USB-to-I²C Dongle and GUI Instruction

Description

This document briefly instructs the user how to install Active-Semi's Graphic User Interface (GUI) and USB-to-I²C dongles on a Windows based PC. Follow below instruction steps to complete installing necessary driver before using Active-Semi USB-to-I²C Dongle and GUI to communicate with the Active-semi's devices.

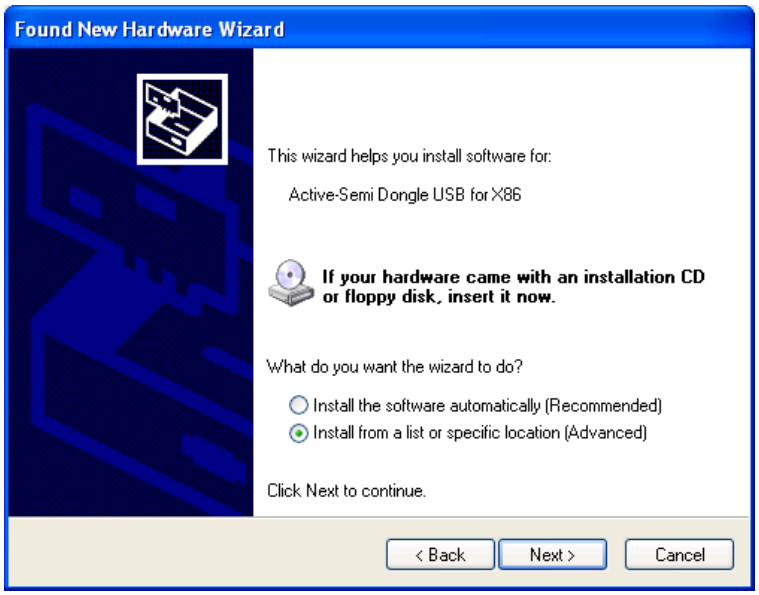
Install Driver of the USB-to-I²C Dongle

The Active-Semi GUI only works on a PC with the driver of Active-Semi's USB-to-I²C dongle successfully installed. For Windows XP, Windows7 or Windows 8 users, please follow appropriated driver instruction below to complete the driver installation.

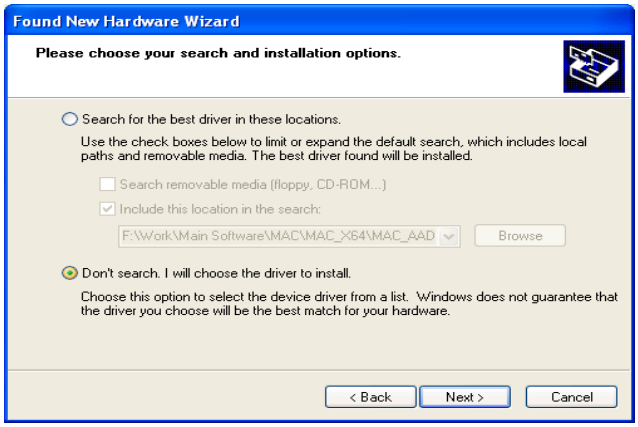
Windows XP

Plug the dongle to USB port the first time, a window appears as below:

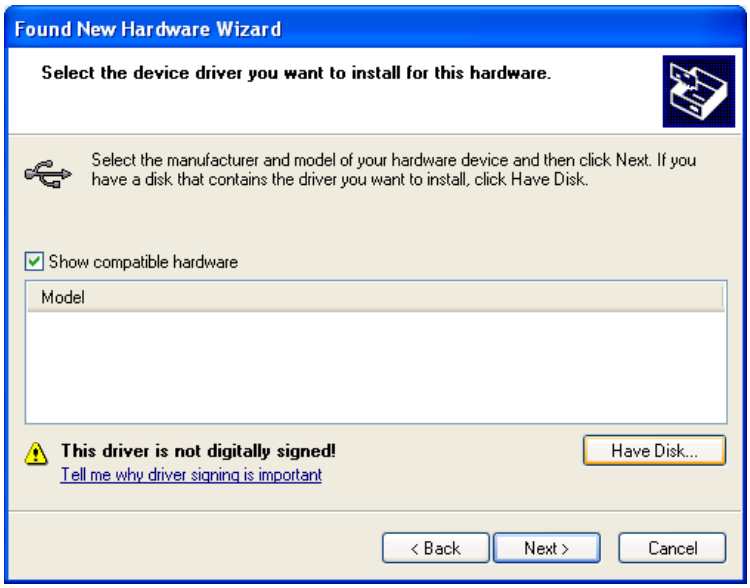
Choose **No, not this time** then click **Next** button. Another pop-up window appears as below:



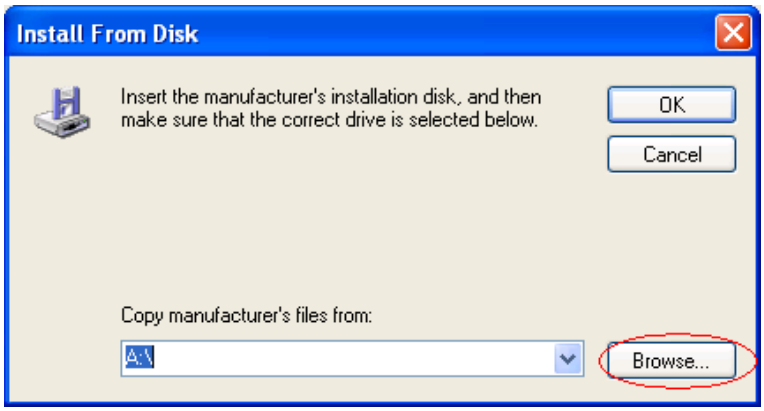
Choose **Install from a list or specific location (Advanced)** then click **Next** button. A new window appears as below:



