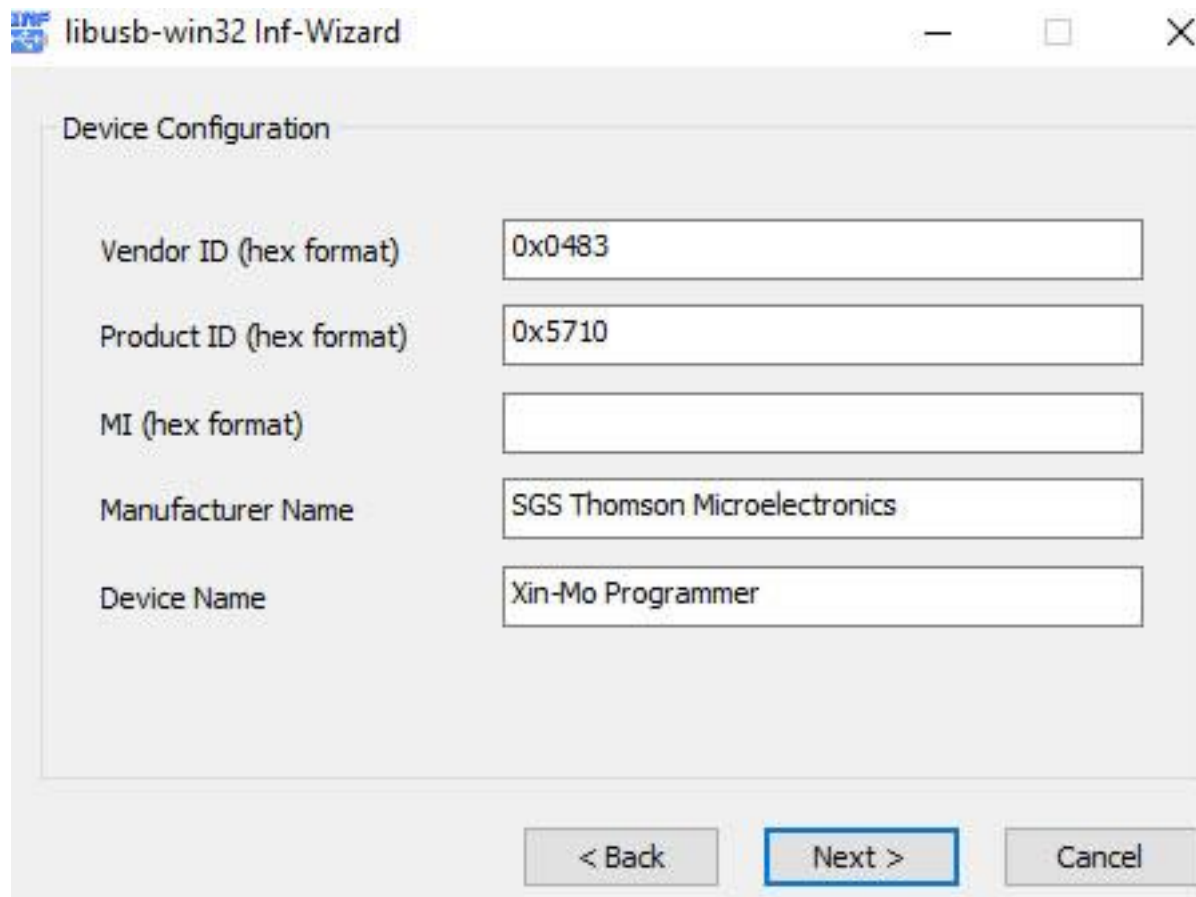
Next >

Cancel

In this step, select Xin-Mo Programmer and remember the Vendor ID & Product ID on a paper. Next.



Next, again.

