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Application Notes on the C7x00-C USB Setup on 64-bit Windows

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ABSTRACT

The drivers provided with BatteryShop 7.1 are 32-bit compatible only. To allow the C7200-C, C7400-C, and C7400ER-C (C7x00-C) battery analyzer/chargers to operate on a 64-bit machine, optional driver can be installed in its place. The steps provided in this application note will go over the basic installation and setup of these drivers.

Prerequisites:

- This document assumes that the user is familiar with the operation of the Cadex C7x00-C, BatteryShop™, and Windows Operating System software.
- C7x00-C Battery Analyzer (Firmware Version 1.10)
- 64-bit Windows OS

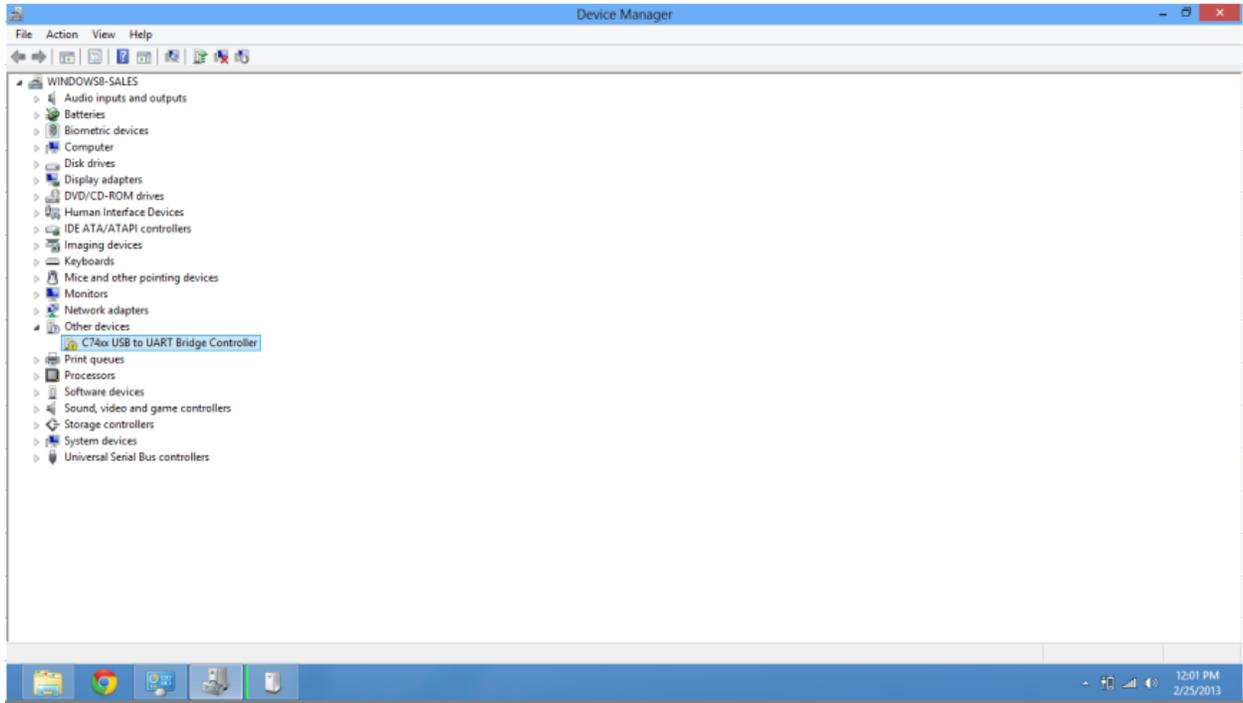
A. Driver Installation

The USB chip used in Cadex's C7x00-C analyzers is from Silicon Laboratories and is part of their CP210x USB to UART Bridge set. Navigate to their website at www.silabs.com and do a search for CP210x. This should bring up the "CP210x USB to UART Bridge VCP Drivers".

