DIAMOND SYSTEMS CORPORATION

Poseidon Errata Sheet for Rev A SBCs

◆ Poseidon temperature specifications:
   Operating Temperature range--when the system is booted at 25°C:
      -10°C to 85°C
   Restart Temperature range--when the system is thermally soaked and
      power applied:
      0°C to 85°C -- Poseidon 1GHz version
      0°C to 65°C -- Poseidon 2GHz version

◆ The Poseidon CPU board does not power up reliably in <u>ATX bypass mode</u> when the
CMOS battery is not present.
   Workaround: Install the CMOS battery.

◆ The initial shipments of Poseidon 1.0GHz SBCs have 256MB of RAM. All future
Poseidon SBC shipments will have 512MB of RAM.

◆ AD IRQ does not work properly in Windows 2000 or XP.
   Workaround: Add a "dummy" device that uses the desired IRQ to the
      system. For example if using data acquisition on IRQ 5, first install a COM
      port that uses IRQ 5. The base address of the port can be set to a
      random unused I/O range for the dummy device. After that the DSCUD
      drivers will interact with the data acquisition on that IRQ.

      Step-by-step instructions are on the following pages.

- The first time you boot the Poseidon to a new Windows image you must follow these steps:

- Add a new device: Click on "Start," "Settings," then "Control Panel." Select "Add/Remove Hardware."
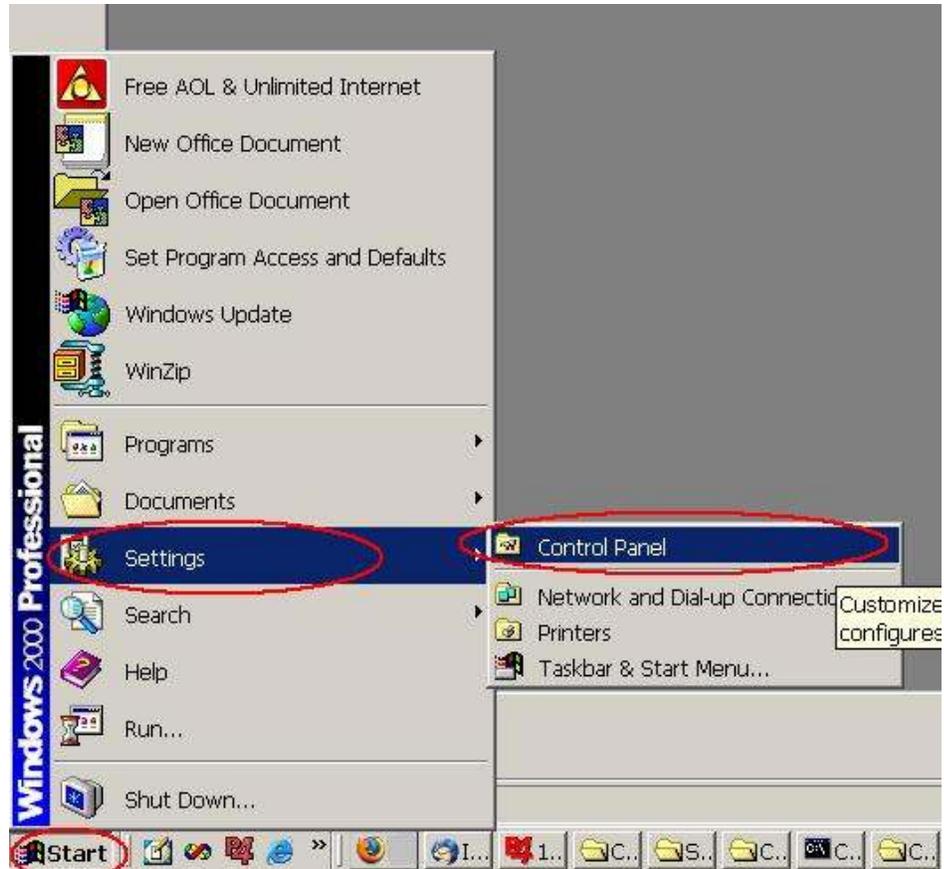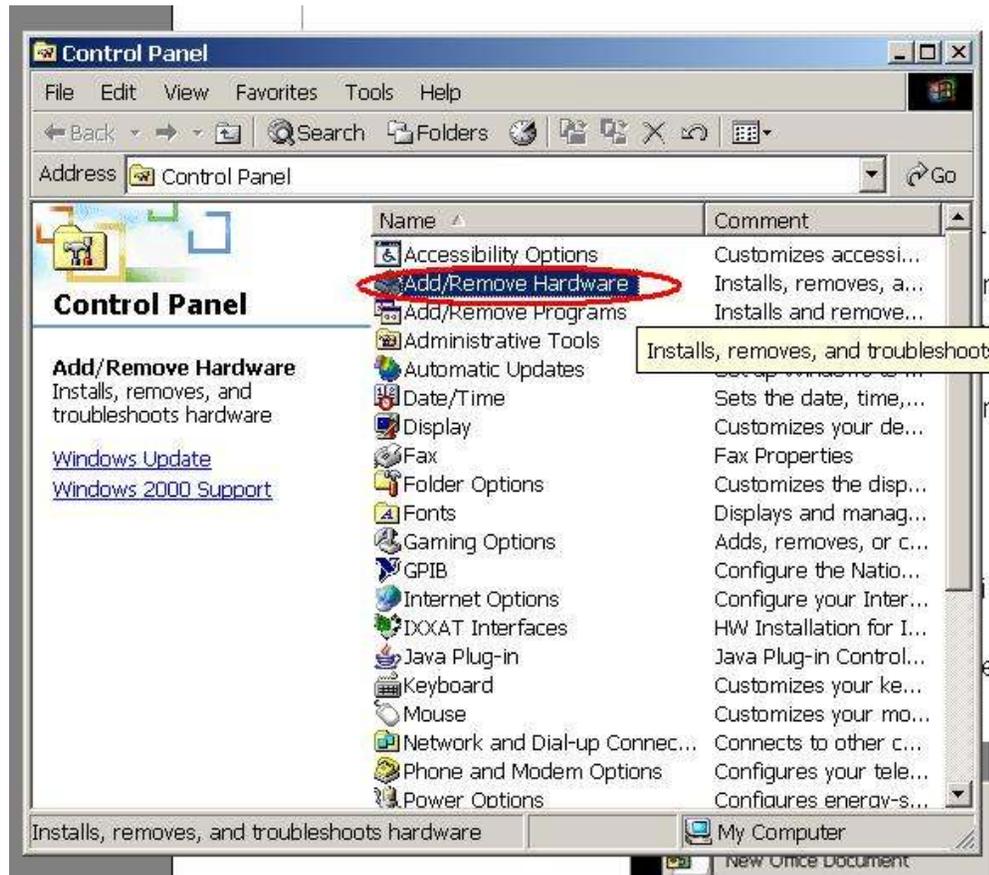
- After selecting "Add/Remove Hardware," a window will pop up. Select "Next," then select "Add/Troubleshoot a device."
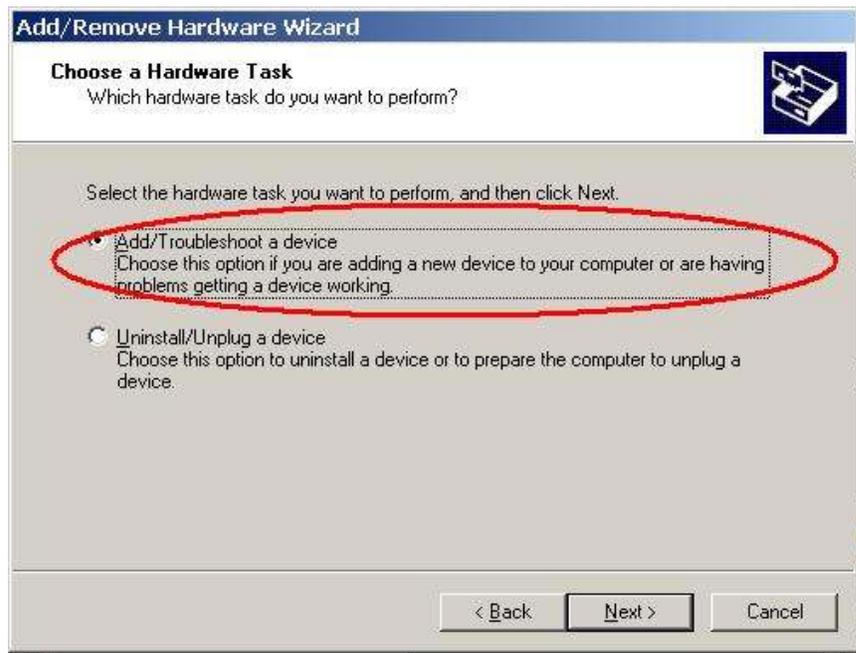
- Select "Next" and wait for the system to complete its search. Then select "Add a new device."

