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:

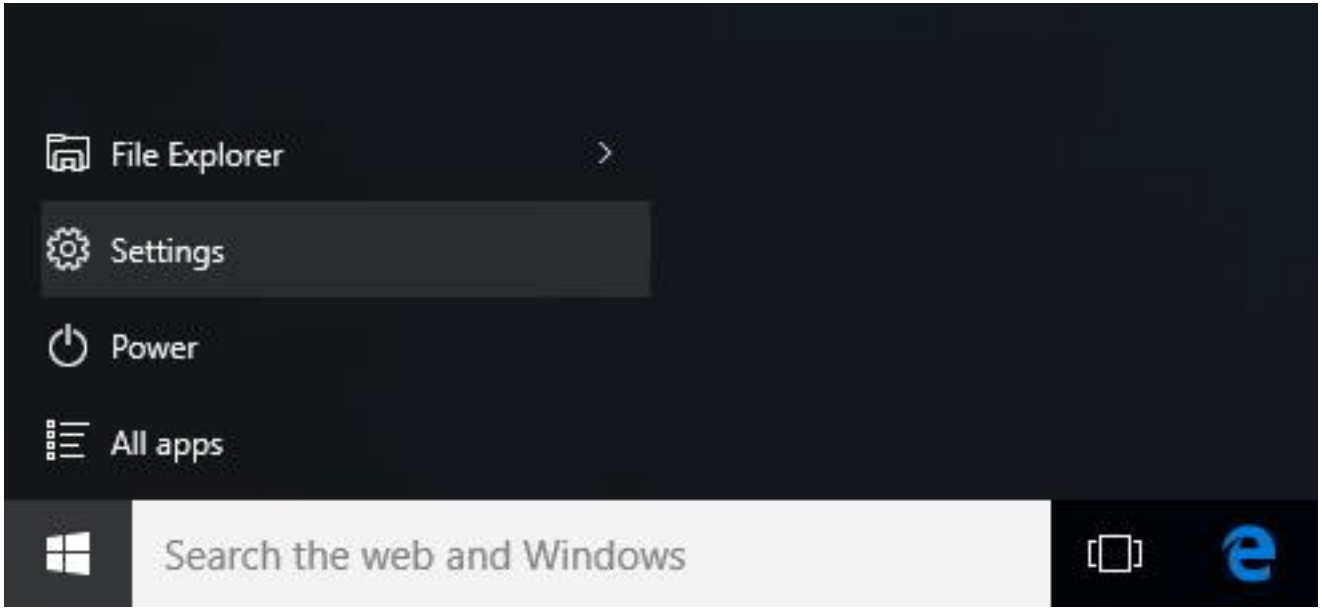
https://www.python.org/

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

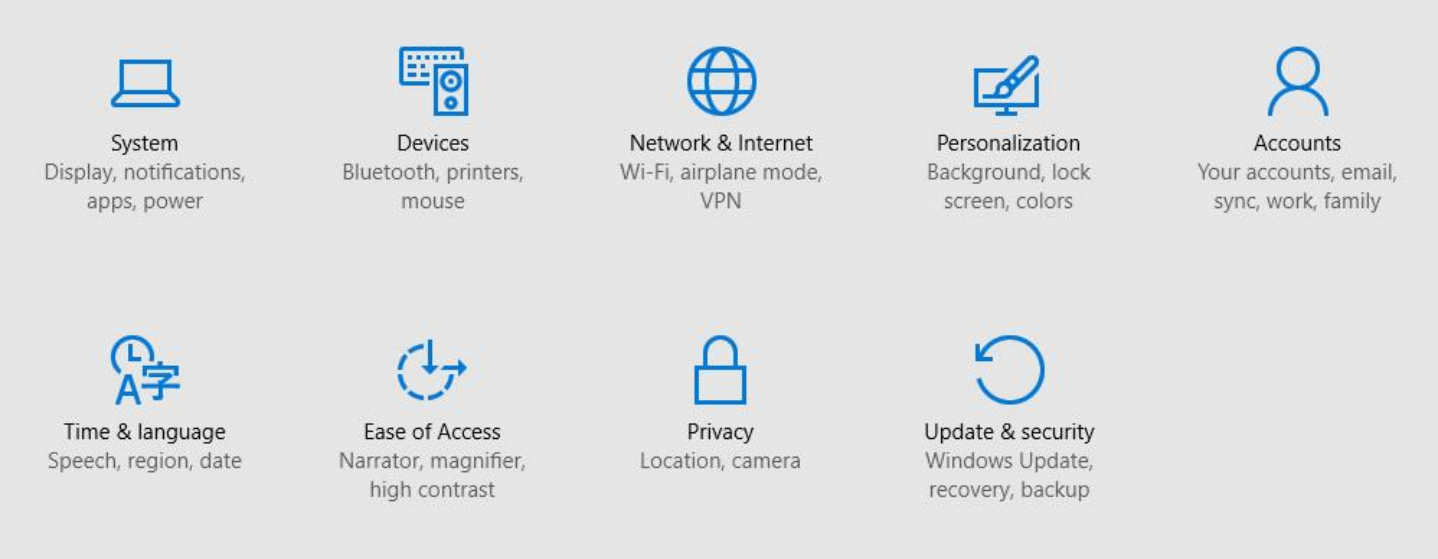
PyUSB needs libusb. Here I only talk about how to install libusb in windows series platform. About Linux, Mac, Raspberry Pi or other system, you can google it.

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.

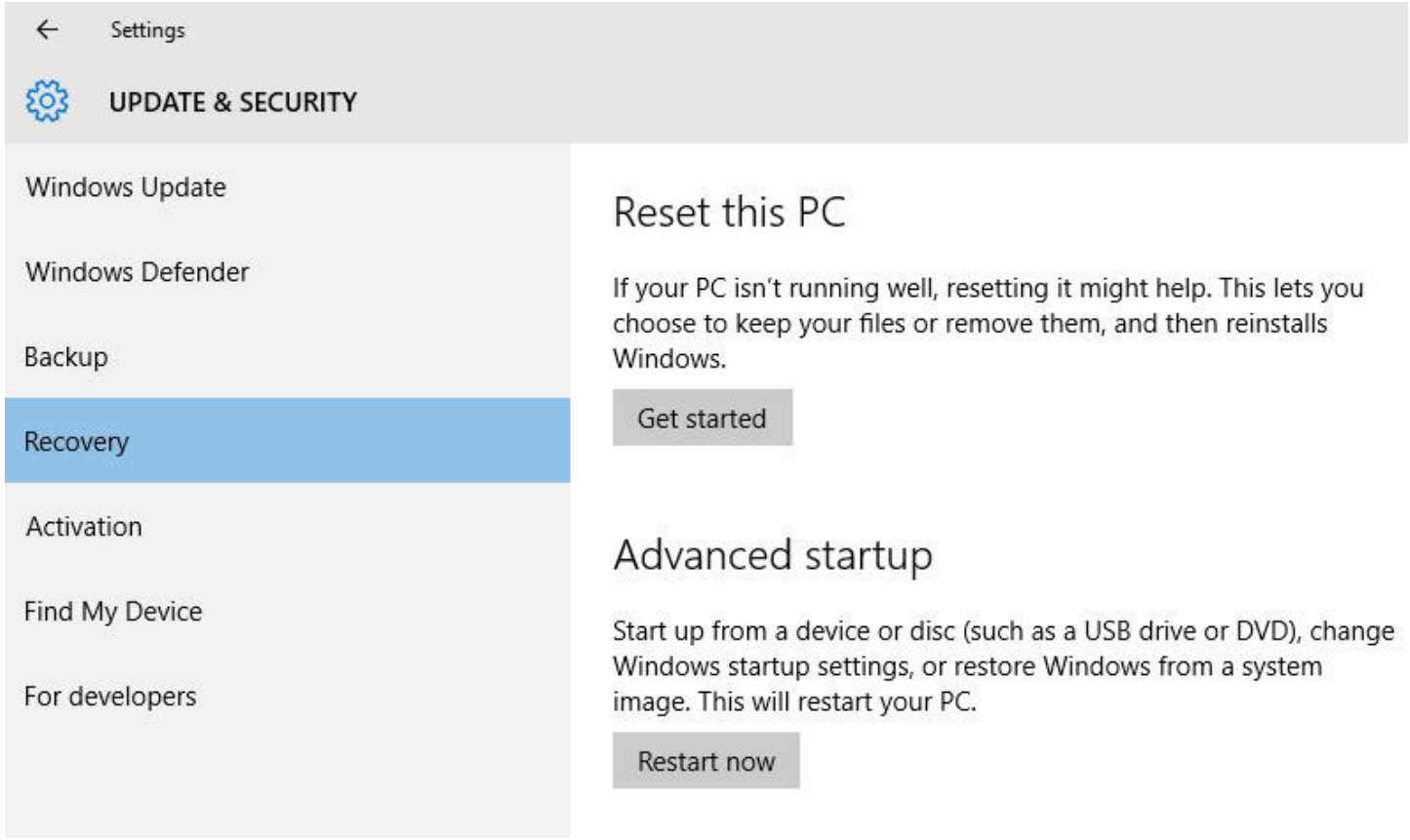
Click windows start icon and click settings,