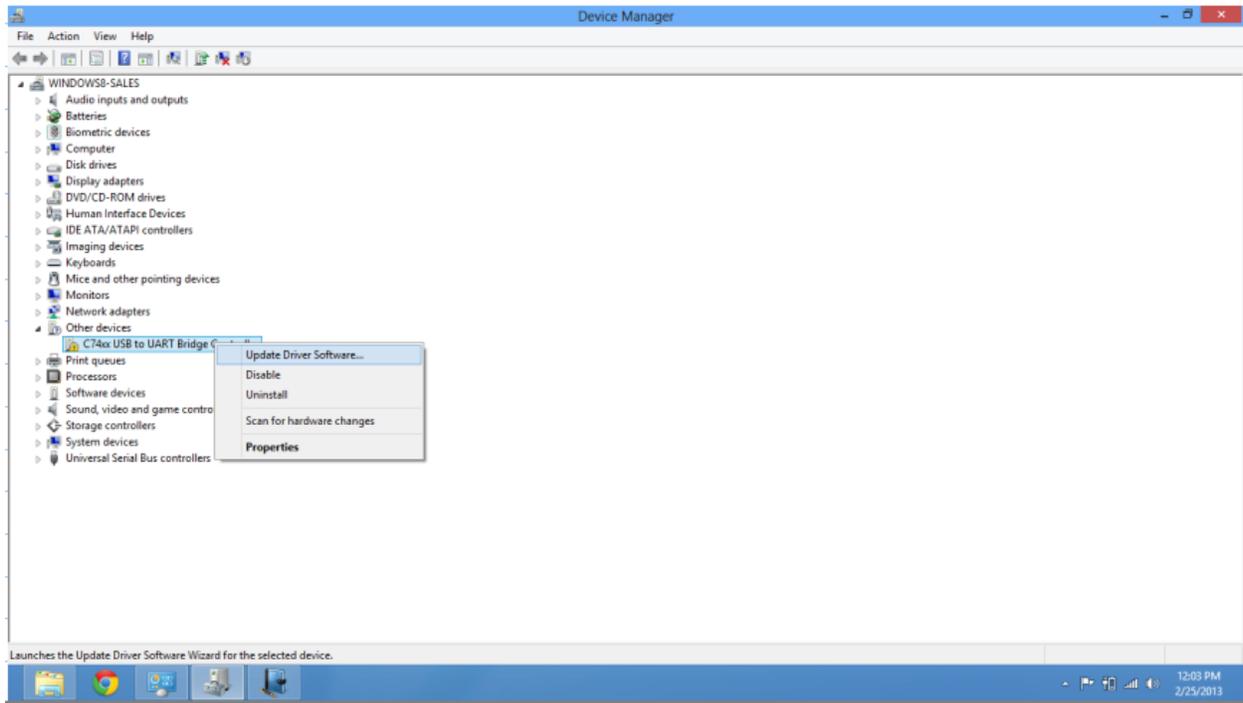
Download their "VCP Driver Kit". Double click on the zip file and extract the CP210x_VCP_Windows folder to the desktop. Inside the folder, run the CP210xVCPInstaller_x64.exe file. This will install the needed drivers to the computer.