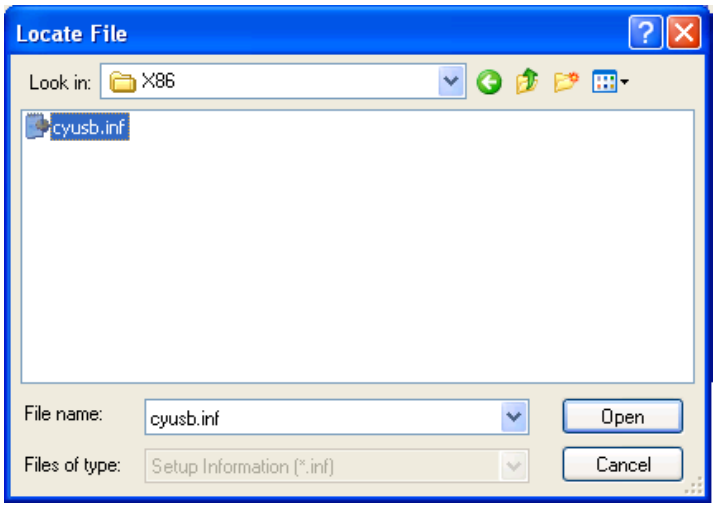
Choose **Don/t search. I will choose the driver to install** then click **Next** button.



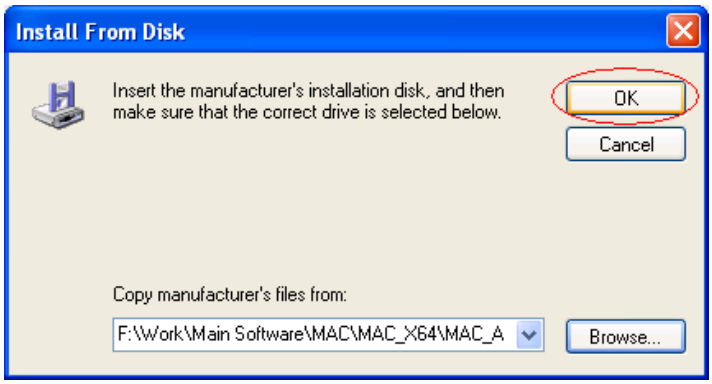
In the new window appears, click on **Have Disk** button



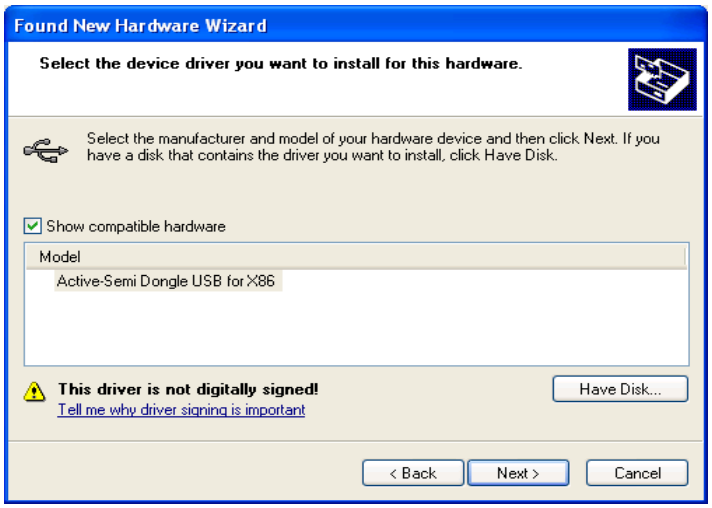
In the new window appears, click on **Browse** button



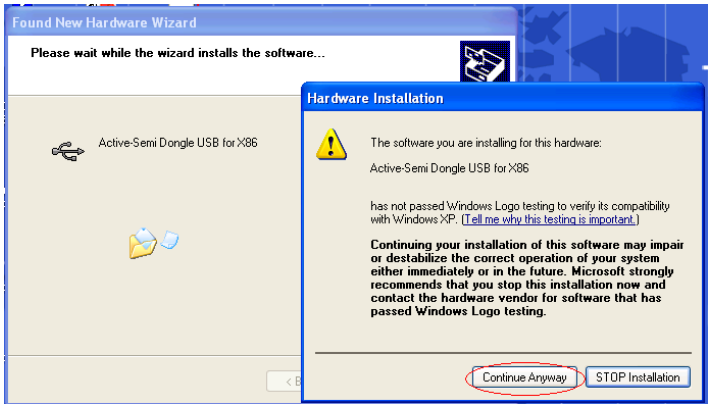
Select **cyusb.inf** in **...\ Driver\X86 folder** and then click **Open** button