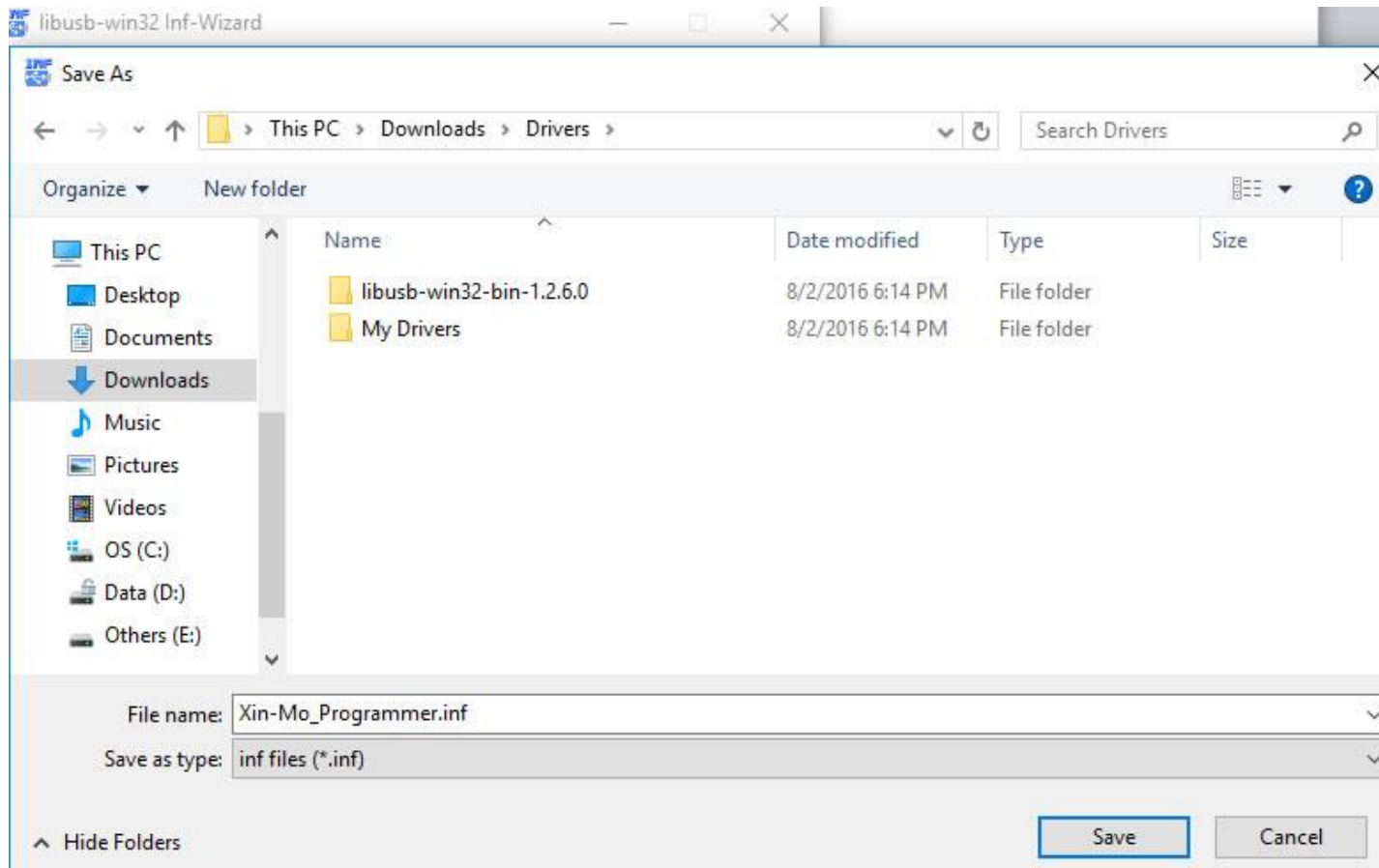


The image shows a Windows dialog box titled "libusb-win32 Inf-Wizard". The dialog has a standard Windows title bar with minimize, maximize, and close buttons. The main content area is titled "Device Configuration" and contains five rows of labels and text input fields:

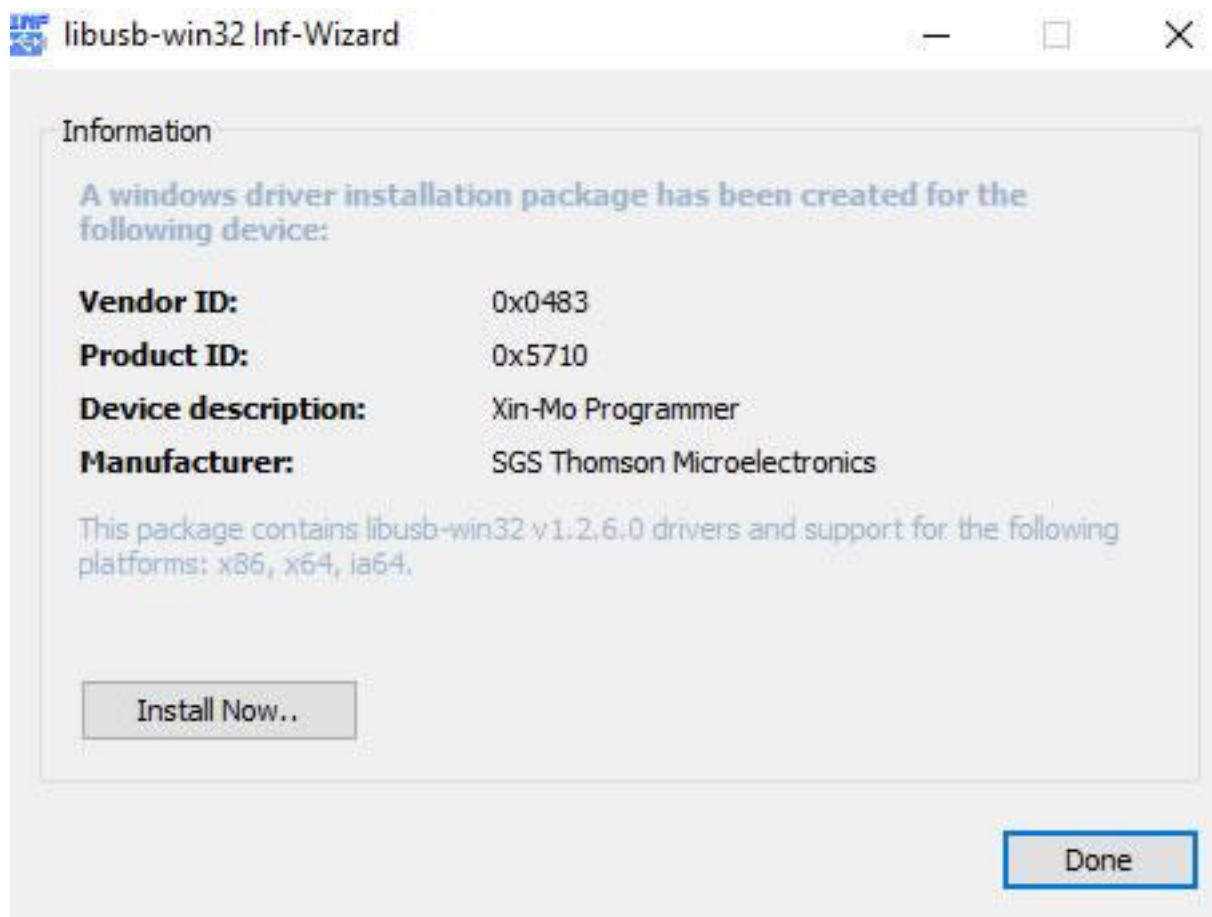
- Vendor ID (hex format): 0x0483
- Product ID (hex format): 0x5710
- MI (hex format): (empty field)
- Manufacturer Name: SGS Thomson Microelectronics
- Device Name: Xin-Mo Programmer