B. Assigning "C74xx USB to UART" to driver

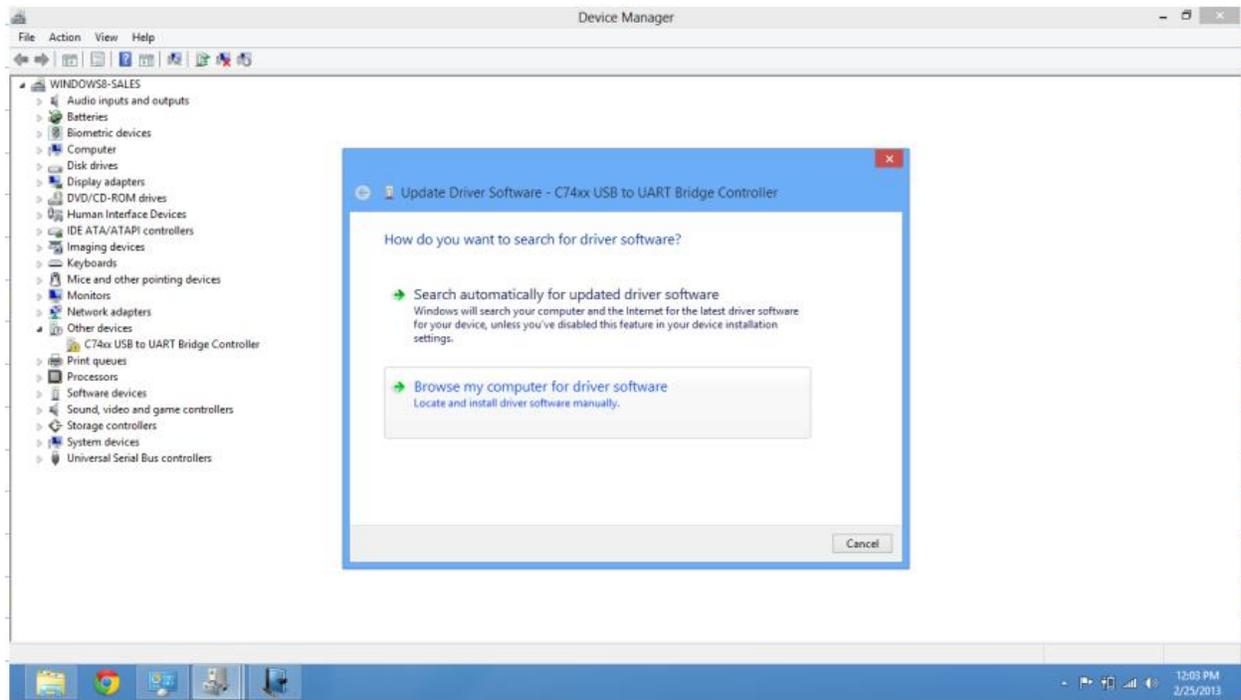
1. Connect the C7x00-C battery analyzer to the computer via USA.
2. Verify the C7x00-C battery analyzer is powered on.
3. In the Windows OS system, open up "Device Manager".



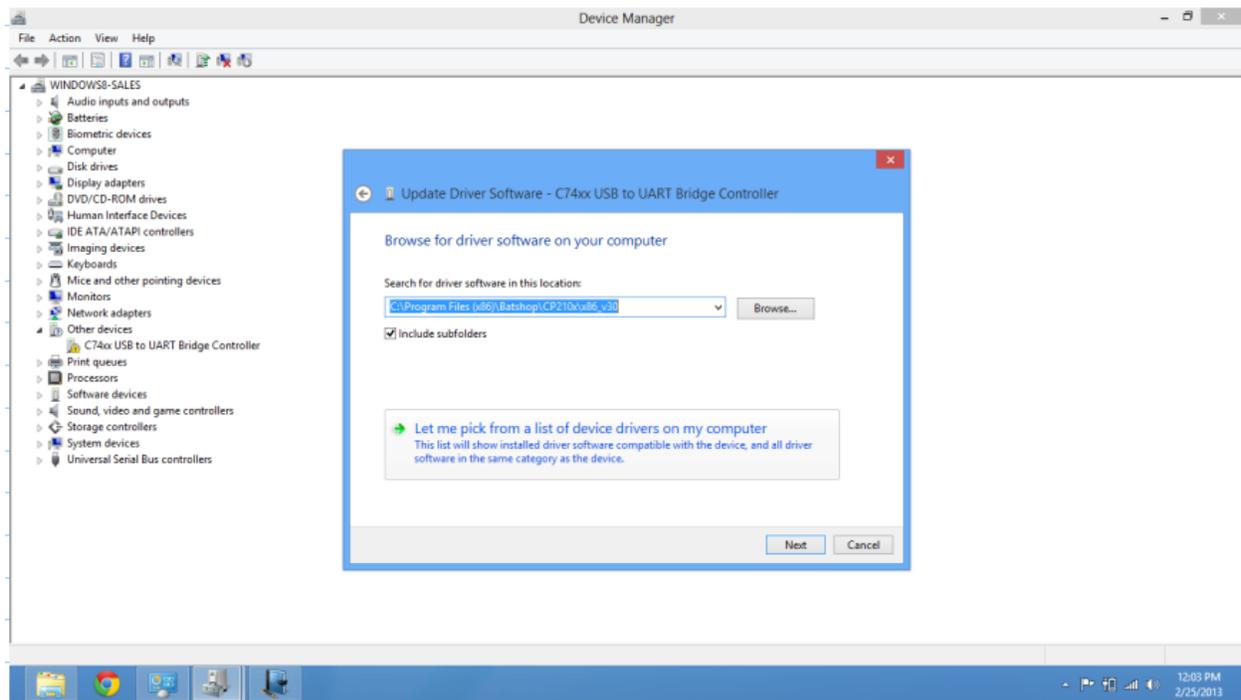
4. Find and right click on "C74xx USB to UART Bridge Controller" and select Update Driver Software.