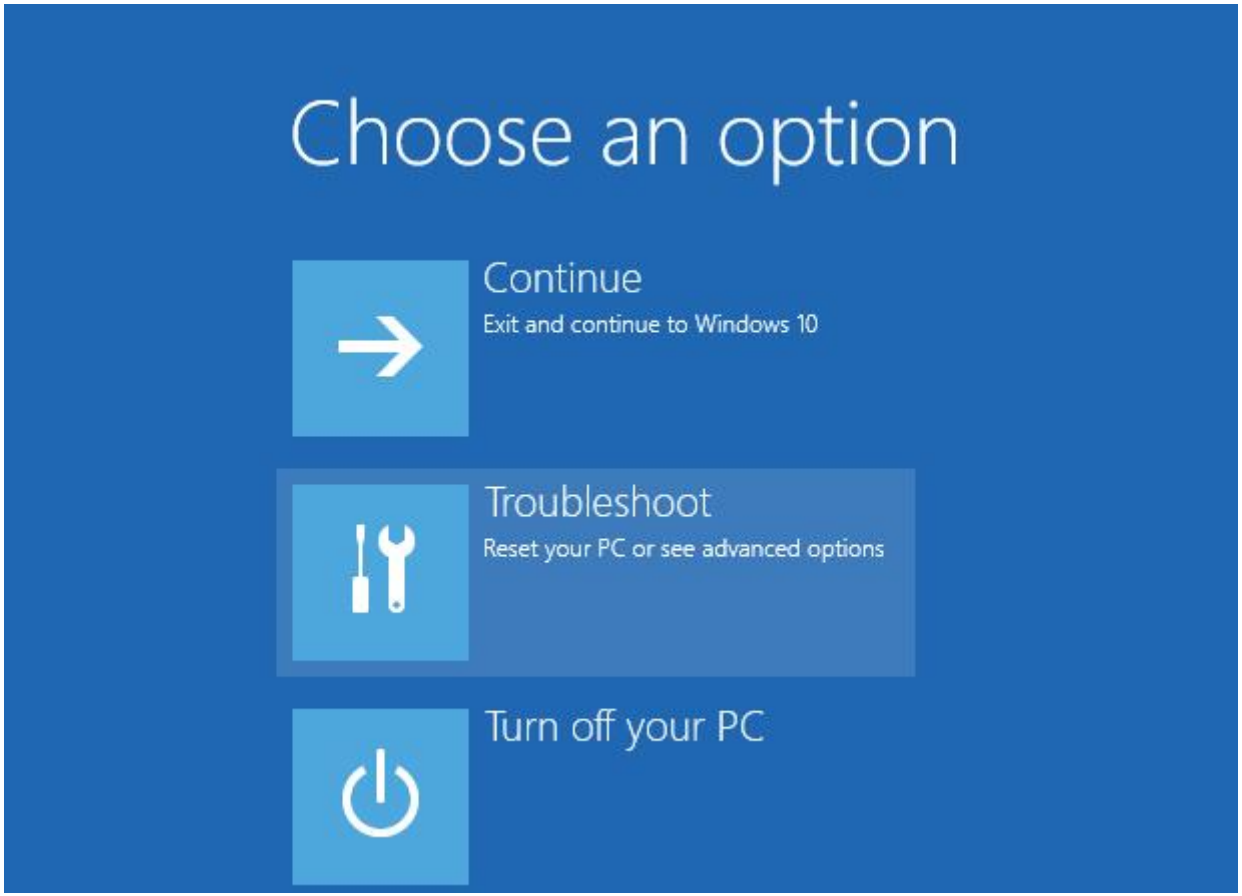
In settings menu, click Update & security,



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

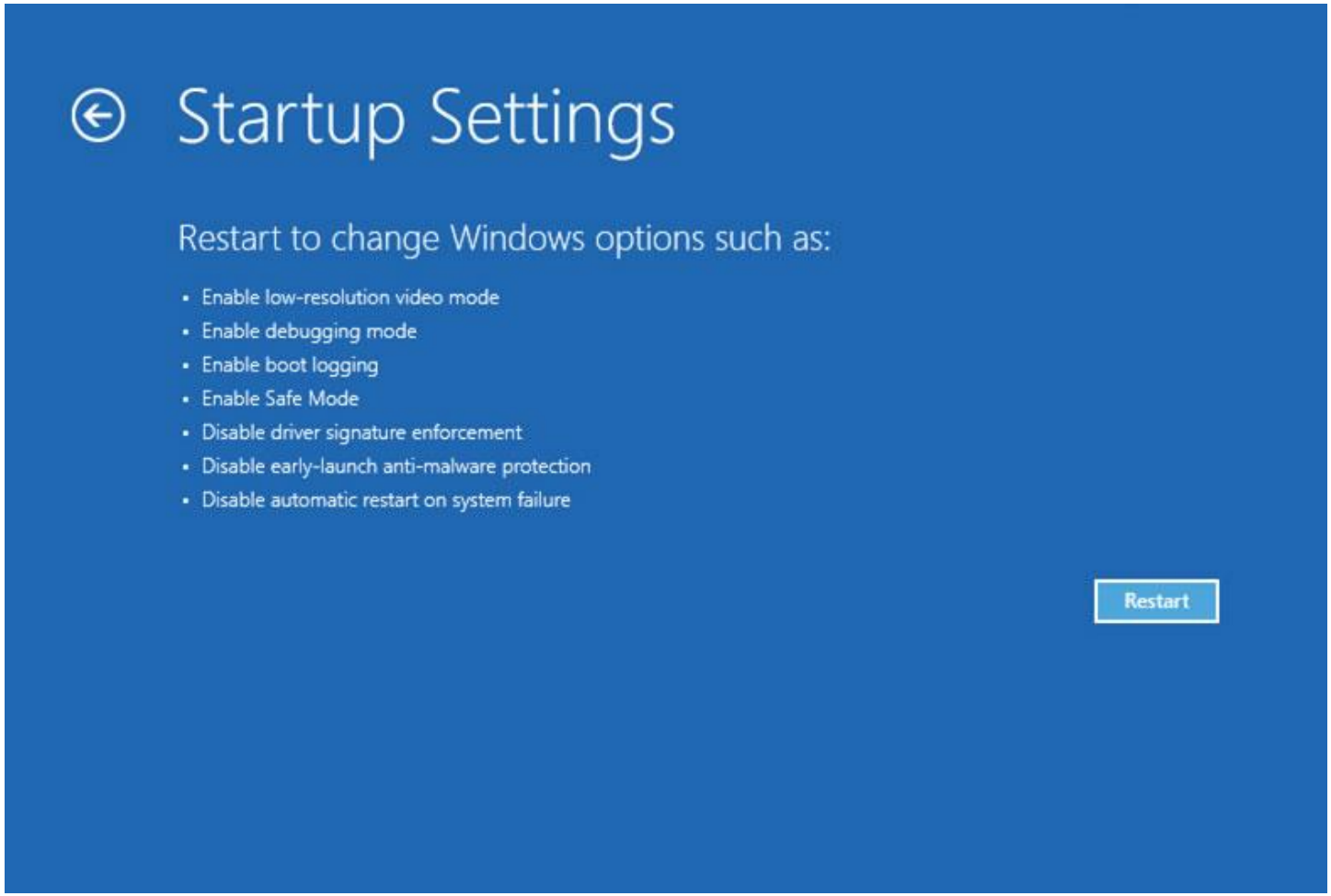


After restart, click Troubleshoot.

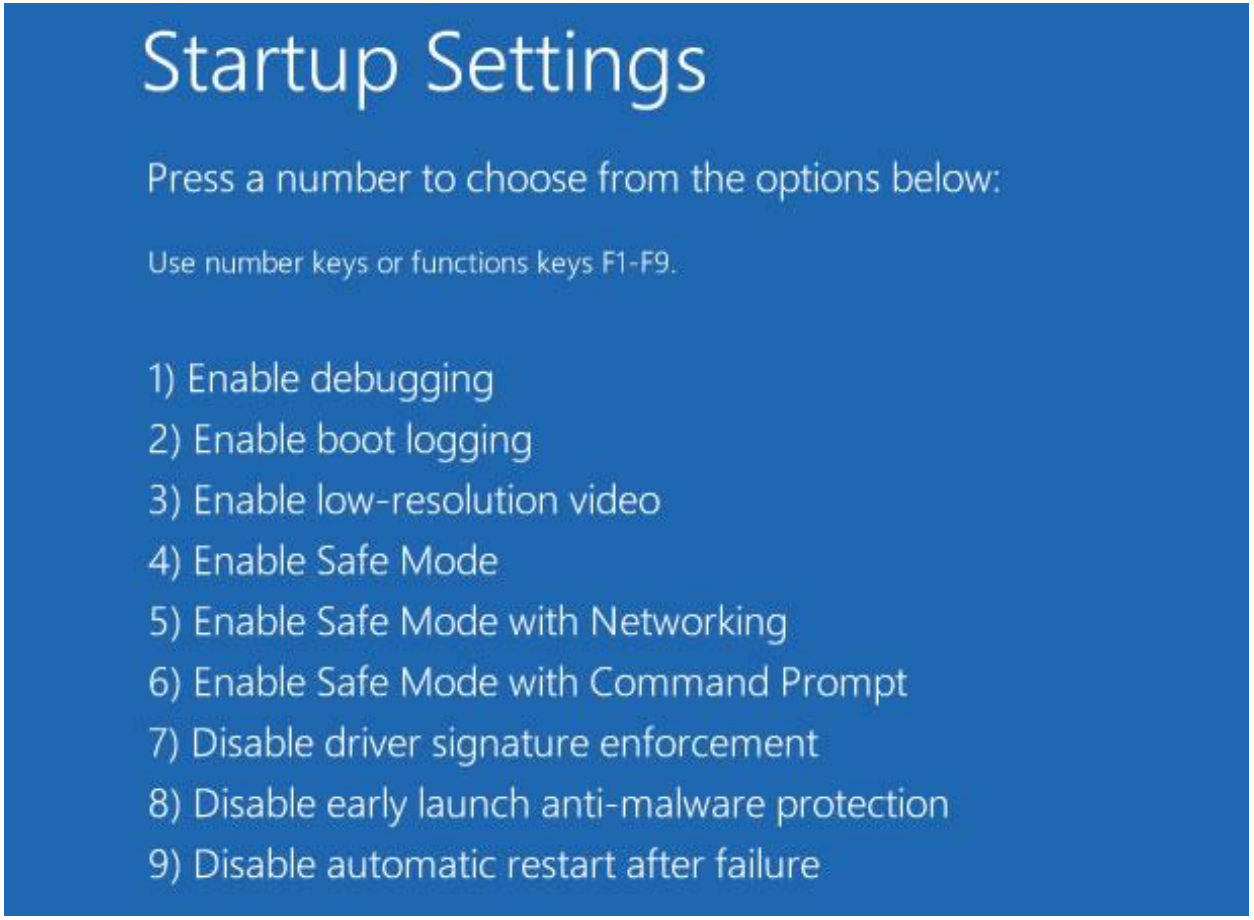


Click Advanced options.