At the bottom of the dialog, there are three buttons: "< Back", "Next >" (which is highlighted with a blue border), and "Cancel".

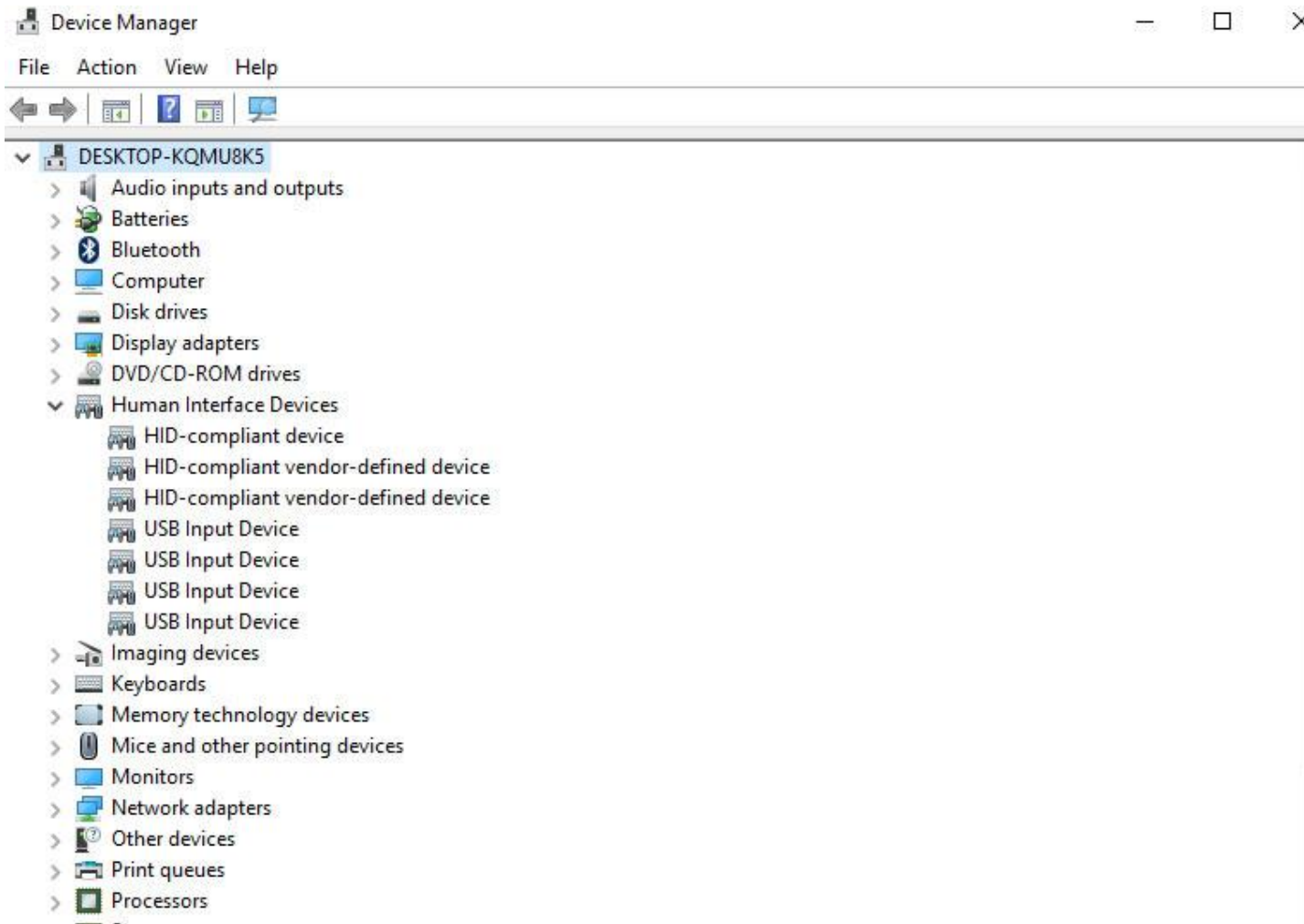
Select the directory you want to save.



