
Nu-Bridge Dual COM Port Driver Installation Guide

For Windows7 OS

Application Note for 32-bit NuMicro® Family

Rev. 1.01 — Nov 1, 2013

Document Information

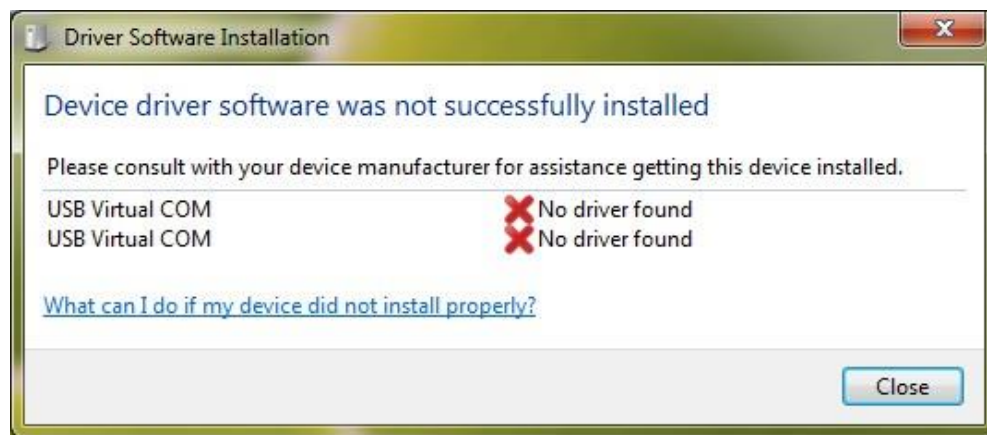
Abstract	This document introduces how to install dual virtual com port driver for Windows 7 OS.
Apply to	NUC123 Series

1 Installation Step of Nu-Bridge driver

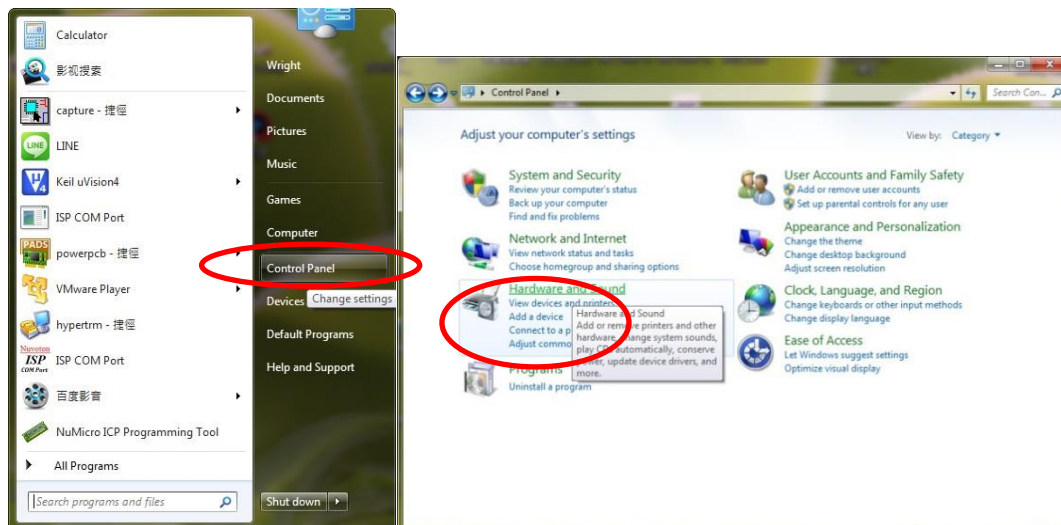
1. Plug Nu-Bridge (following photo) into USB port of PC or Notebook.