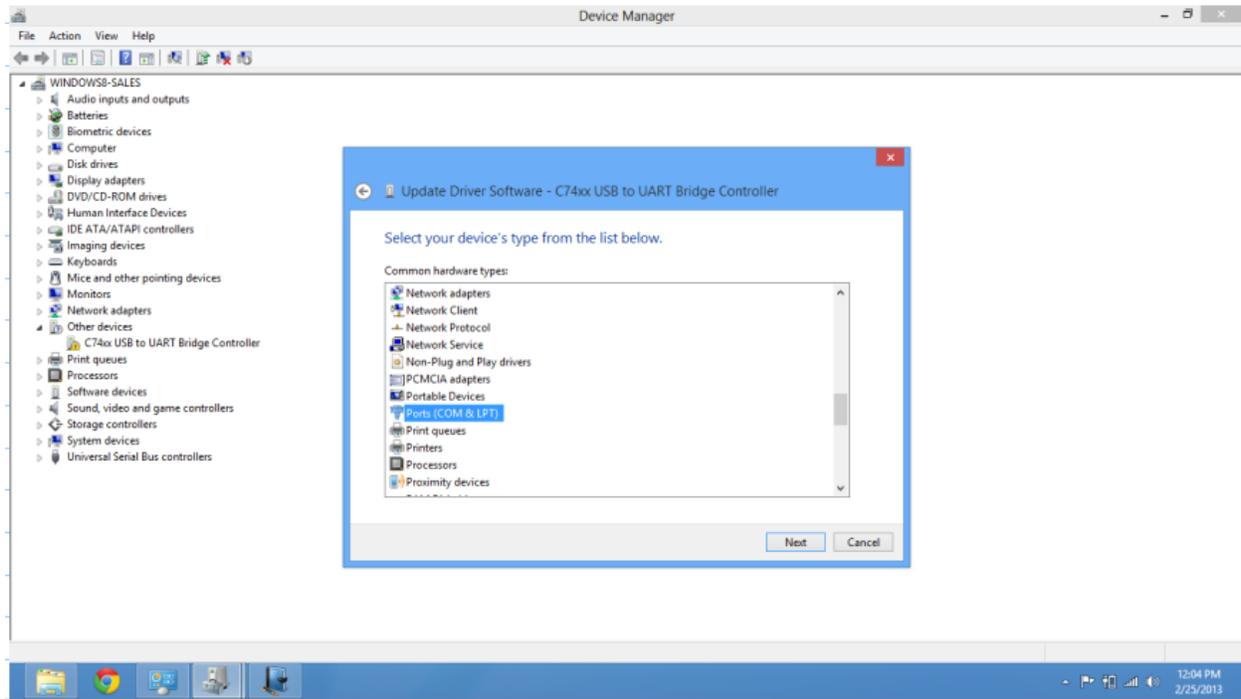
5. An Update Driver Software window will open up. Select "Browse my computer for driver software".