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



Select 7.



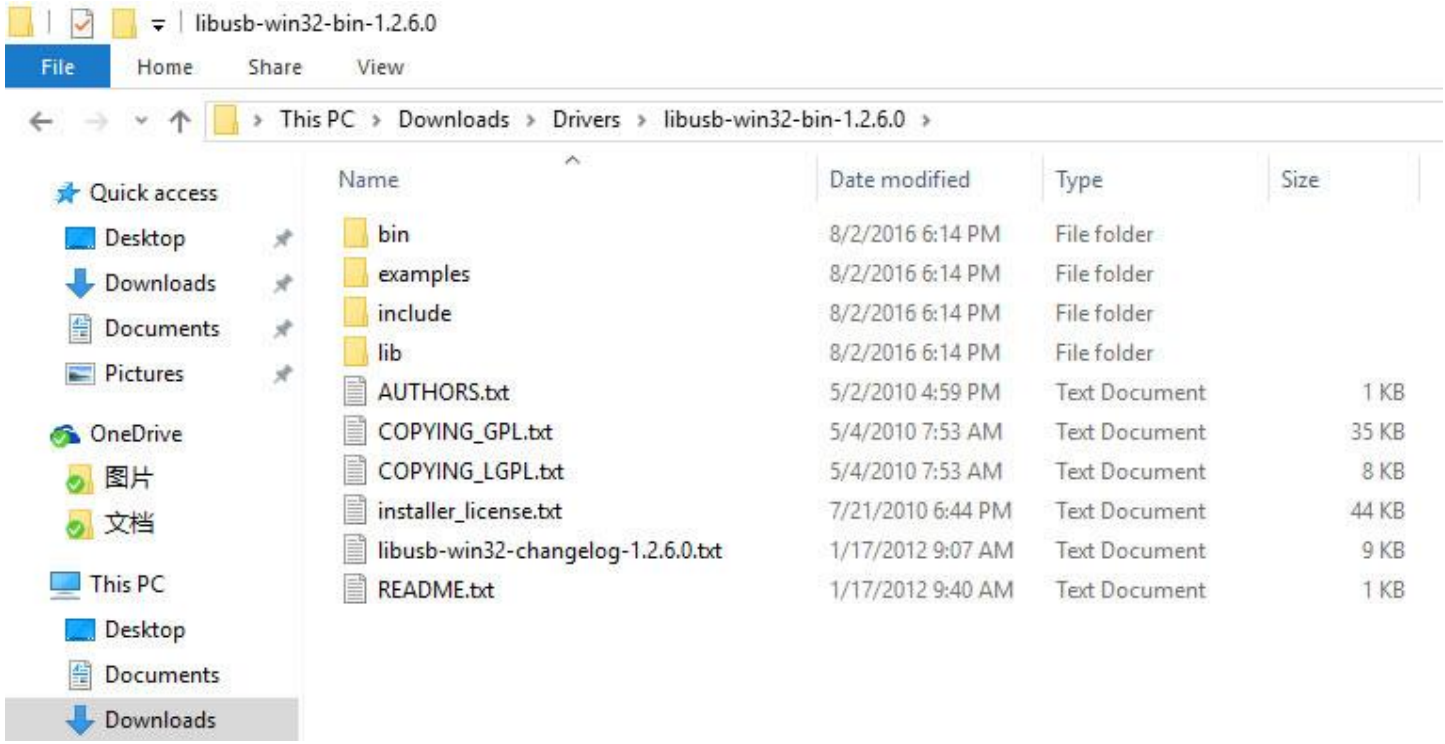
OK, the win10 disable driver signature enforcement in temporary.

Now we can download the libusb in this link:

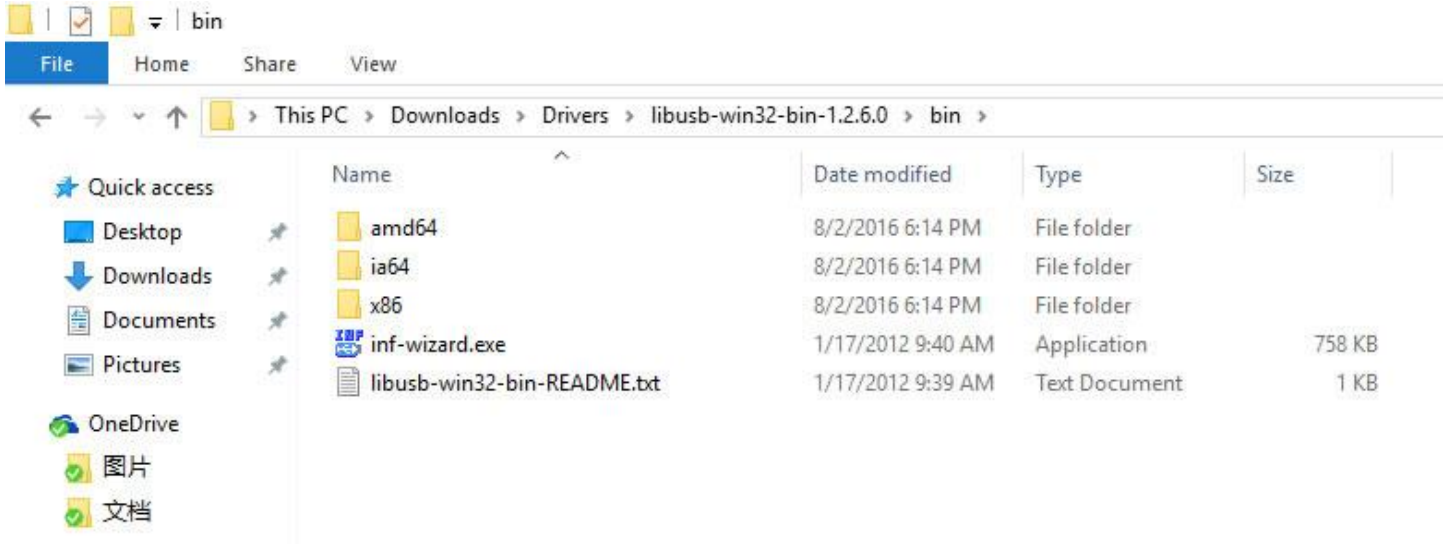
https://sourceforge.net/projects/libusb-win32/files/libusb-win32-releases/1.2.6.0/

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

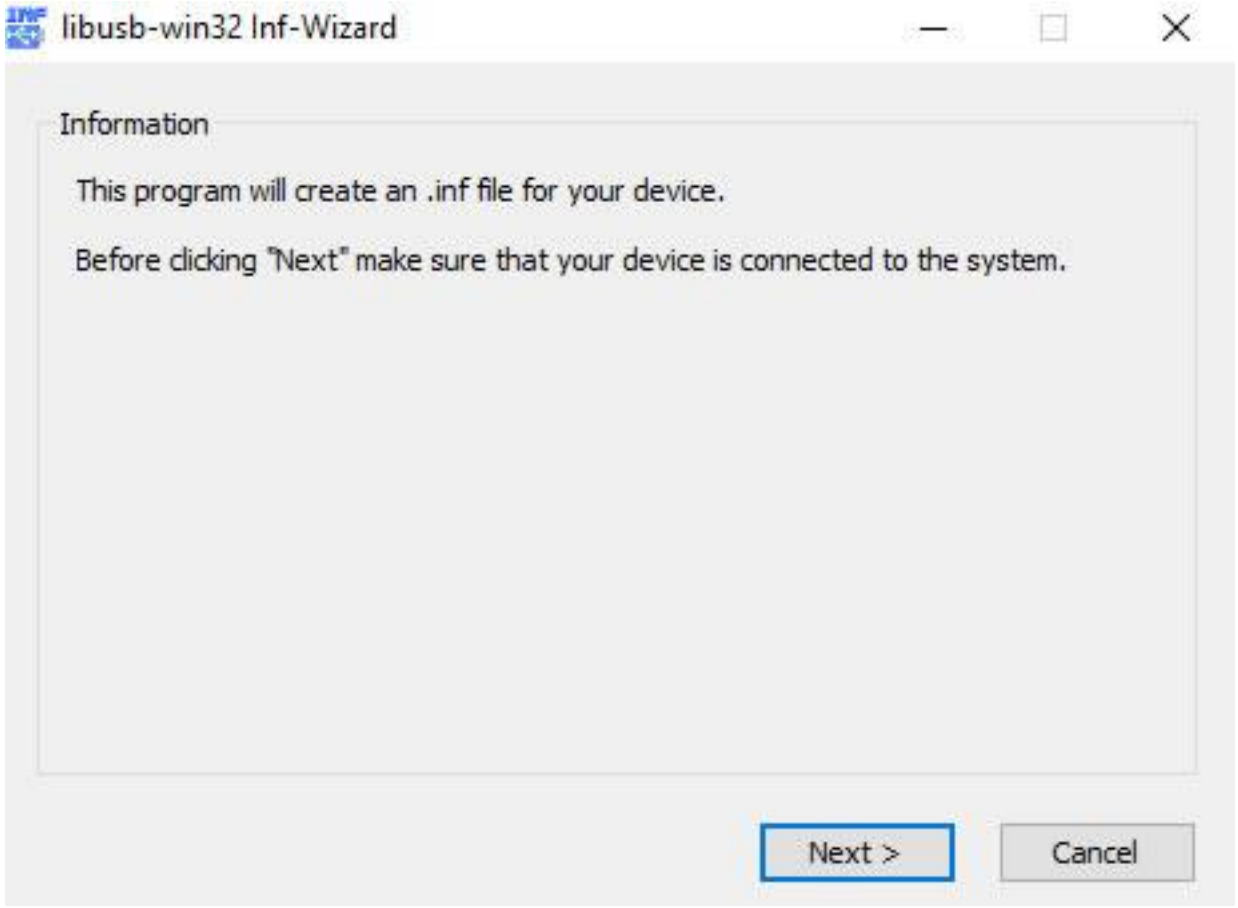
Unzip it, you will see like this:



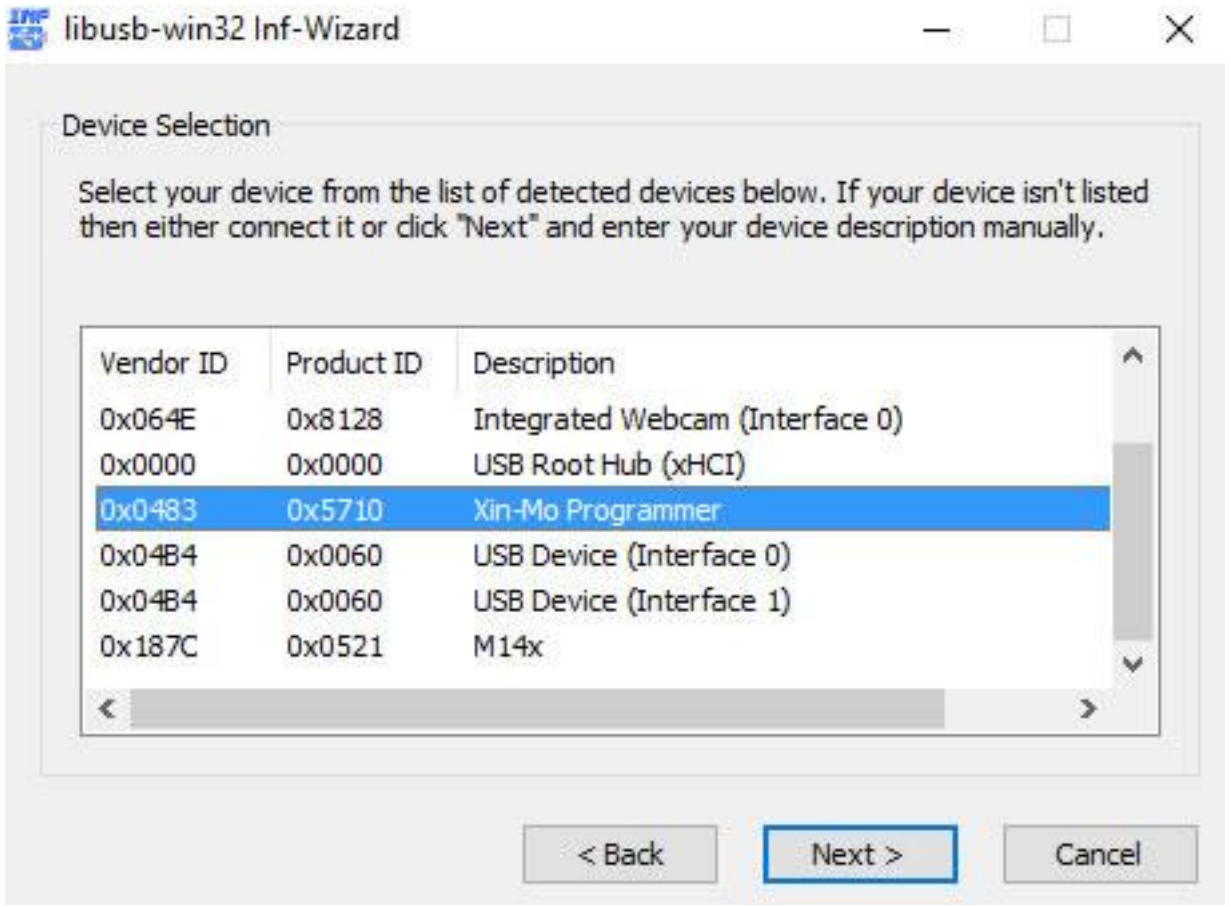
Into bin directory.



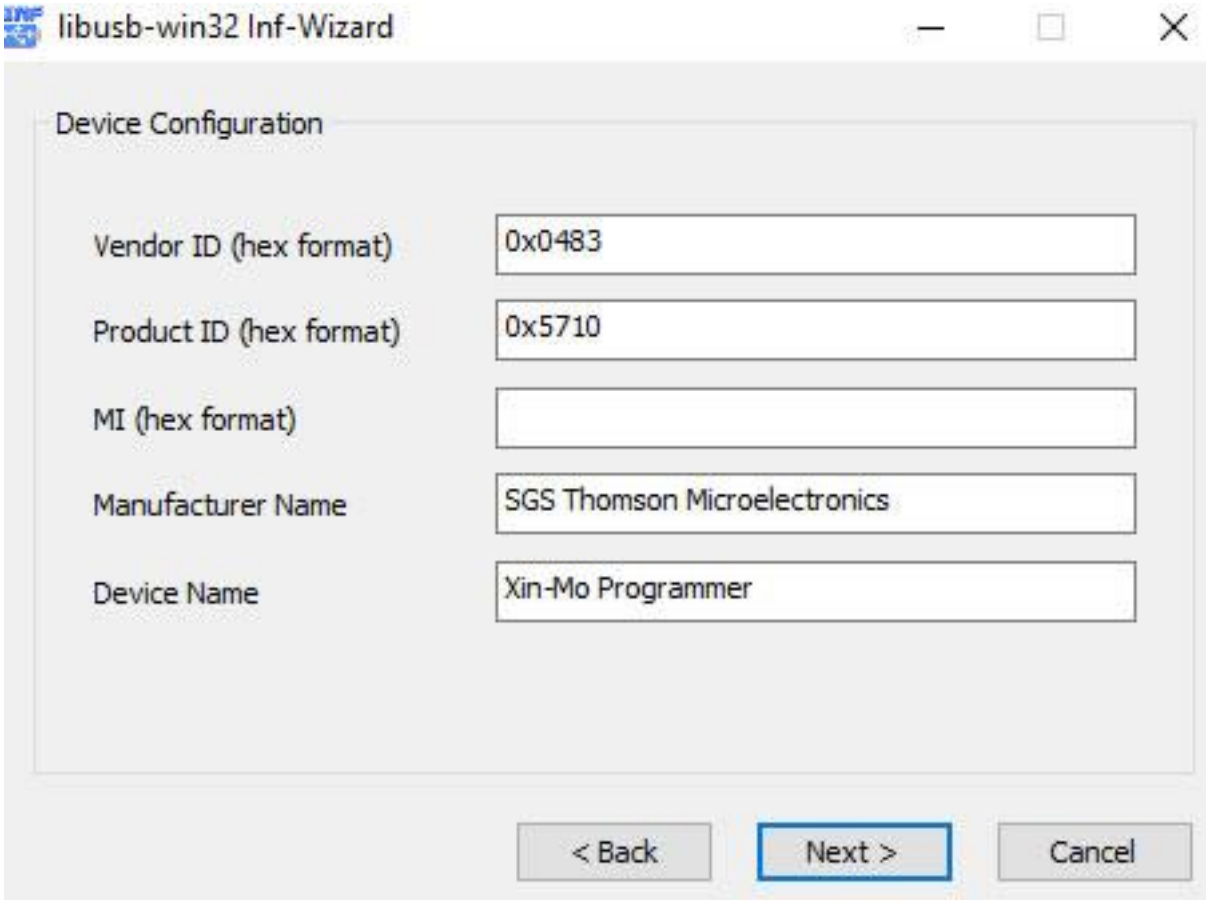
Setting the device to the programming mode and access to your computer. (How setting? Look afterward.) When it plugged, the win10 will install drivers automatically. Wait for the installation complete. Run inf-wizard.exe , according tips to generate drivers.