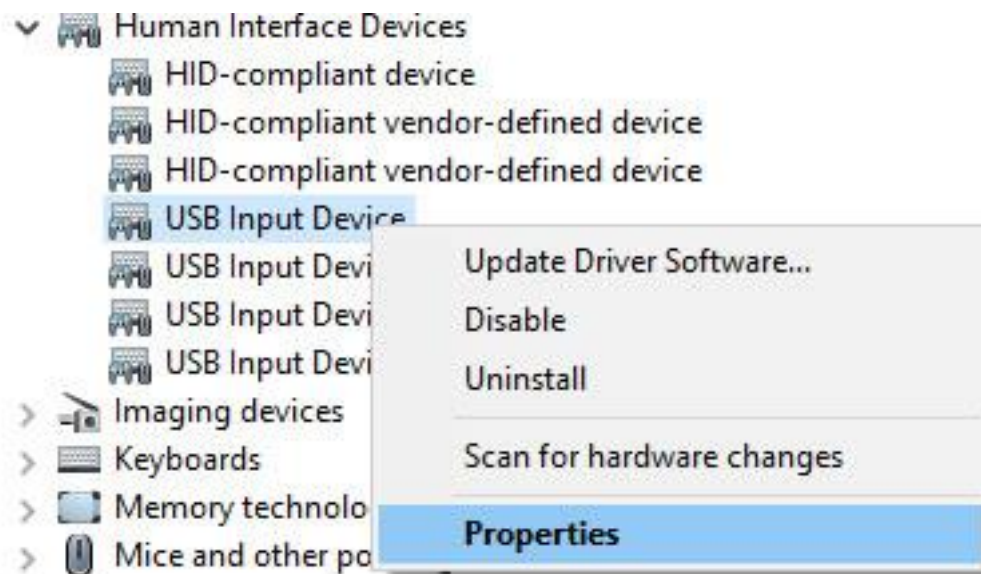
Click 'Done' . Do not click 'Install Now' . Do not click 'Install Now' . Do not click 'Install Now' .



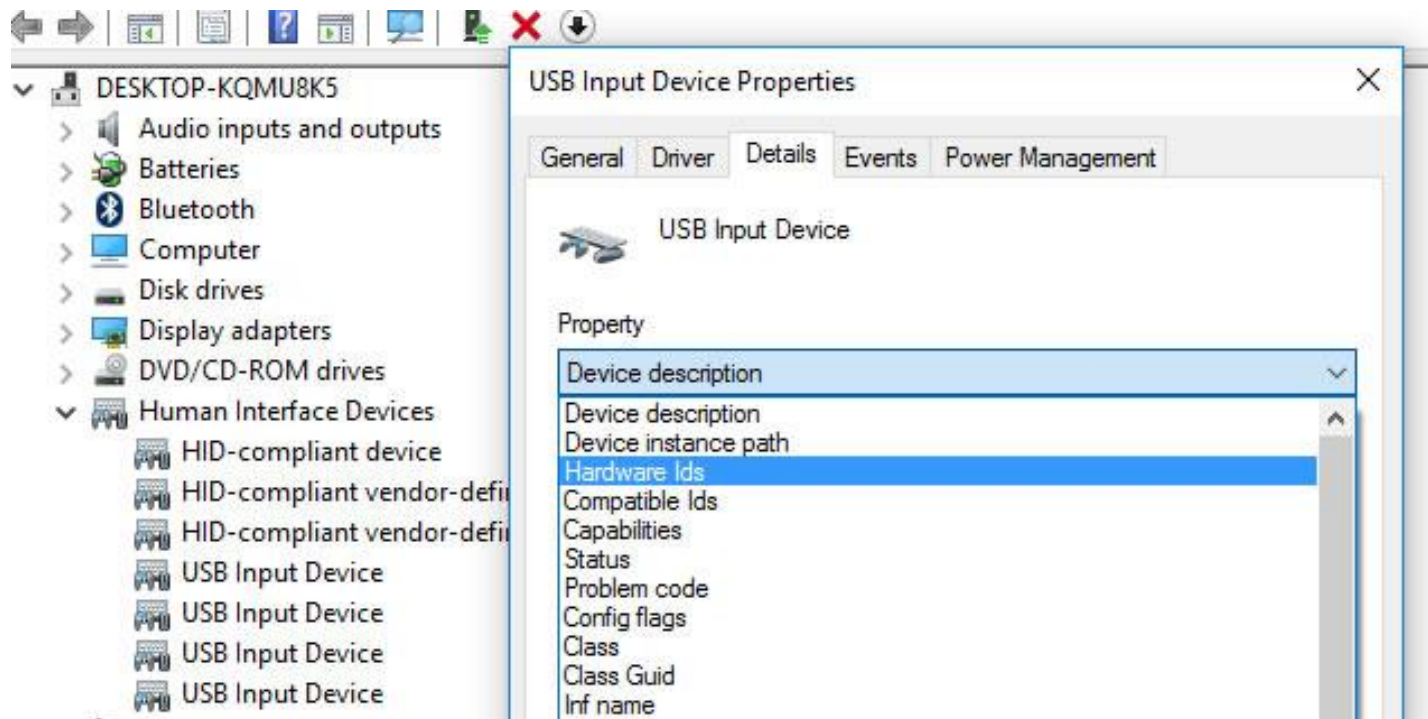
Open your device manager and looking for the human interface devices.