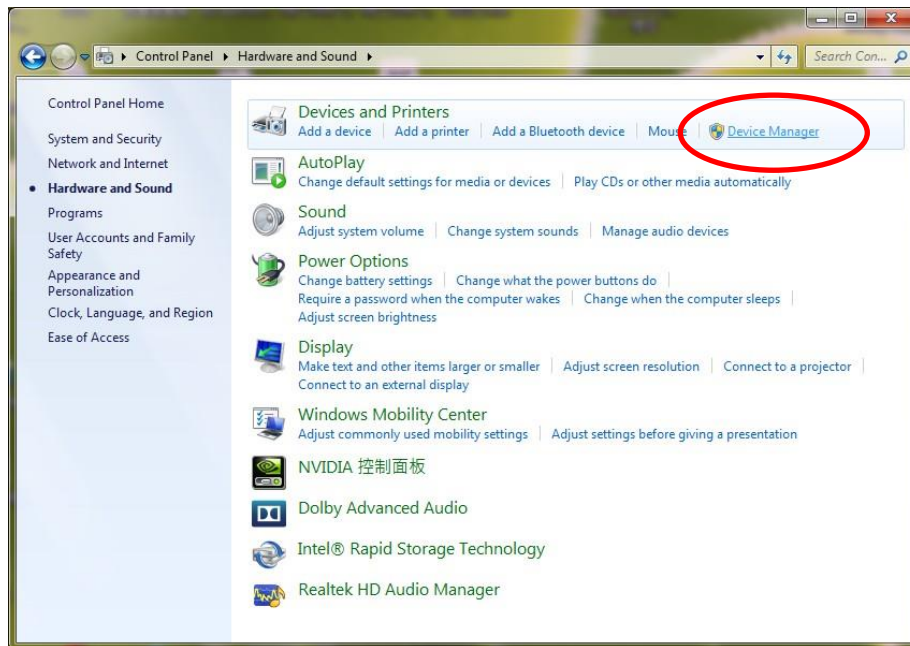


2. Cancel USB driver auto installation for “Driver Software Installation” window.

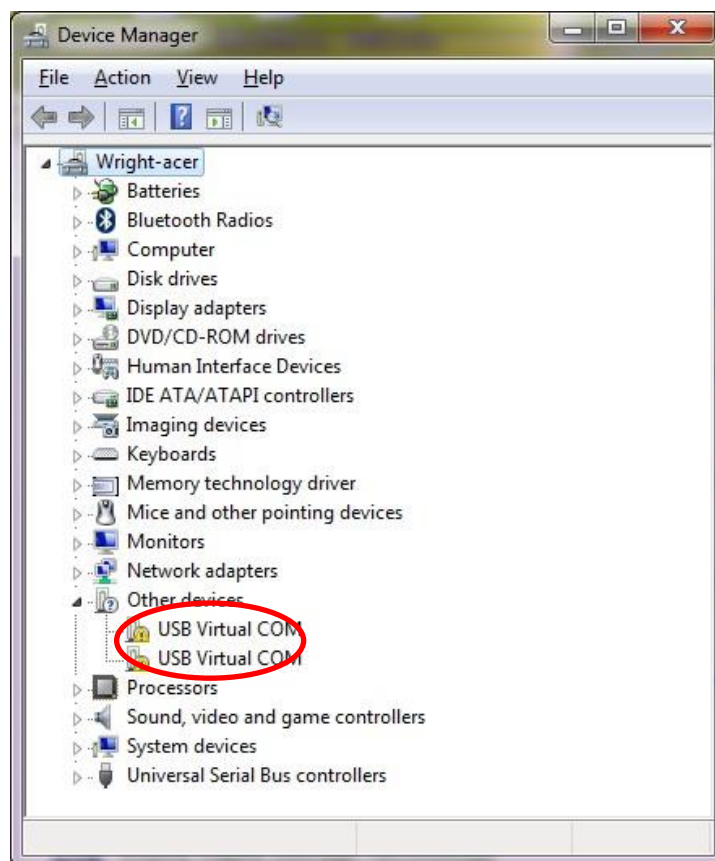


3. Open “Device Manager” from “Control Panel”

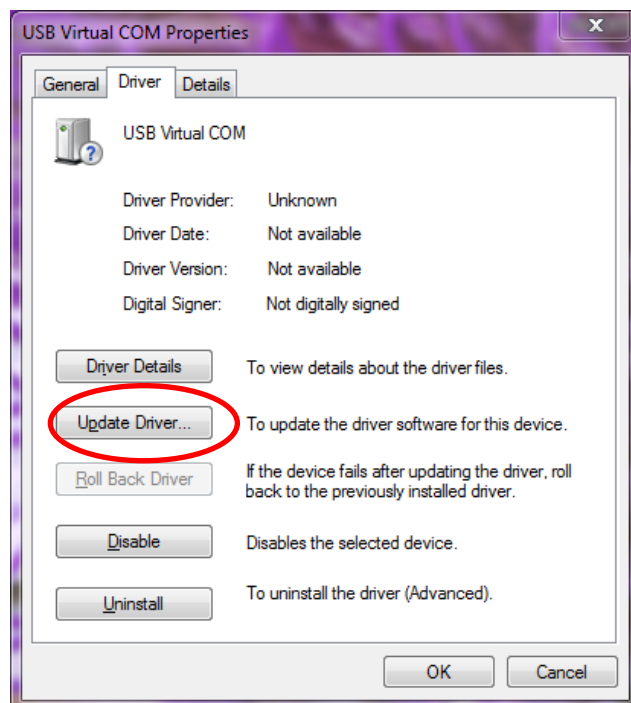