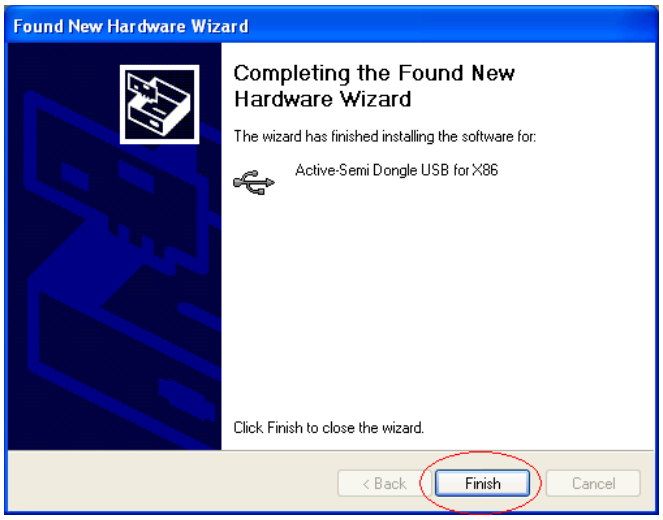
Click **OK** button



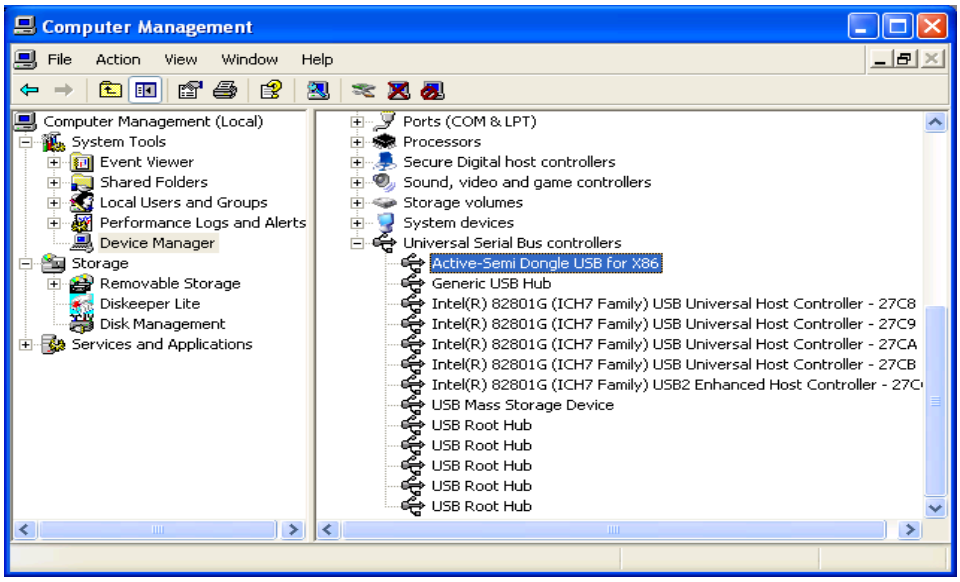
In window appears, choose **Active-semi Dongle USB for X86** in model group and then click **Next** button



Click **Continue Anyways** button and wait for progress in few minutes

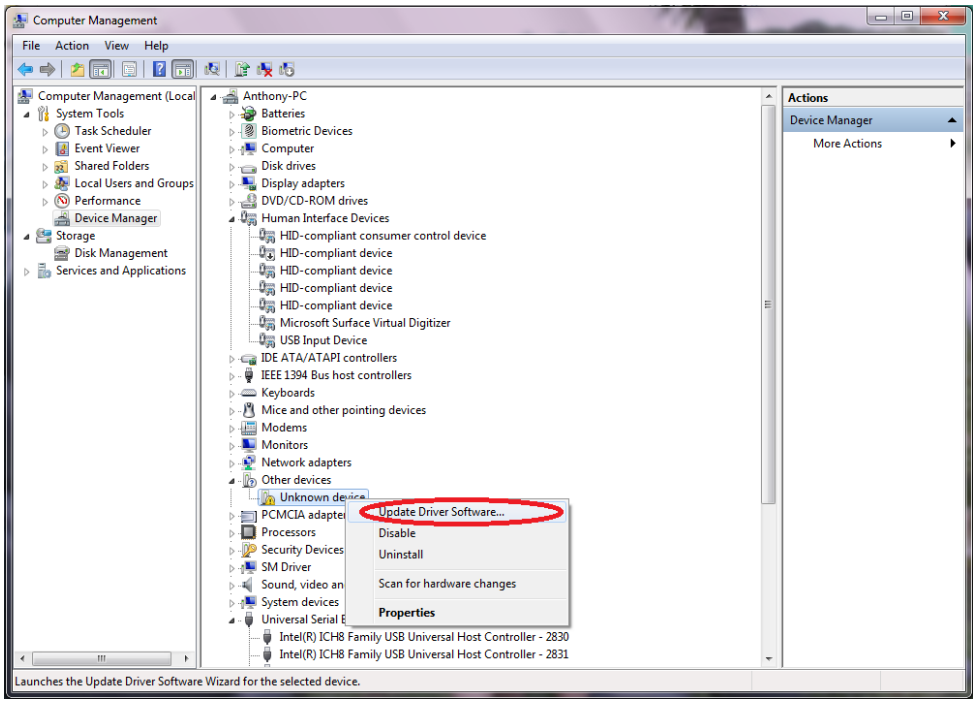


Click **Finish** button to complete. Now, Device Management will have the below result

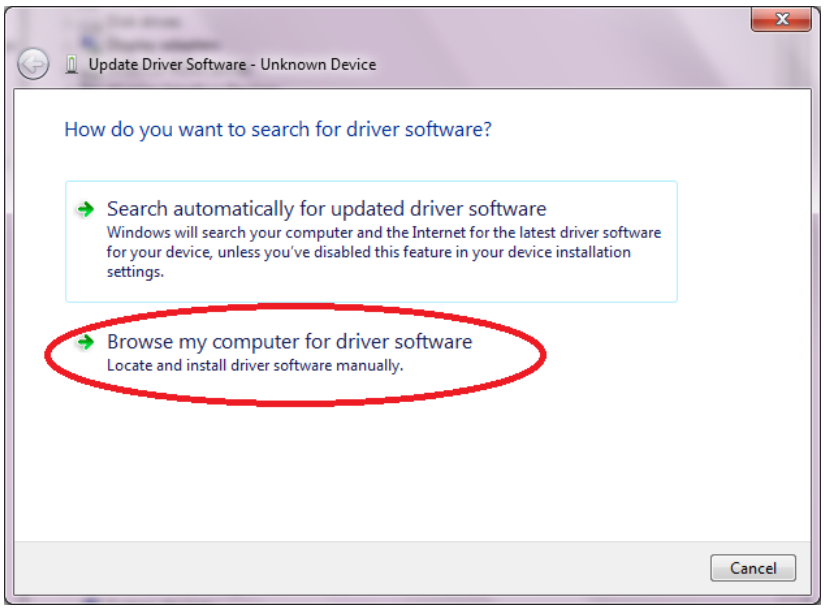


Windows 7 and Windows Vista (32-bit)