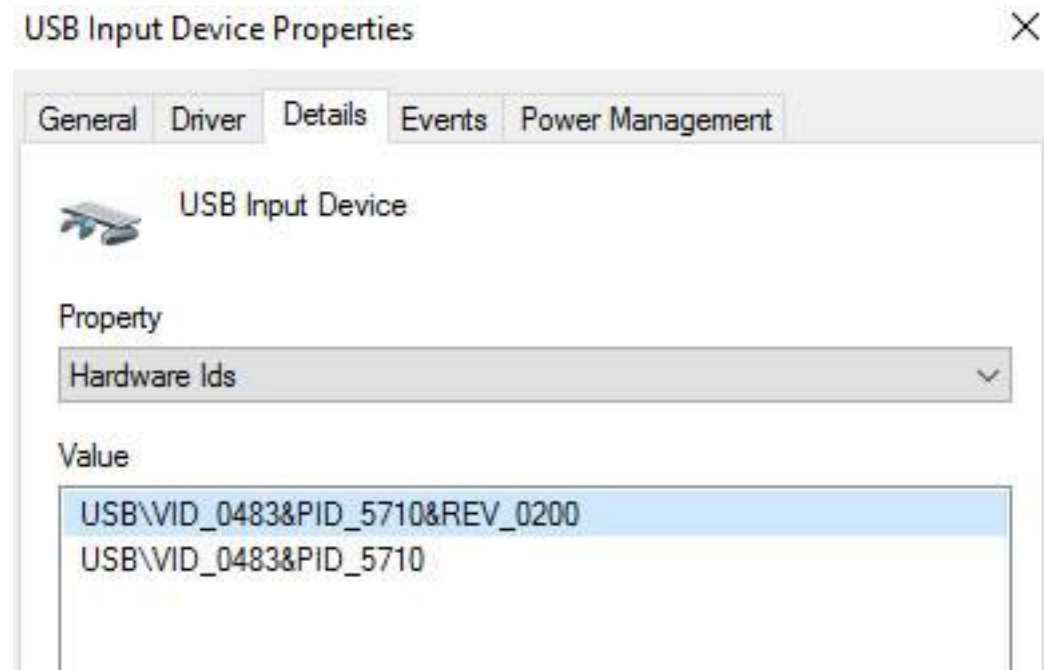
Yes, there are several USB Input Devices. Ignore HID-compliant devices. Starting from the first, right-click menu, select Properties.