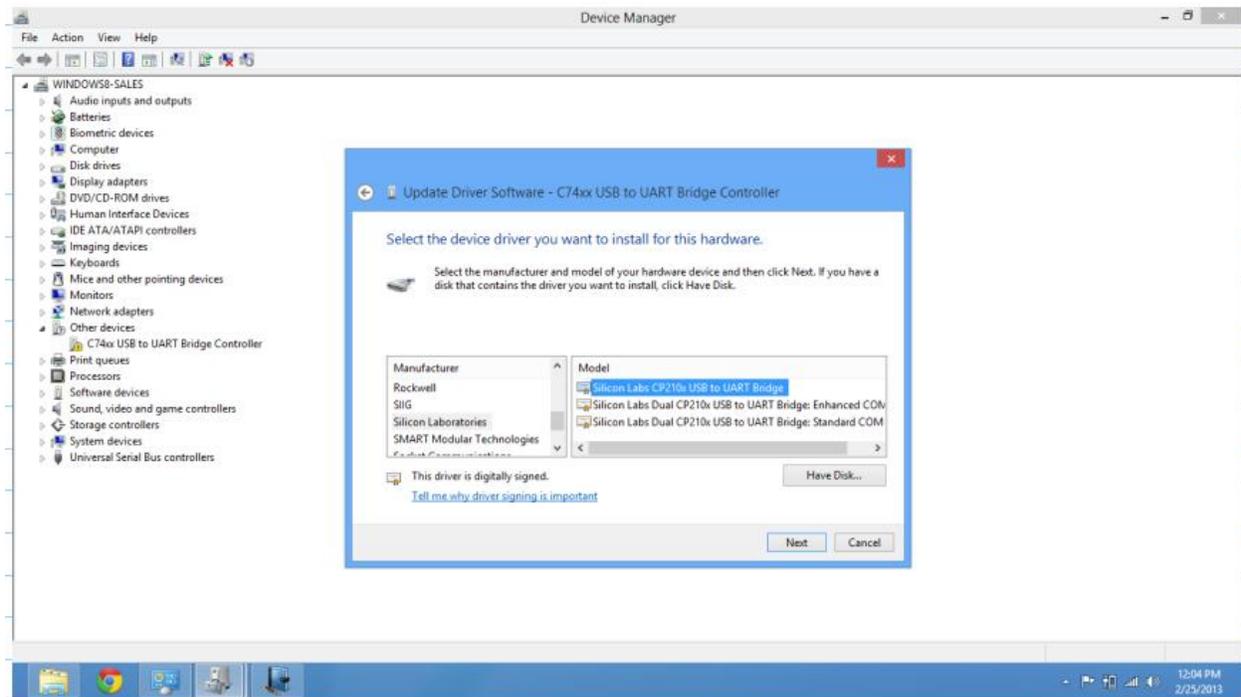
6. Select "Let me pick from a list of device drivers...".