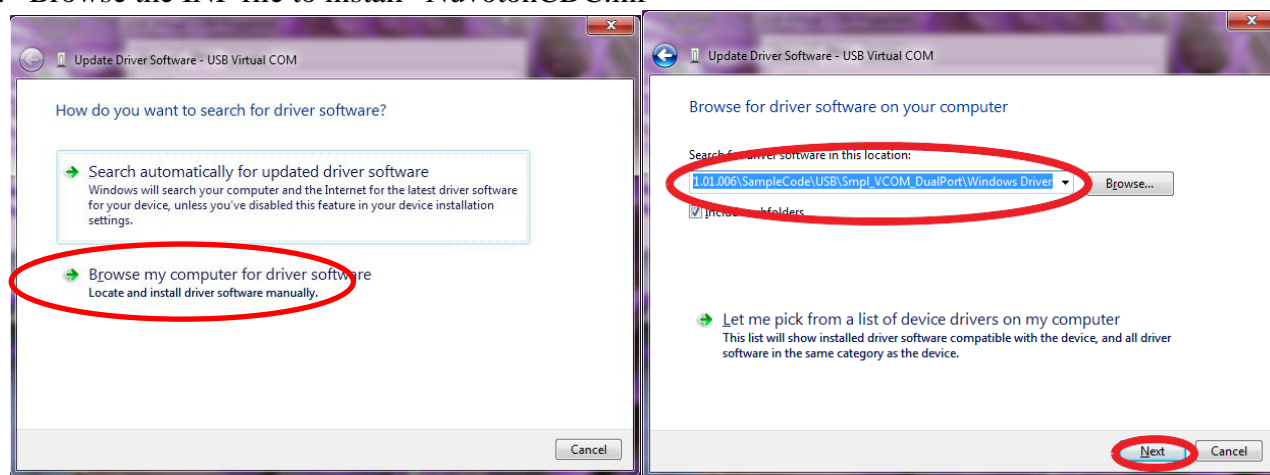
4. Select “USB Virtual COM” USB device



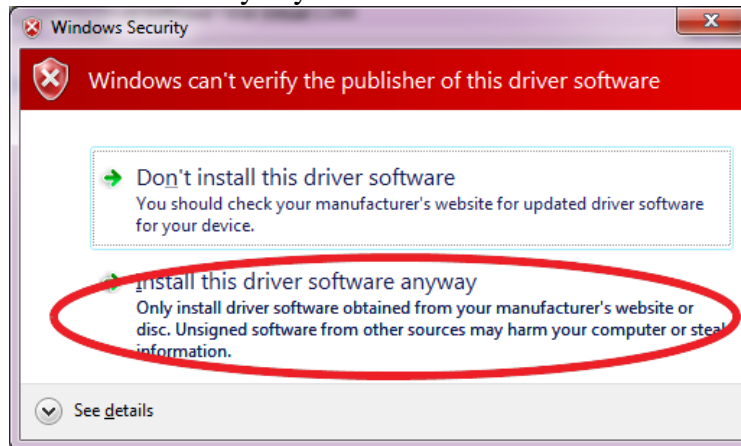
5. Select “Update Driver”



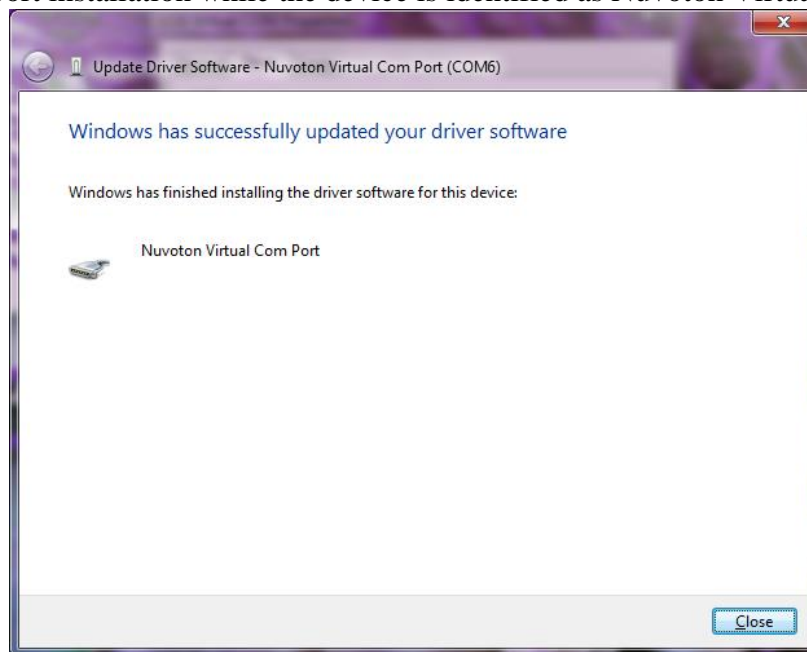
6. Browse the INF file to install “NuvotonCDC.inf”