libusb-win32 Inf-Wizard
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

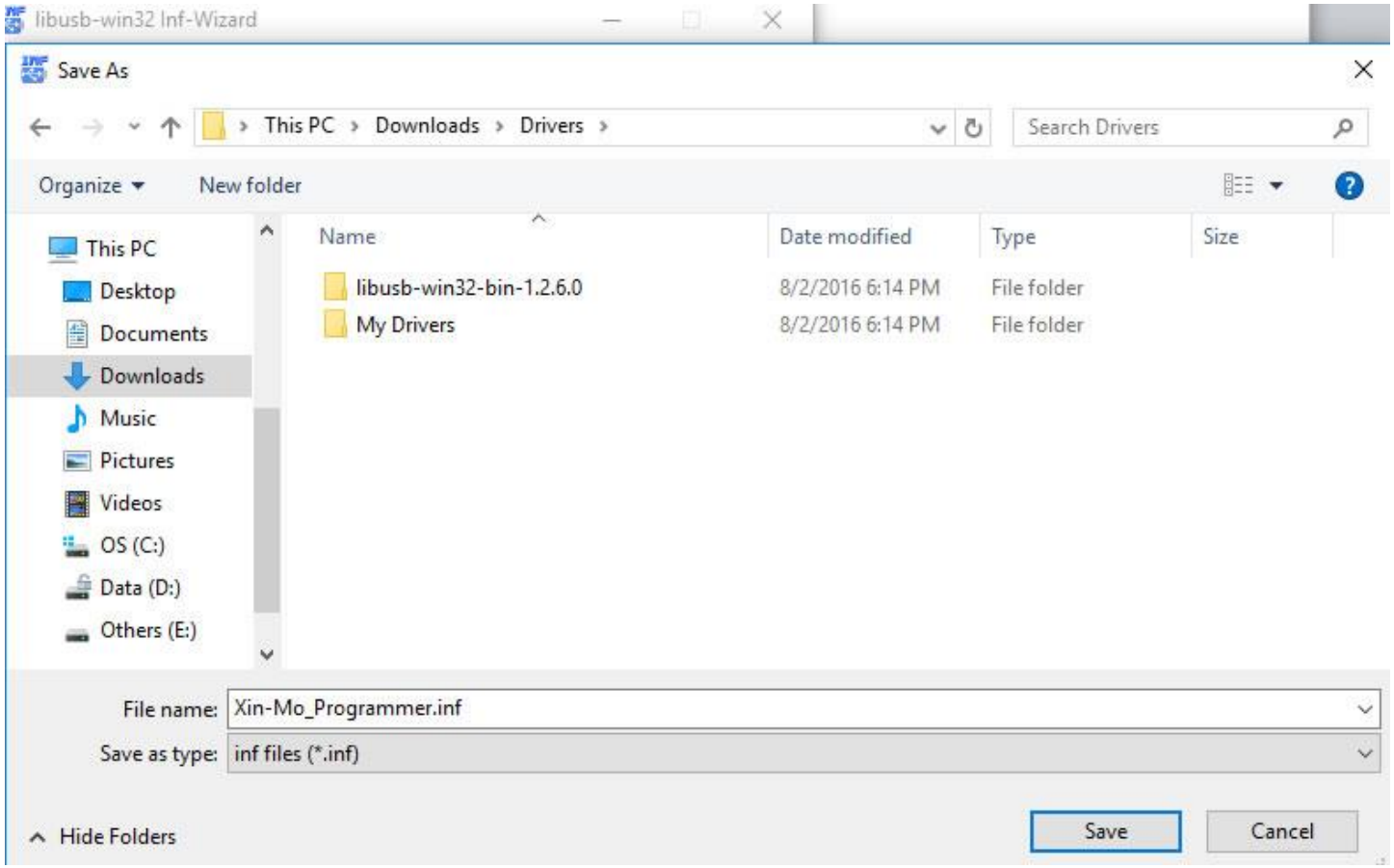
In this step, select Xin-Mo Programmer and remember the Vendor ID & Product ID on a paper. Next.



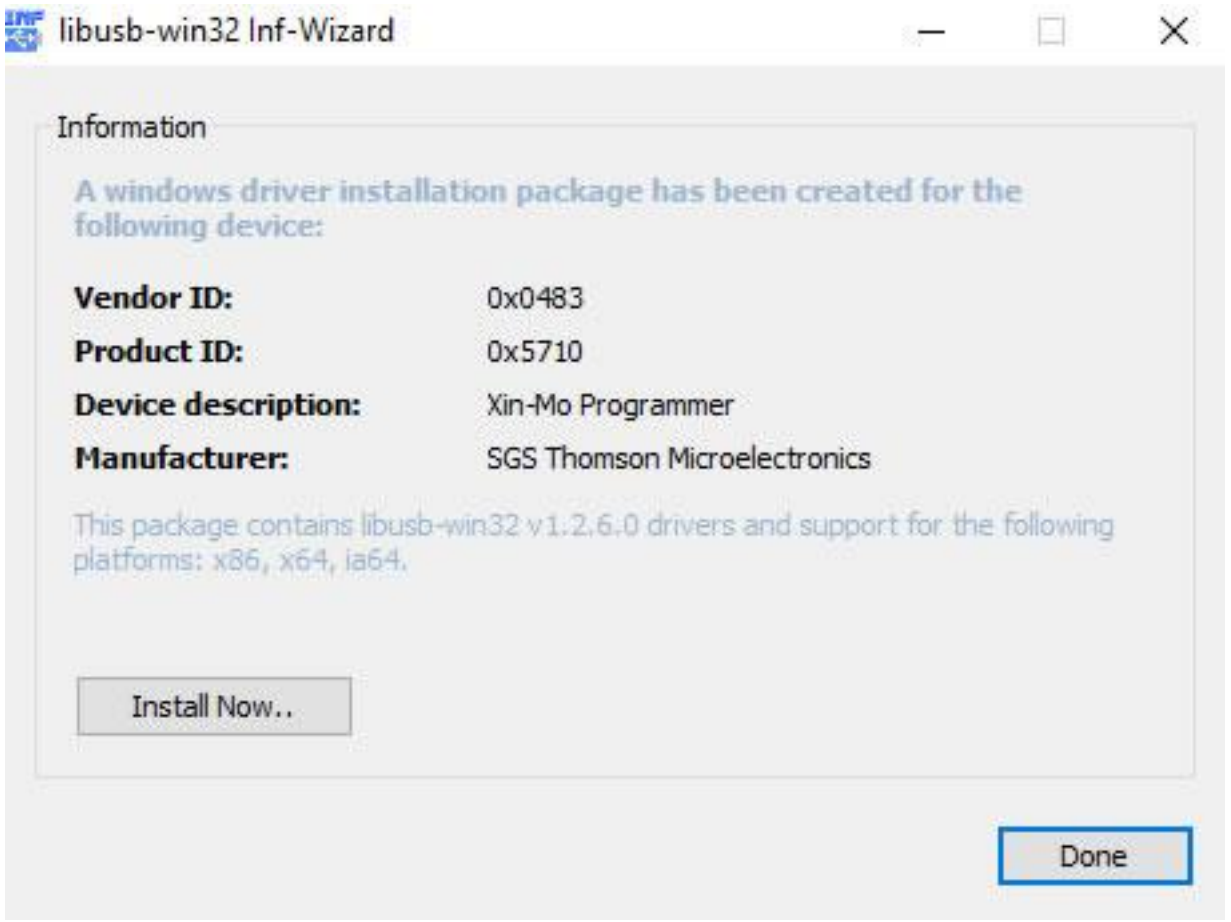
Next, again.


libusb-win32 Inf-Wizard
Device Configuration
Vendor ID (hex format)
0x0483
Product ID (hex format)
0x5710
MI (hex format)
Manufacturer Name
SGS Thomson Microelectronics
Device Name
Xin-Mo Programmer
< Back
Next >
Cancel

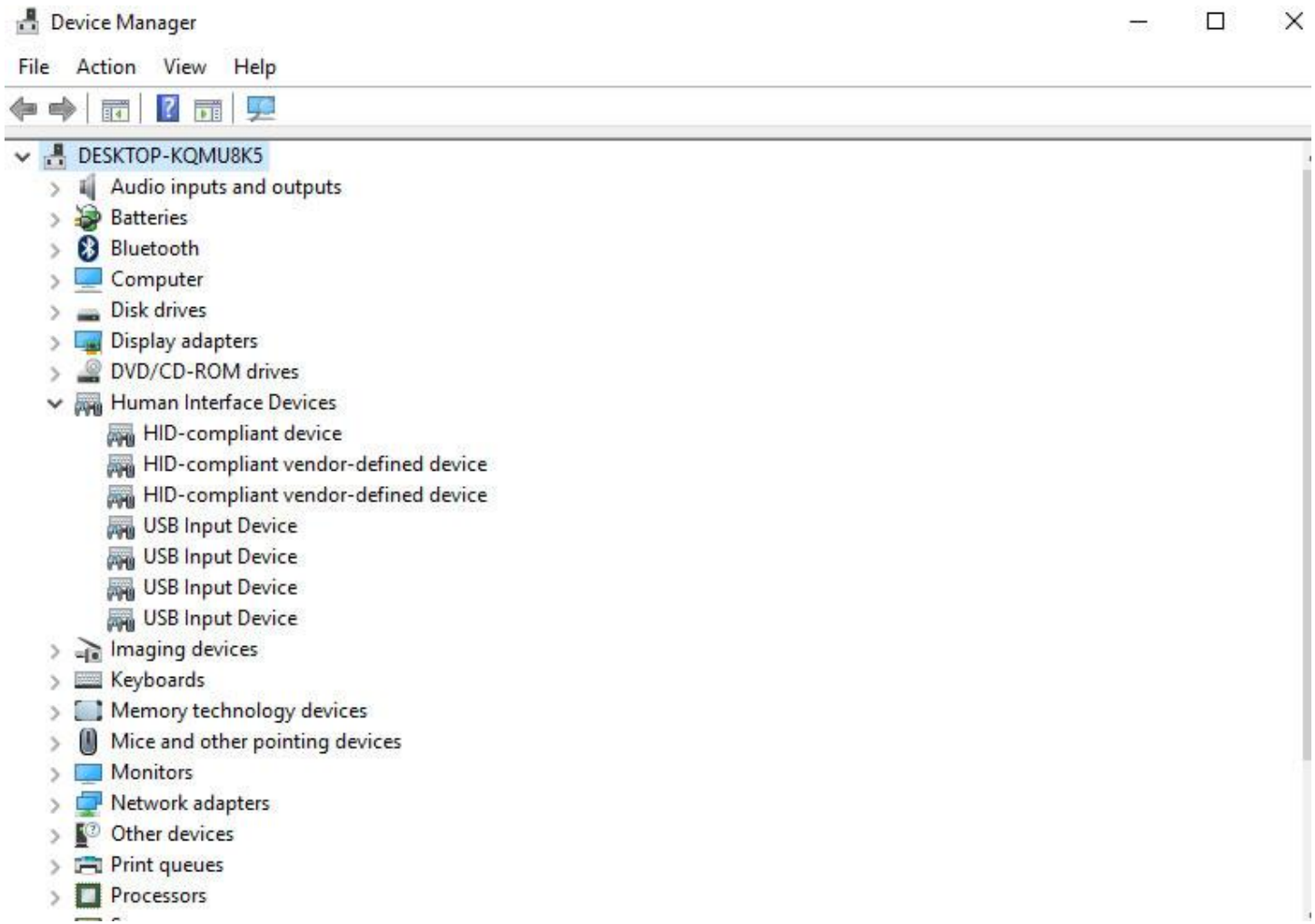
Select the directory you want to save.