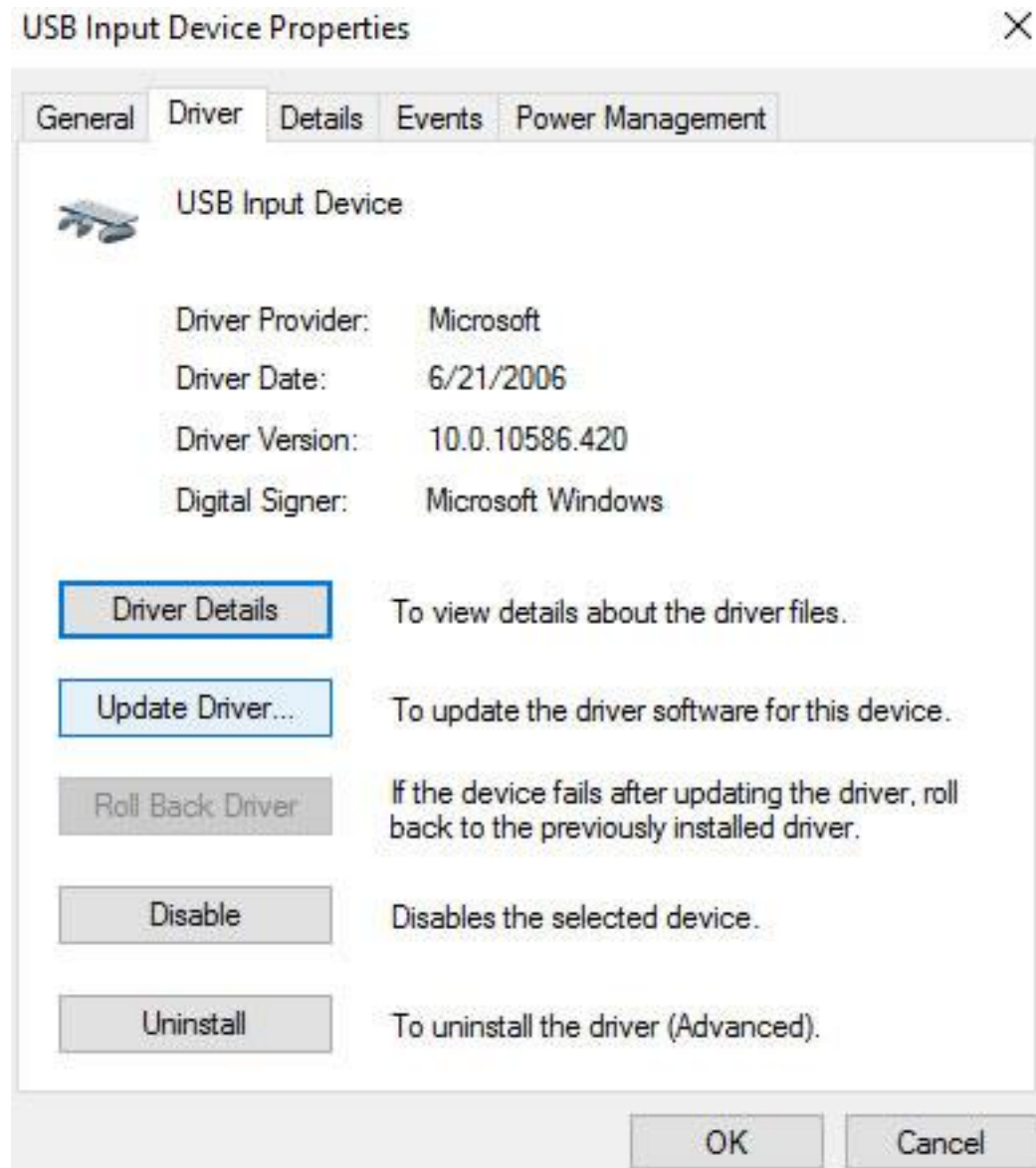
Select Details label, select 'Hardware Ids' .




According to the VID&PID you wrote on paper ensure this is what we are looking for.



Click Driver label and click 'Update Driver' .



Choose "Browse my computer for driver software" .

←  Update Driver Software - USB Input Device

How do you want to search for driver software?