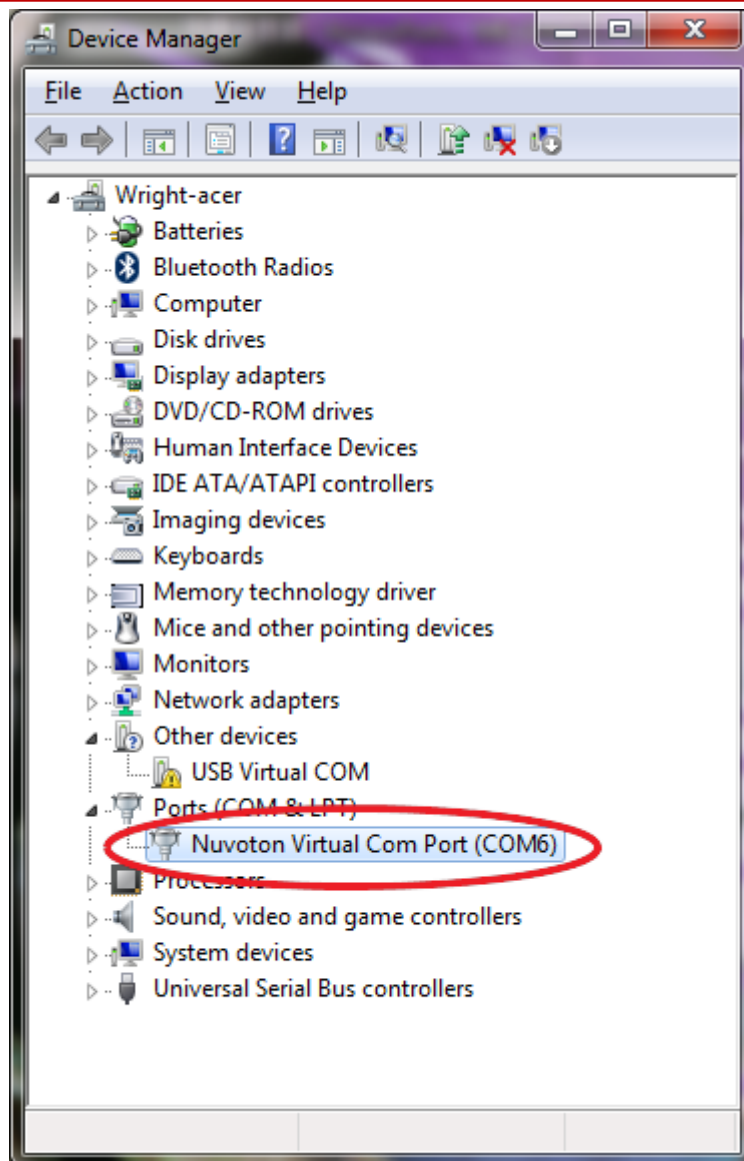


7. Select “Install this driver software anyway”



8. Finish a COM port installation while the device is identified as Nuvoton Virtual Com Port





9. Redo the procedure for another “USB Virtual COM” USB device.

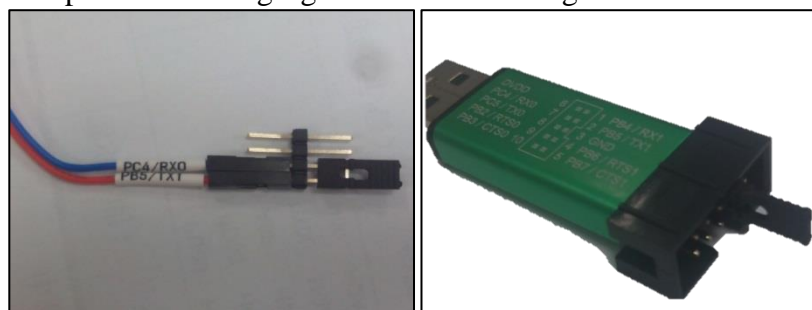
2 APROM Firmware Updating

Nu-Bridge has two booting modes in the LDROM of NUC123. One is test mode for hardware production test and the other is firmware updating mode to upgrade the Nu-Bridge firmware easily.