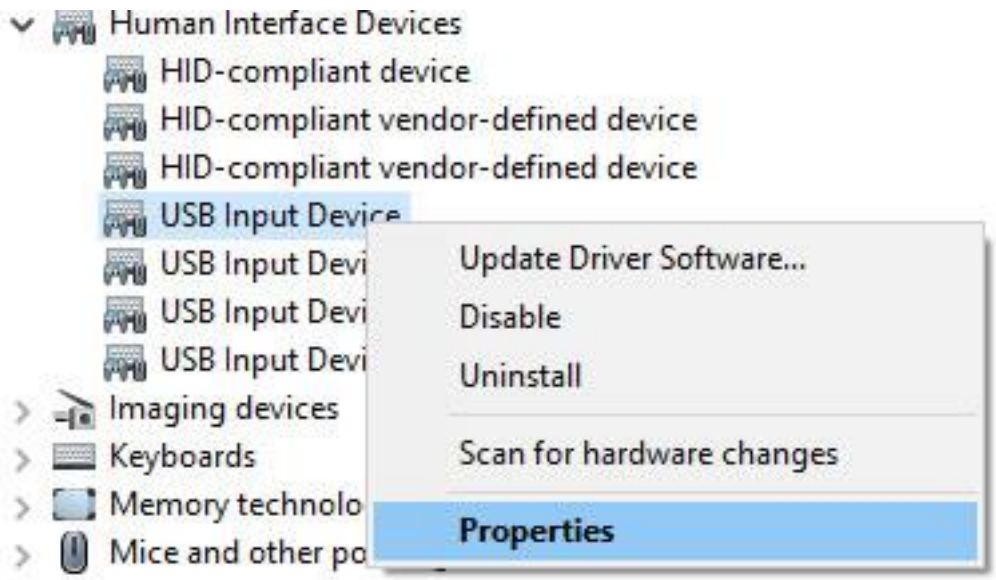
Click ‘Done’. Do not click ‘Install Now’. Do not click ‘Install Now’. Do not click ‘Install Now’.



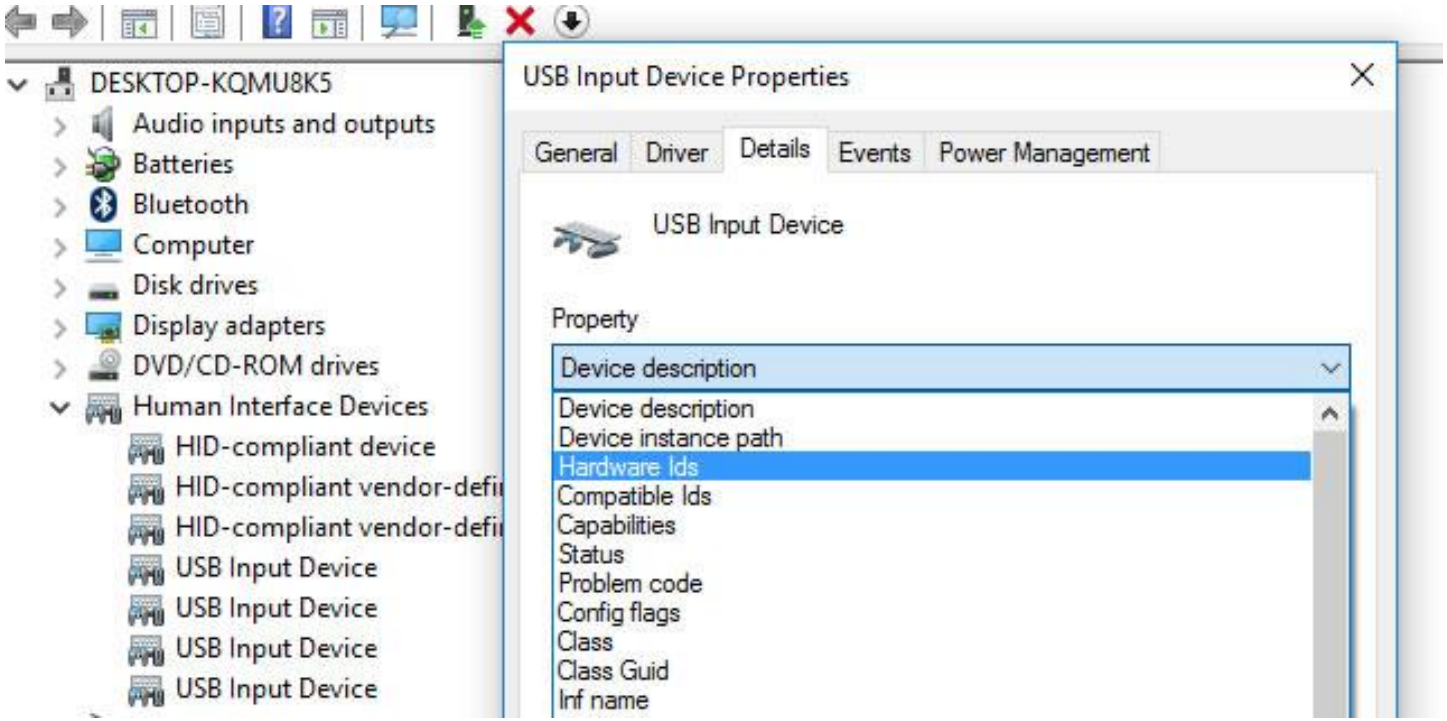
Open your device manager and looking for the human interface devices.



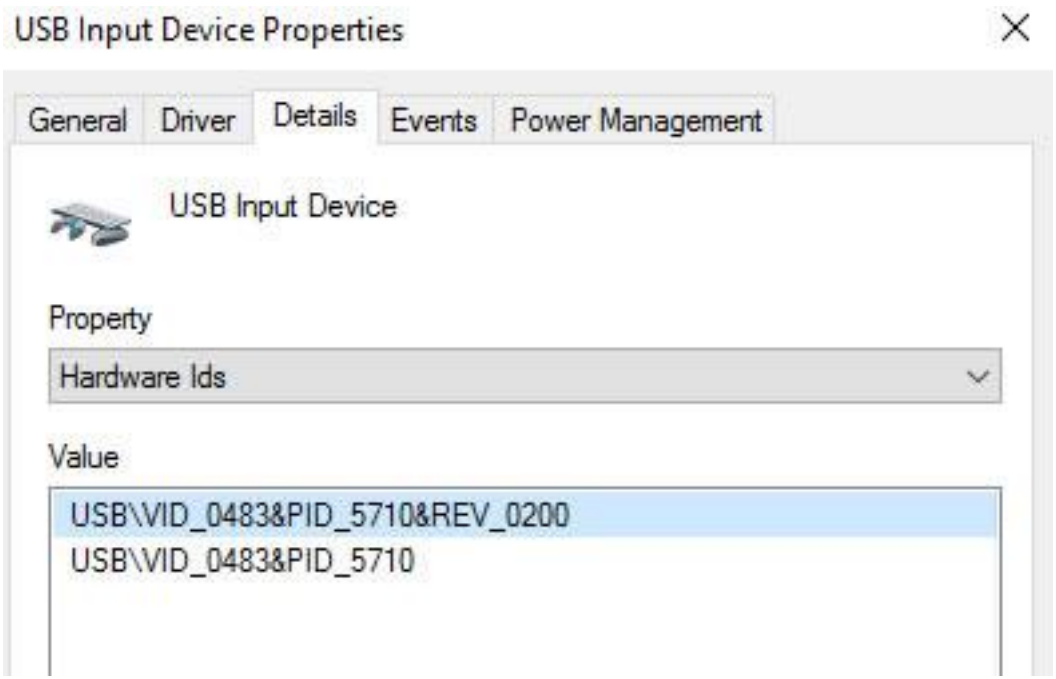
Yes, there have several USB Input Device. Ignore HID-compliant device. Starting from the first, right click menu, select Properties.