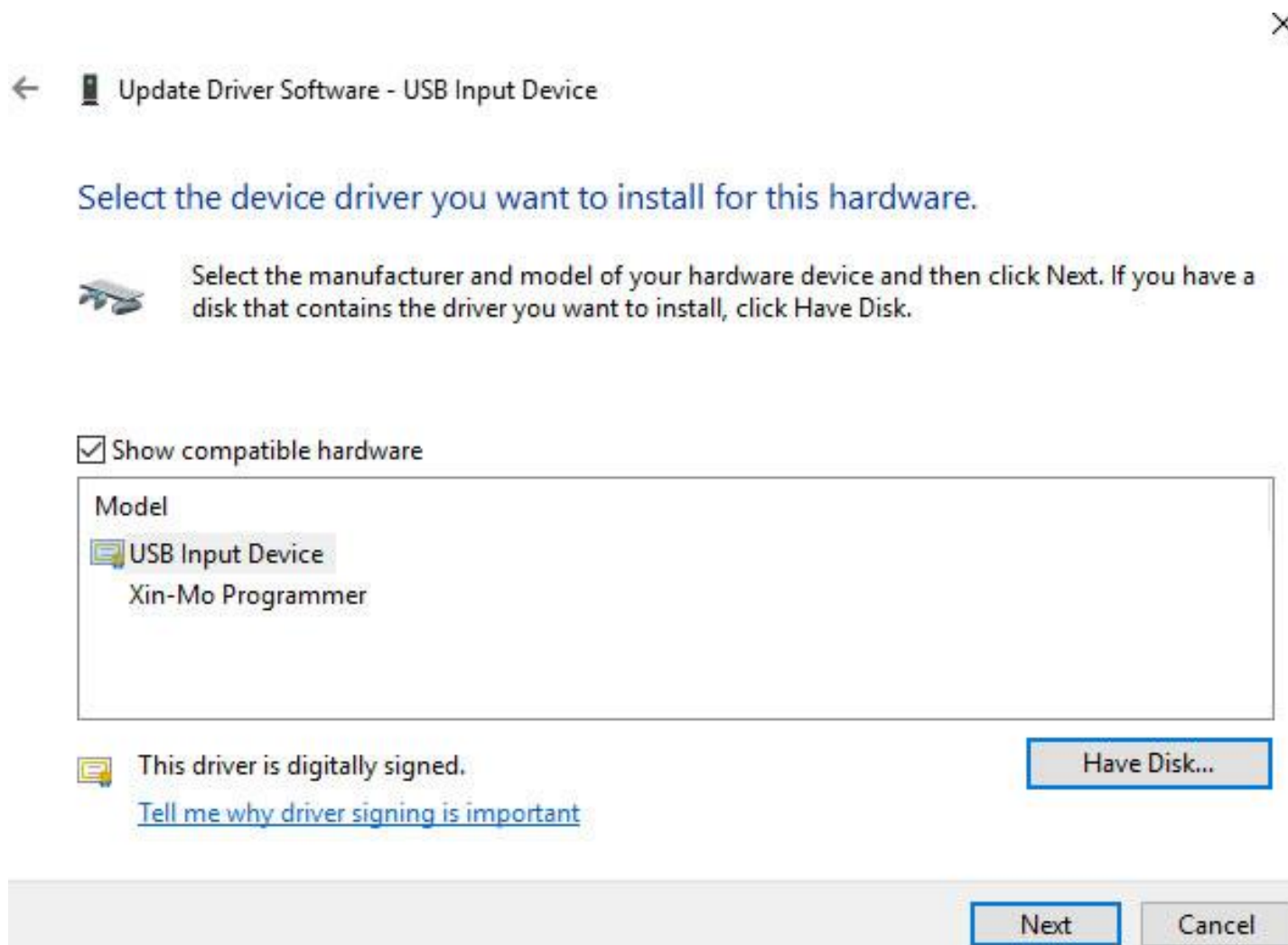
→ Search automatically for updated driver software
Windows will search your computer and the Internet for the latest driver software for your device, unless you've disabled this feature in your device installation settings.

→ Browse my computer for driver software
Locate and install driver software manually.

Choose "Let me pick from a list of device drivers on my computer" .



Click "Have Disk" and locate to your driver files directory.



← Update Driver Software - USB Input Device

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

Install From Disk

Locate File

Look in: My Drivers

Name	Date modified	Type
amd64	6/30/2016 3:41 AM	File folder
ia64	6/30/2016 3:41 AM	File folder
license	6/30/2016 3:41 AM	File folder
x86	6/30/2016 3:41 AM	File folder
Xin-Mo_Programmer.inf	6/30/2016 3:41 AM	Setup Inf