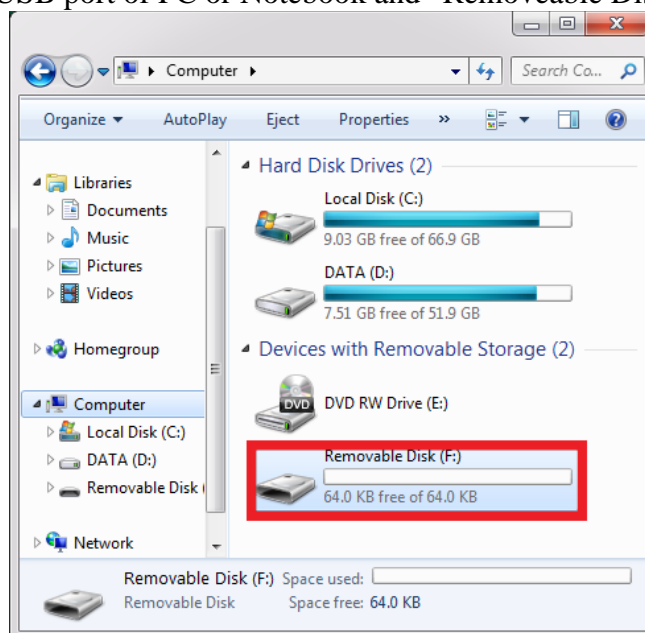
Booting Mode	Setting before Nu-Bridge is powered on	Note
Hardware test mode	Short PB4/RX1 and PB5/TX1 pins	
Firmware updating mode	Short PB5/TX1 and PC4/RX0 pins	By USB mass storage class

Step by step to update Nu-Bridge firmware:

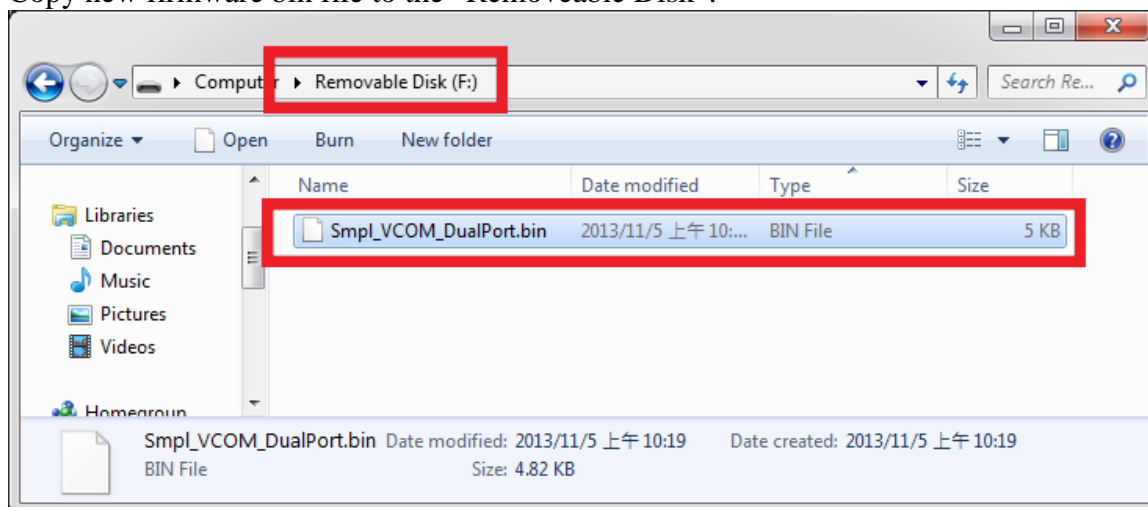
1. Short PB5 and PC4 pin as following figure before Nu-Bridge connects to USB port



2. Plug Nu-Bridge into USB port of PC or Notebook and “Removable Disk” will appear.



3. Copy new firmware bin file to the “Removable Disk”.



4. Unplug Nu-Bridge
5. After removing the short connection between PB5 and PC4, users can utilize the new firmware.

Revision History

Revision	Date	Description
1.00	Nov. 1, 2013	Initially issued.
1.01	Nov. 4, 2013	Added firmware updating section.

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