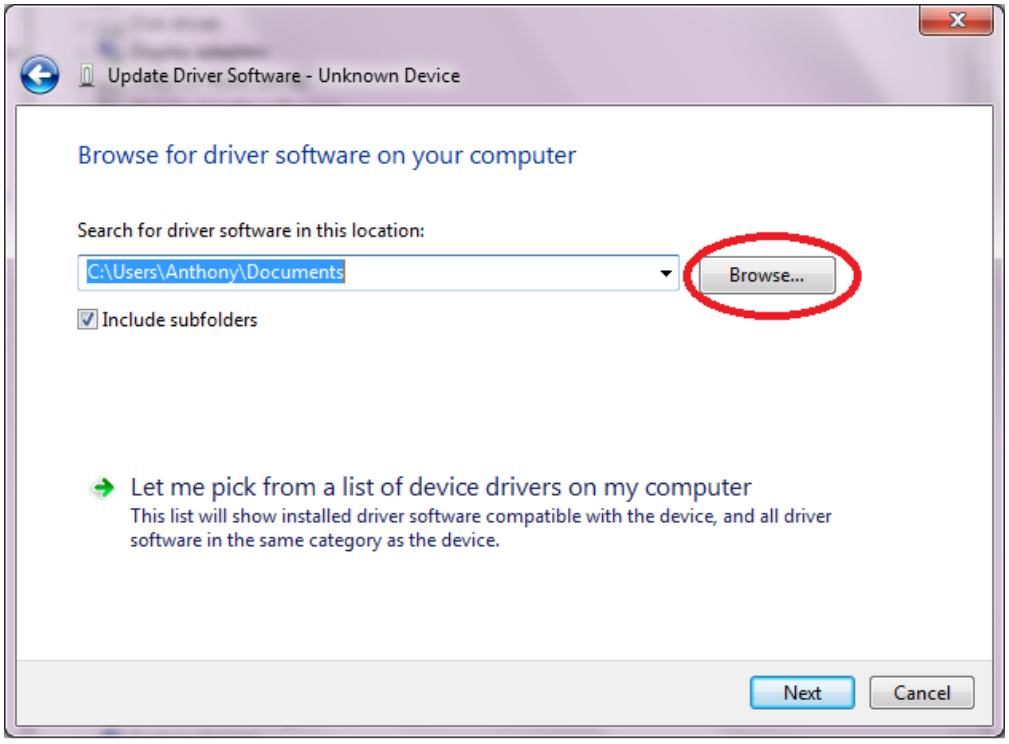
Dongle plug into USB port for the first time, the system will not recognize it. Open Device Management as below:



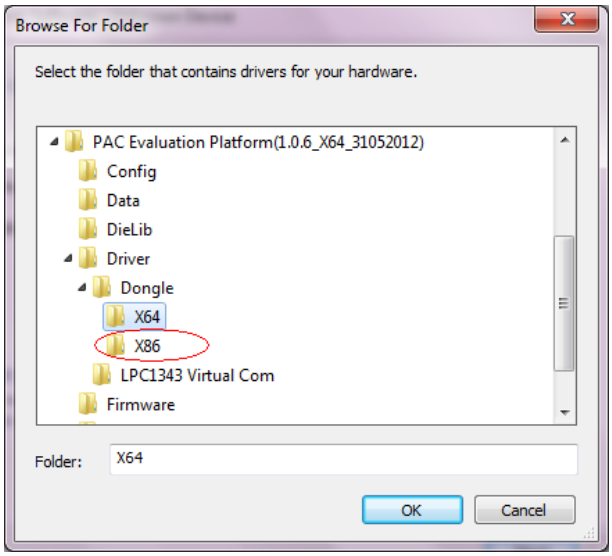
Right click on **Unknow device** and choose **Update Driver Software...**



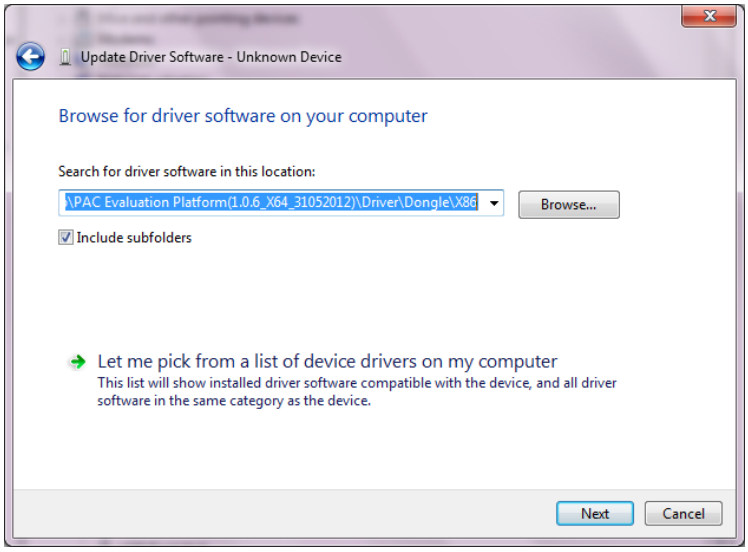
In window appear, choose **Browse my computer for driver software**