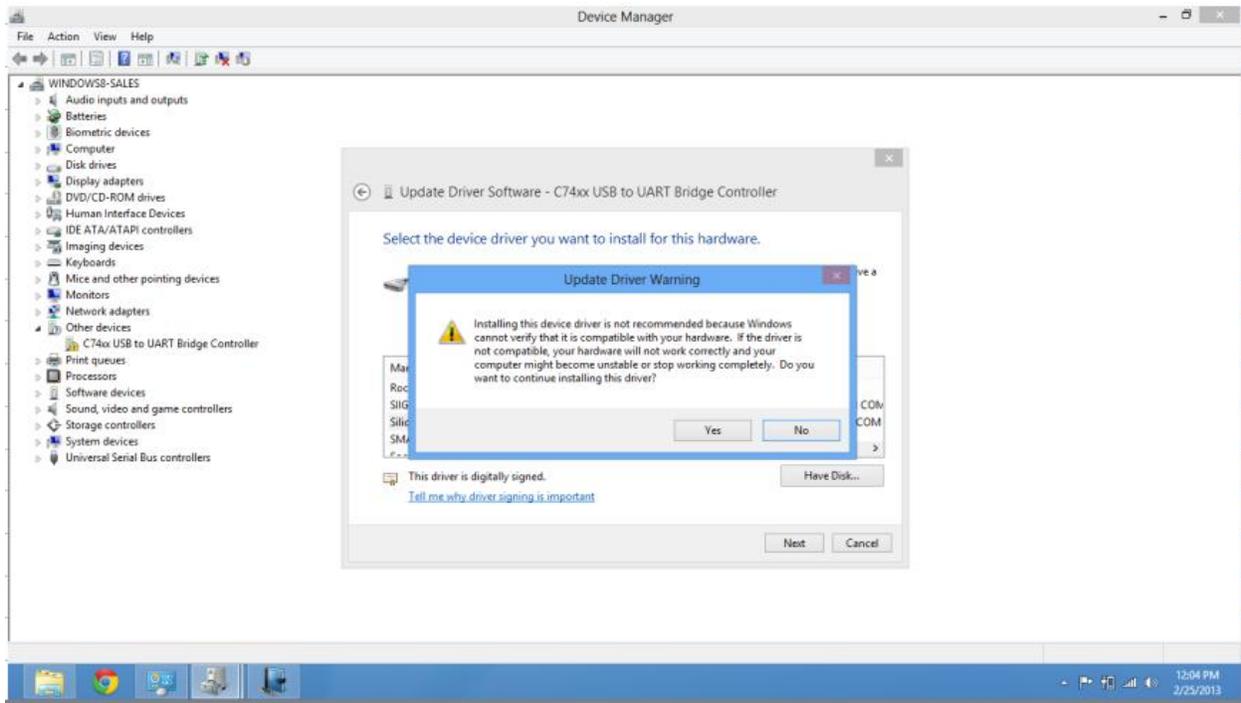
7. Scroll down to "Ports (COM & LPT)" and press Next.



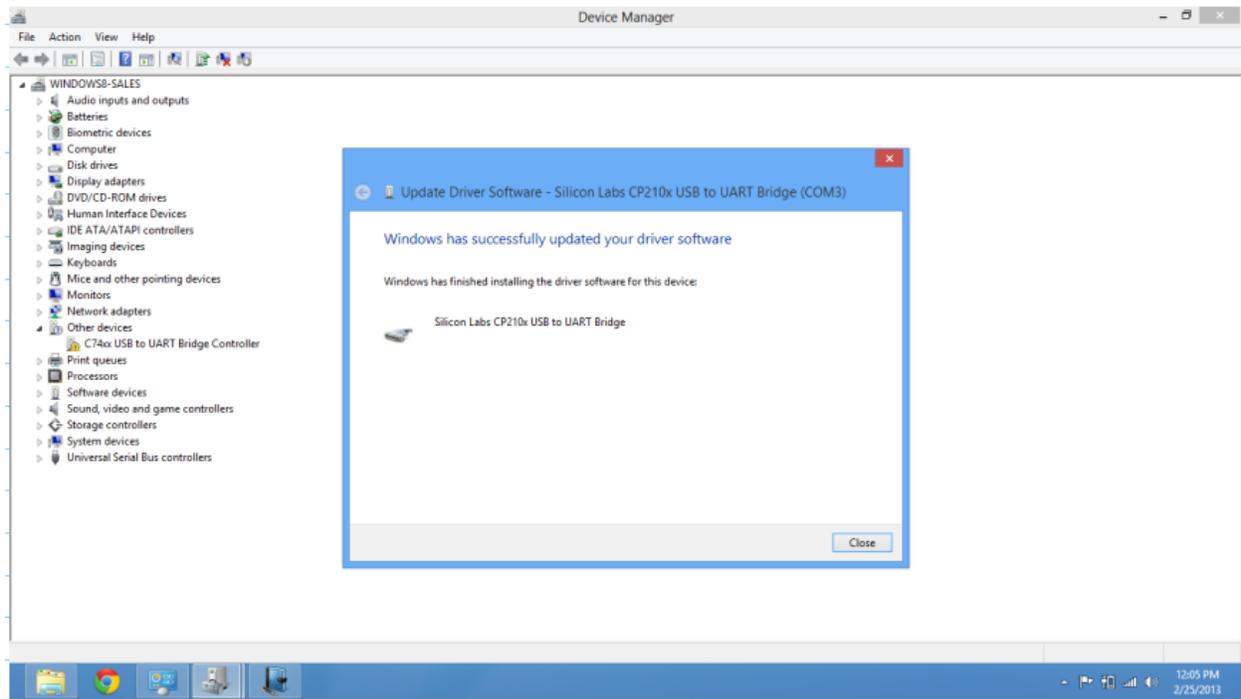
8. Under Manufacturer, scroll down and select "Silicon Laboratories" and select "Silicon Labs CP210x USB to UART Bridge" for the Model.