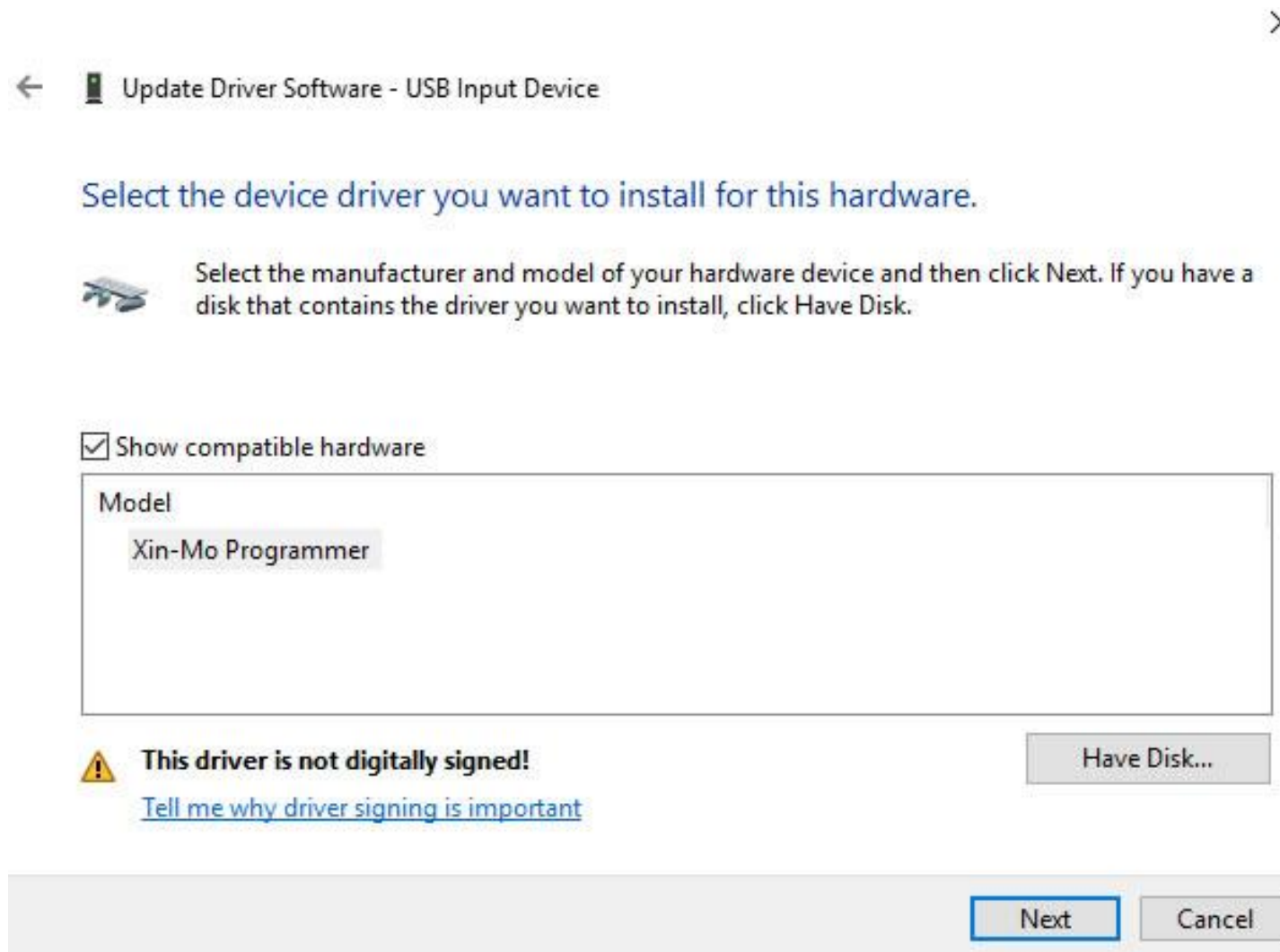
File name: Xin-Mo_Programmer.inf

Files of type: Setup Information (*.inf)

Open Cancel

Model
USB In
Xin-Mo
This dr
Tell me
odel
USB Input Dev
Xin-Mo Progr


Ignore "This driver is not digitally signed!" warning and click next.



The screenshot shows a Windows Device Manager window titled "Update Driver Software - USB Input Device". The window has a close button (X) in the top right corner. Below the title bar, there is a back arrow and the text "Update Driver Software - USB Input Device". The main instruction reads: "Select the device driver you want to install for this hardware." Below this, there is a small icon of a USB device and the text: "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." There is a checked checkbox labeled "Show compatible hardware". Below this is a list box with the label "Model" and one entry: "Xin-Mo Programmer". At the bottom left, there is a yellow warning triangle icon followed by the text "This driver is not digitally signed!" and a blue hyperlink "Tell me why driver signing is important". To the right of this warning is a "Have Disk..." button. At the bottom right of the window, there are two buttons: "Next" (highlighted with a blue border) and "Cancel".

Done!



←  Update Driver Software - Xin-Mo Programmer

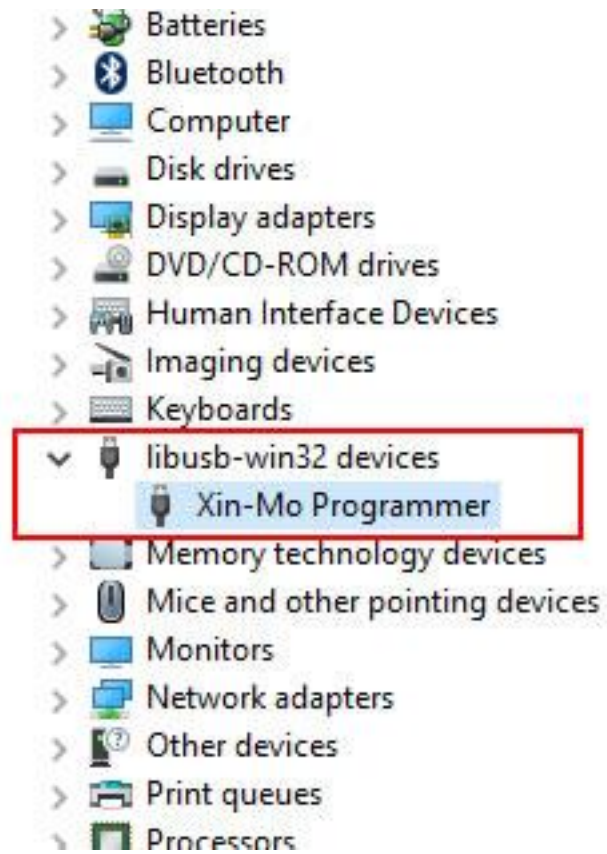
Windows has successfully updated your driver software

Windows has finished installing the driver software for this device:



Xin-Mo Programmer

Close



The driver installed successfully.