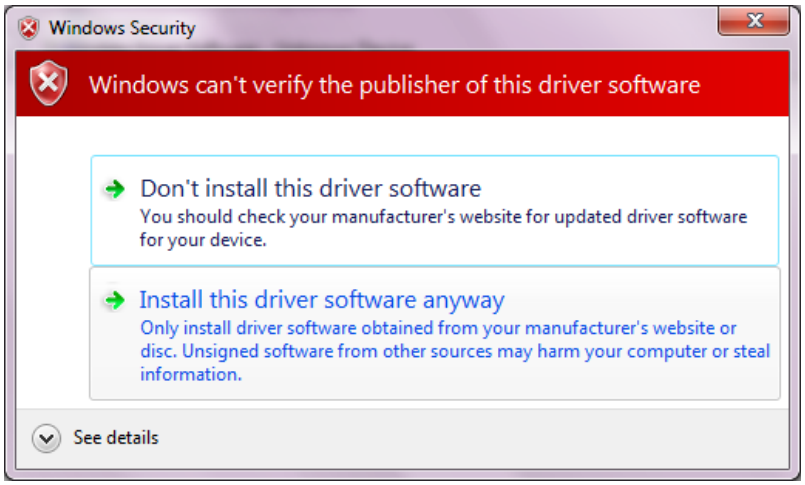
Click **Browse** button to select **X86** folder in **.../Driver** directory as below picture:



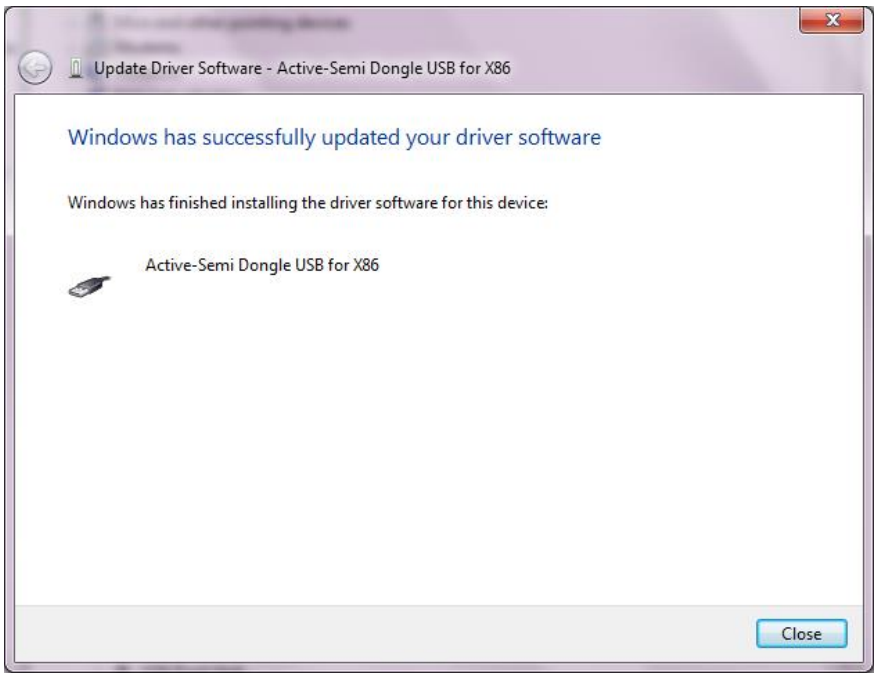
Then click OK button



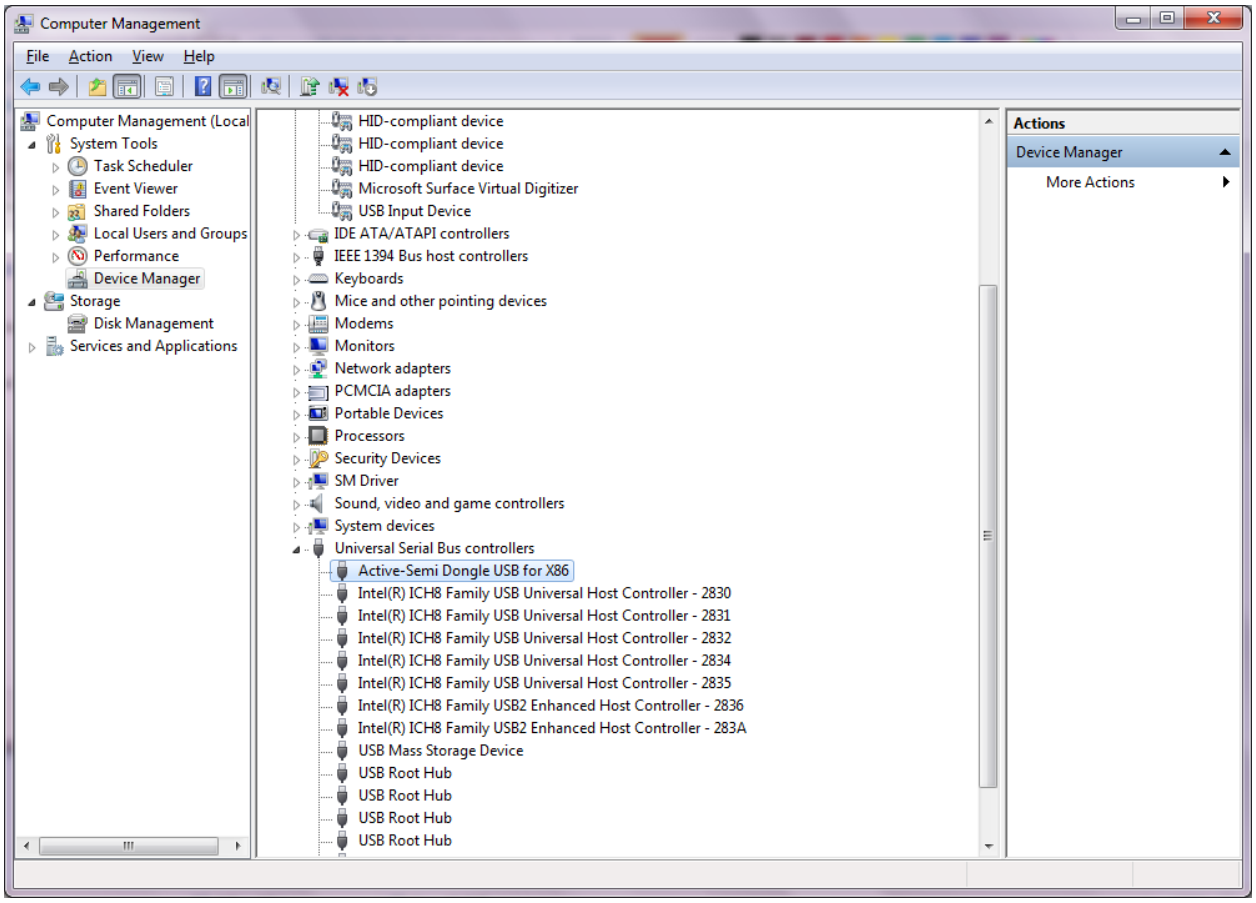
Click **Next** button to continue



Click **Install this driver software anyway**

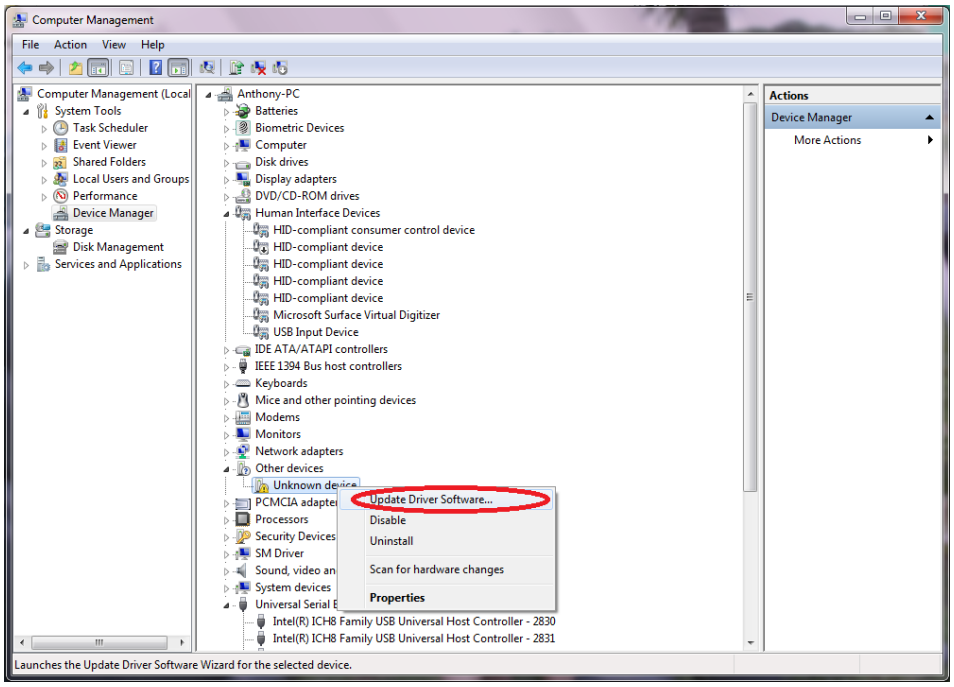


Click **Close** button to complete. Device Management will have the below result:

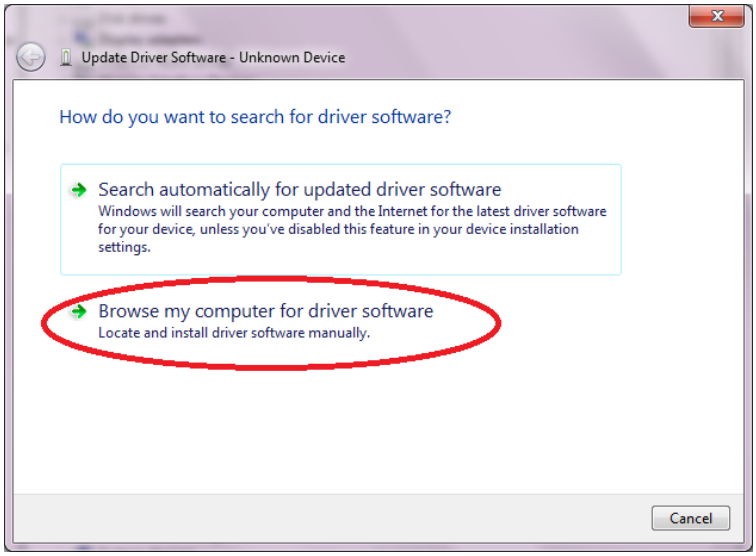


Windows 7, Windows 8 and Windows Vista (64-bit)

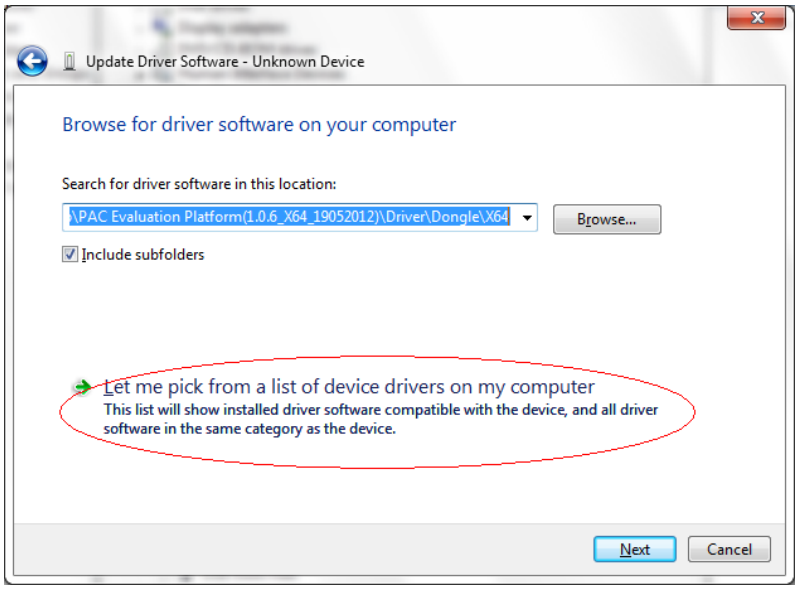
First time Dongle plug into USB port, the system will not recognize it. Open Device Management as below:



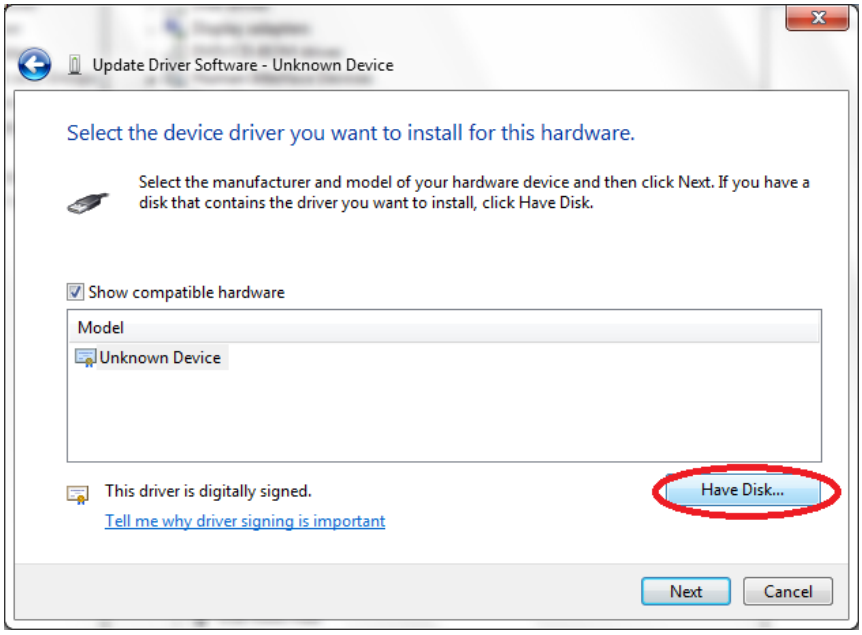
Right click on **Unknow device** and choose **Update Driver Software...**



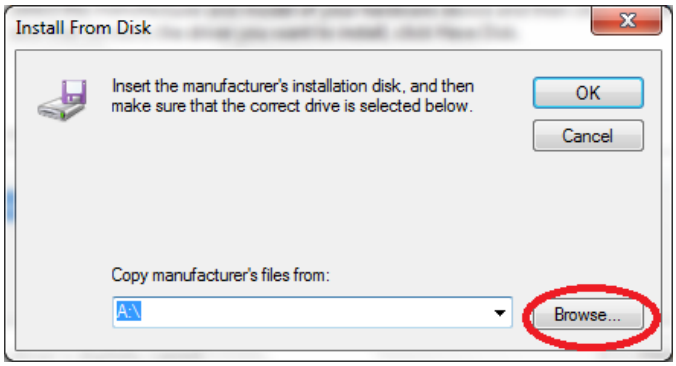
In window appear, choose **Browse my computer for driver software**



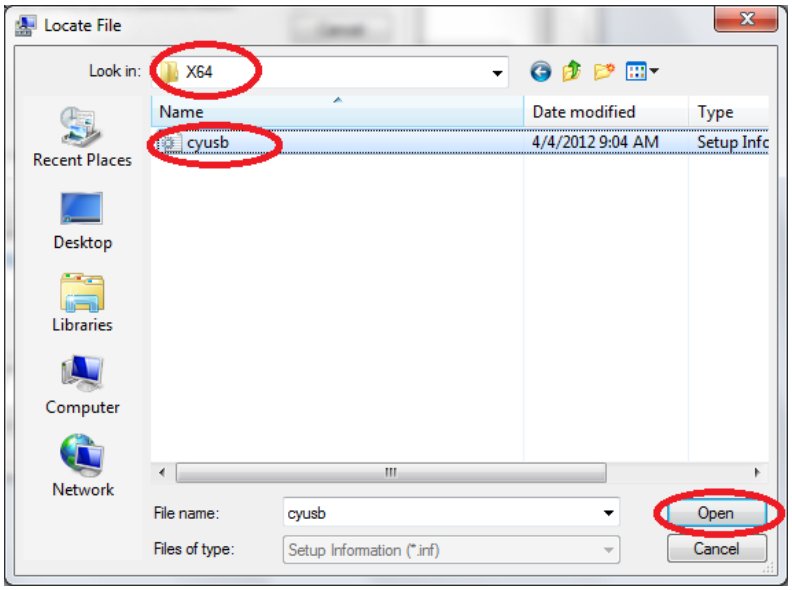
Click on **Let me pick from a list of device drivers on my computer** button. A new window appears as below picture:



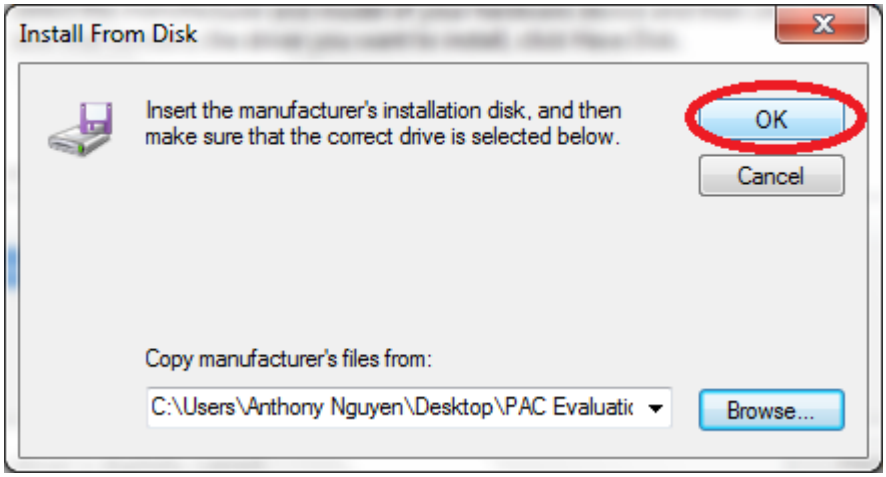
Click on **Have Disk** button to select driver



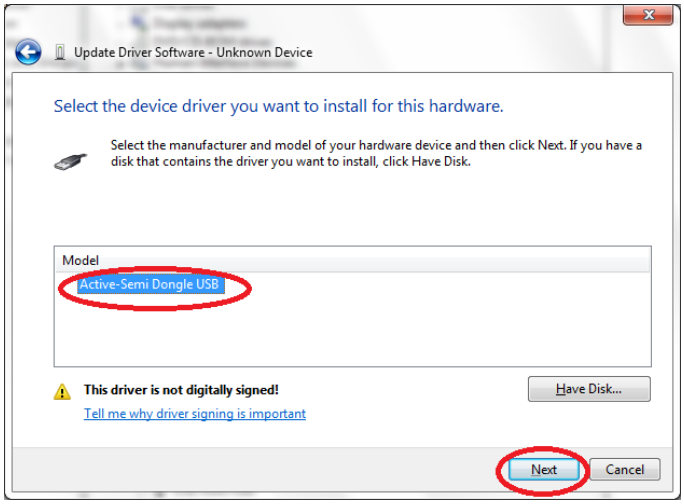
Click on **Browse..** button to select **cyusb.inf** file in **../ Driver/X64** folder



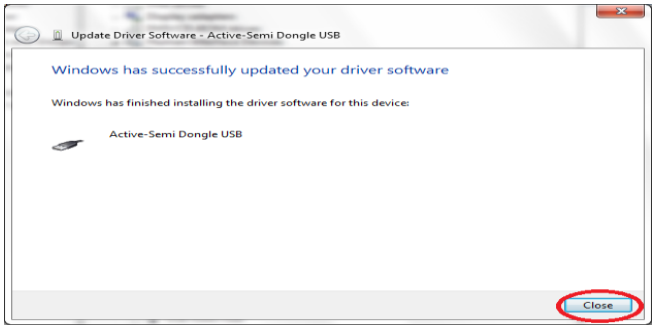
Click on **Open** button to continue



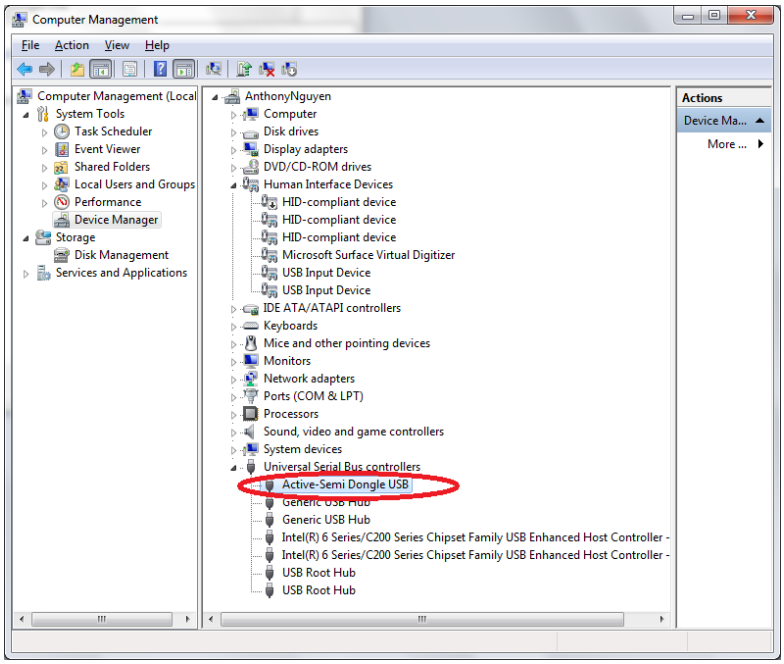
Click on **OK** button to confirm the selected driver



Click on **Active-semi Dongle USB** and then click **Next** button to start installing the driver

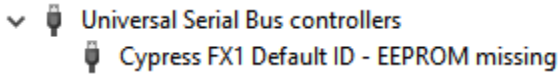


Click **Close** button to complete. Device Management will have the below result:



Windows 10

For Windows 10 user, the Windows 10 will automatically install the driver of the dongle once it first plug into PC's USB port under the name of "Cypress FX1 Default ID – EEPROM missing" USB controller.



Install Microsoft .NET Framework 3.0 or later

The GUI requires PC has Microsoft .NET Framework 3.0 or later installed. Download and install the .NET Framework 3.0 from Microsoft official website in following link:

https://www.microsoft.com/en-us/download/details.aspx?id=3005

Using The Active-Semi's USB-to-I²C Dongle

The Active-Semi's USB-to-I²C dongle allows user to communicate with the IC from the GUI. The dongle has 4 terminals, however user should only use 3 terminals for I²C communication. Connect GND-SDA-SCL from the dongle to GND-SDA-SCL of the I²C-device under test per the dongle's terminal arrangement as picture below:

Dongle Cable Connector (Black Wire Connected to GND of the I²C jumper on the PCB164A00SK board)

Dongle Cable Connector (Black Wire Connected to GND)