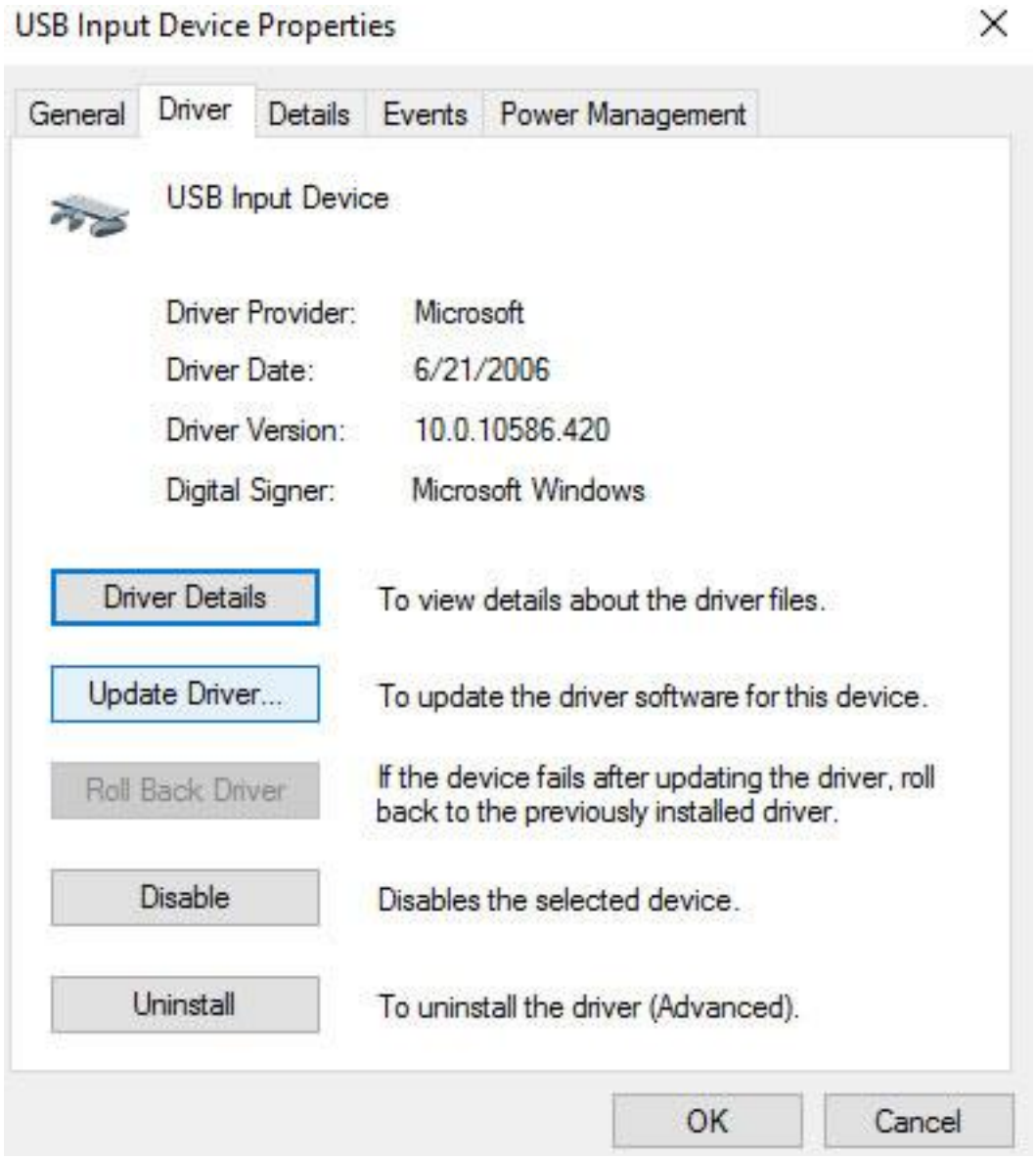
Select Details label, select ‘Hardware Ids’ .



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



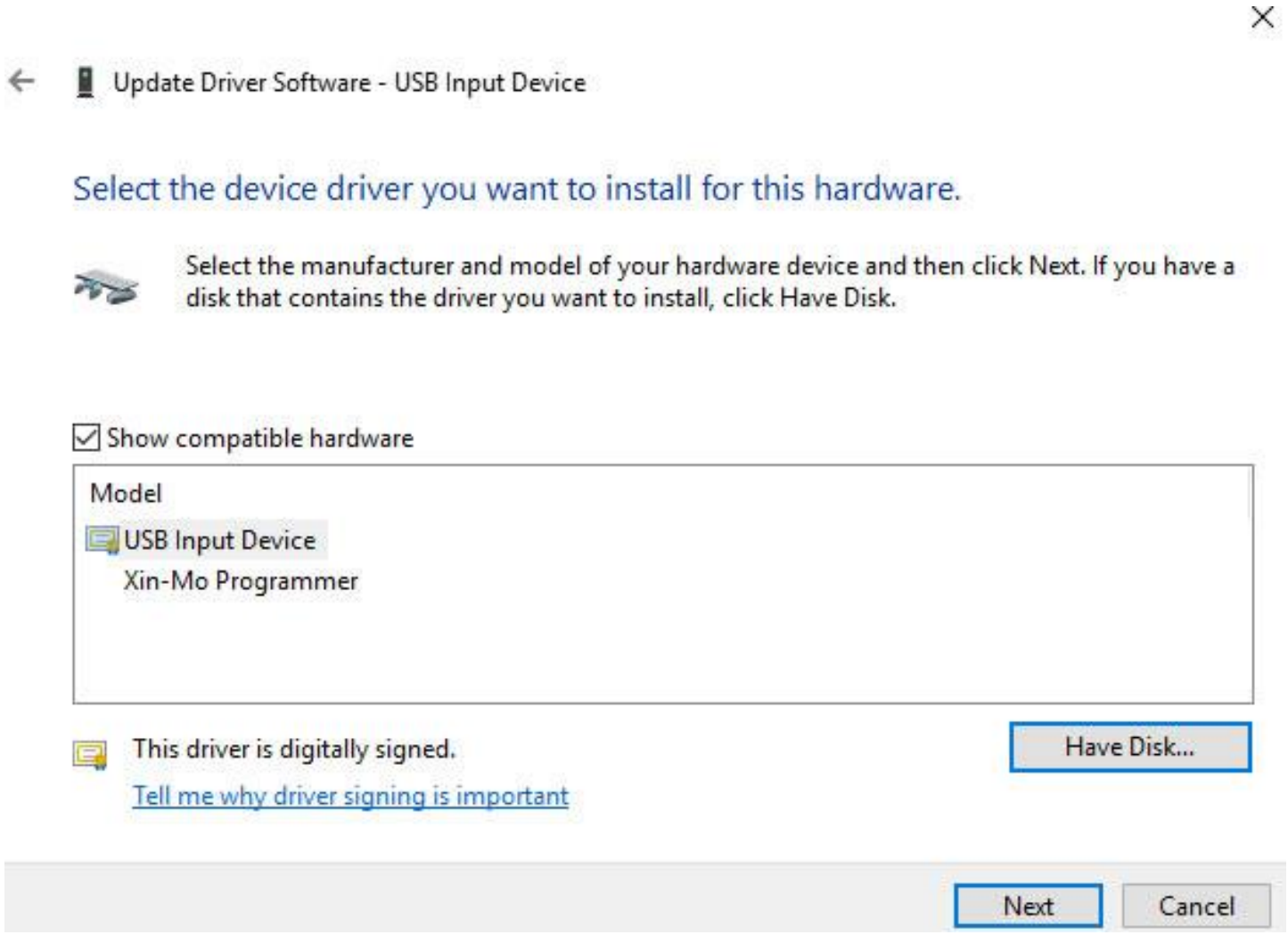
Click Driver label and click ‘Update Driver’.

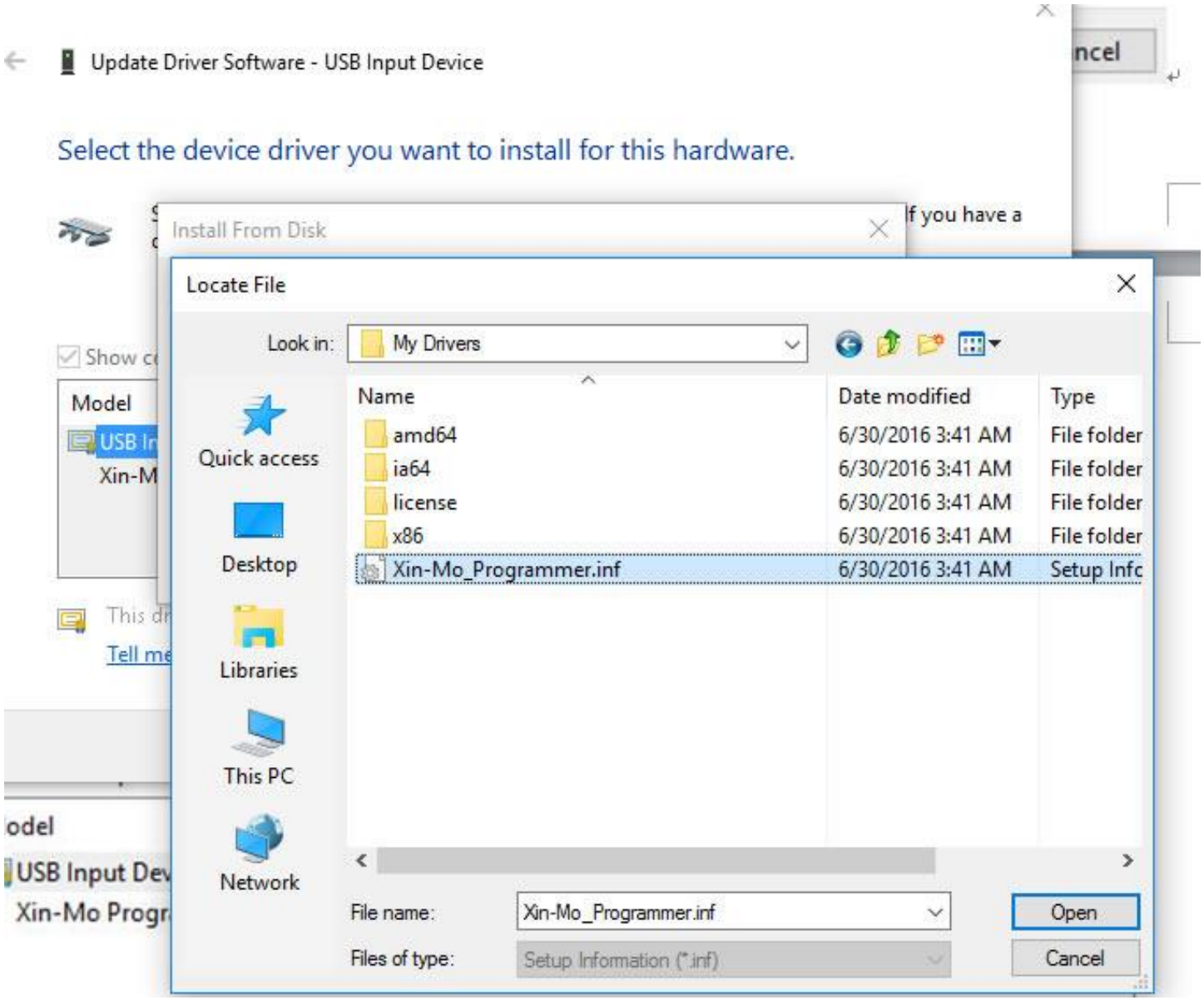


Choose “Browse my computer for driver software”.