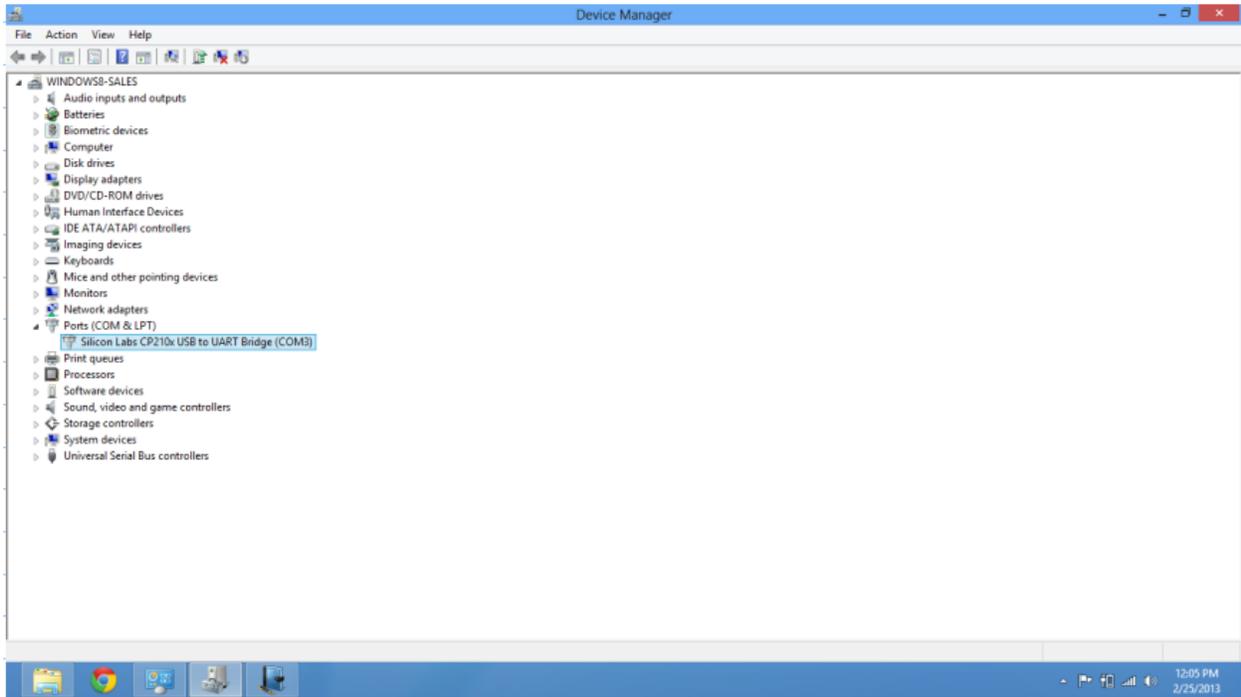
9. The system may come up with a warning window. Press Yes to proceed.



10. The system will assign that device to a Com number and give a close button.



11. Record the Com numbers assigned and follow the normal setup procedures for BatteryShop.



Cadex Firmware Upgrade Utility must be done via serial connection. Do not use through USB.

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