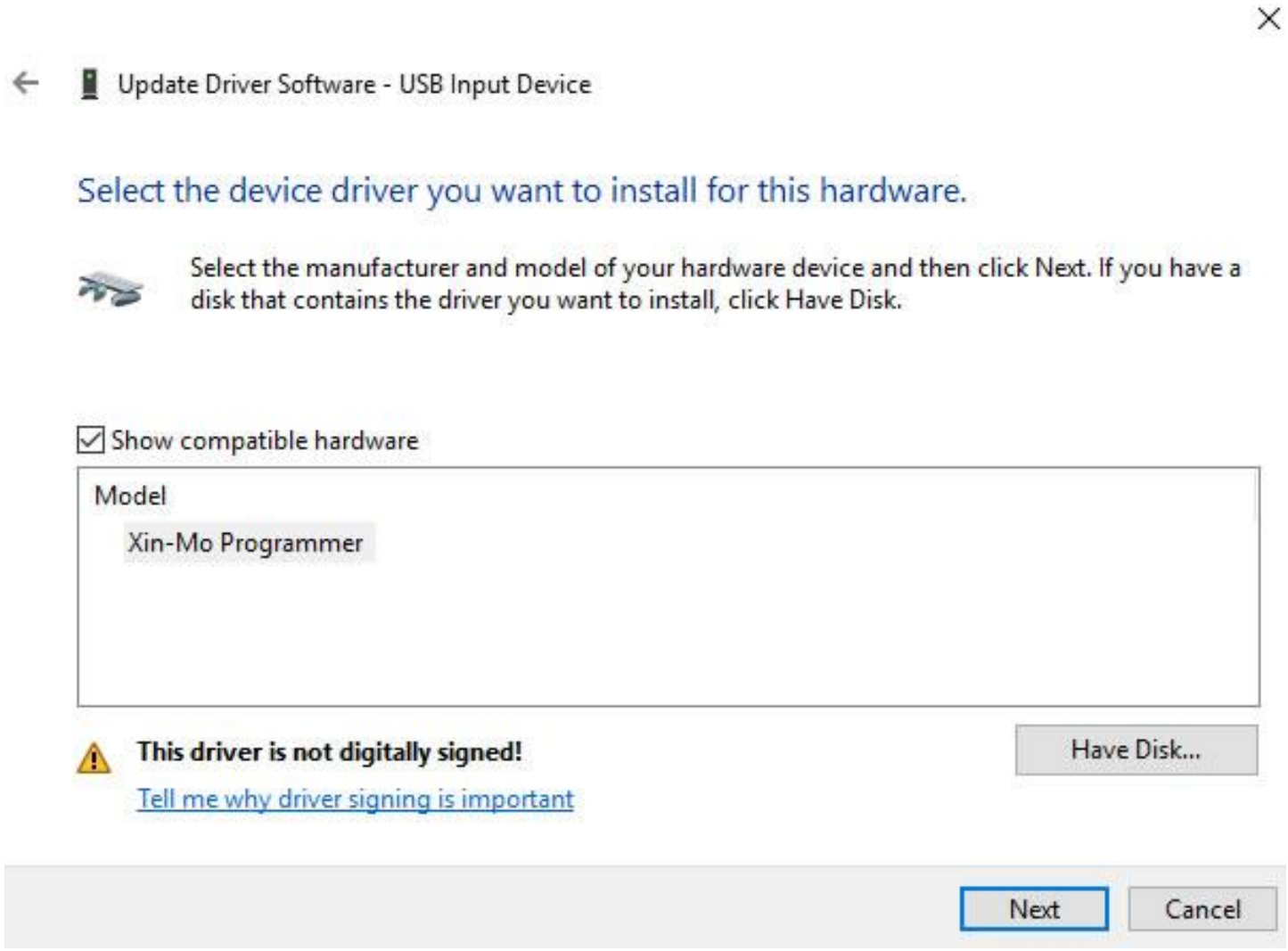
Choose “Let me pick from a list of device drivers on my computer”.

Click “Have Disk” and locate to your driver files directory.

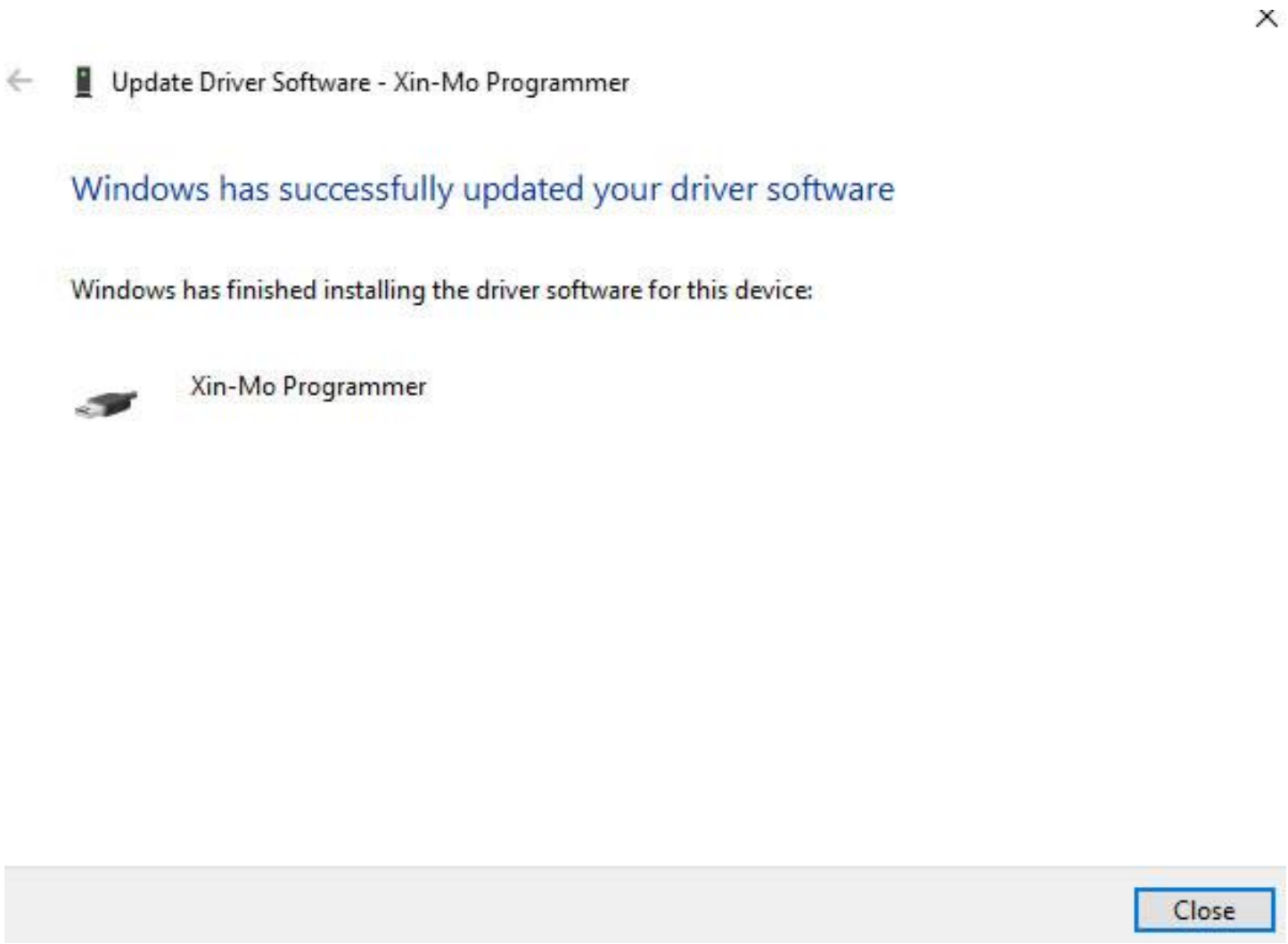



Update Driver Software - USB Input Device
Select the device driver you want to install for this hardware.
Install From Disk
Locate File
Look in:
My Drivers
Quick access
Desktop
Libraries
This PC
Network
Name
Date modified
Type
amd64
6/30/2016 3:41 AM
File folder
ia64
6/30/2016 3:41 AM
File folder
license
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 Infc
File name:
Xin-Mo_Programmer.inf
Files of type:
Setup Information (*.inf)
Open
Cancel
Model
Tell me
USB Input Dev
Xin-Mo Progr

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



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.