- Select "Next," then select "No, I want to select the hardware from list." Select "Next," then select "Ports [COM & LPT]."
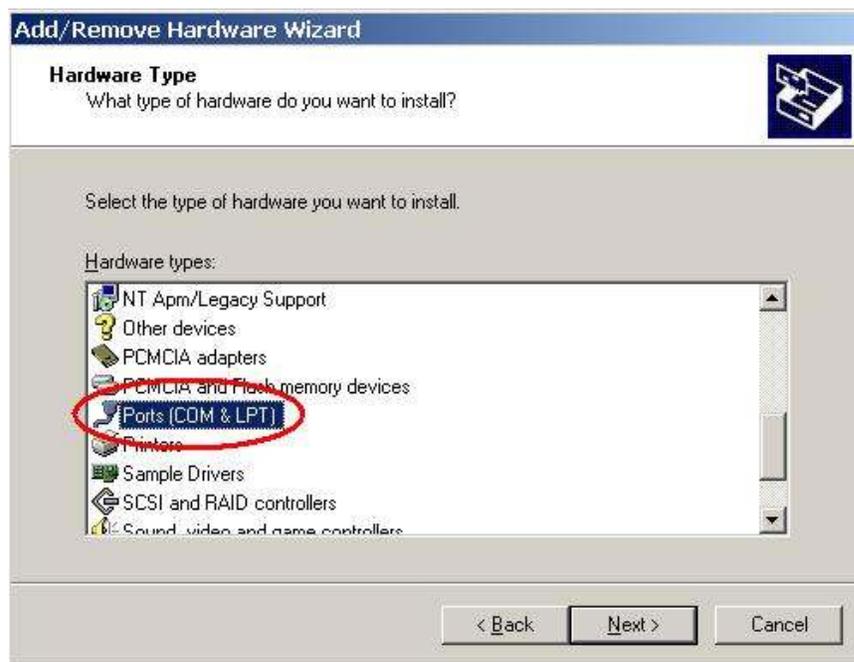
- Select "Next," then select "Standard port types" in the left window and select "Communications Port" in the right window.
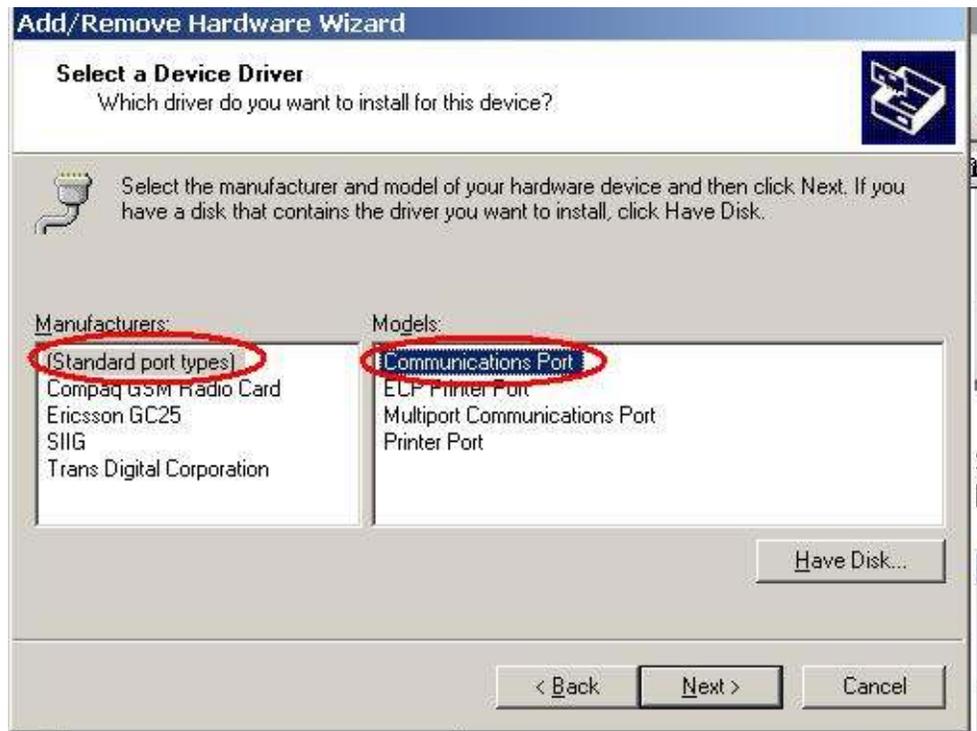
- Select "Next," this will take you to the resource window of the device. Select "Basic configuration 0008," then click on "Input/Output Range" and assign value of "0128-012F" or any free resource.

- Click on "Interrupt Request" and assign value of "05." This step is **CRITICAL!** An "Interrupt Request" a value of "05" must be assigned. The Data Acquisition Jumper on the Poseidon must also be set to IRQ 5.

- If the resource window did not appear, click on the device in the device manager again and assign the resources.
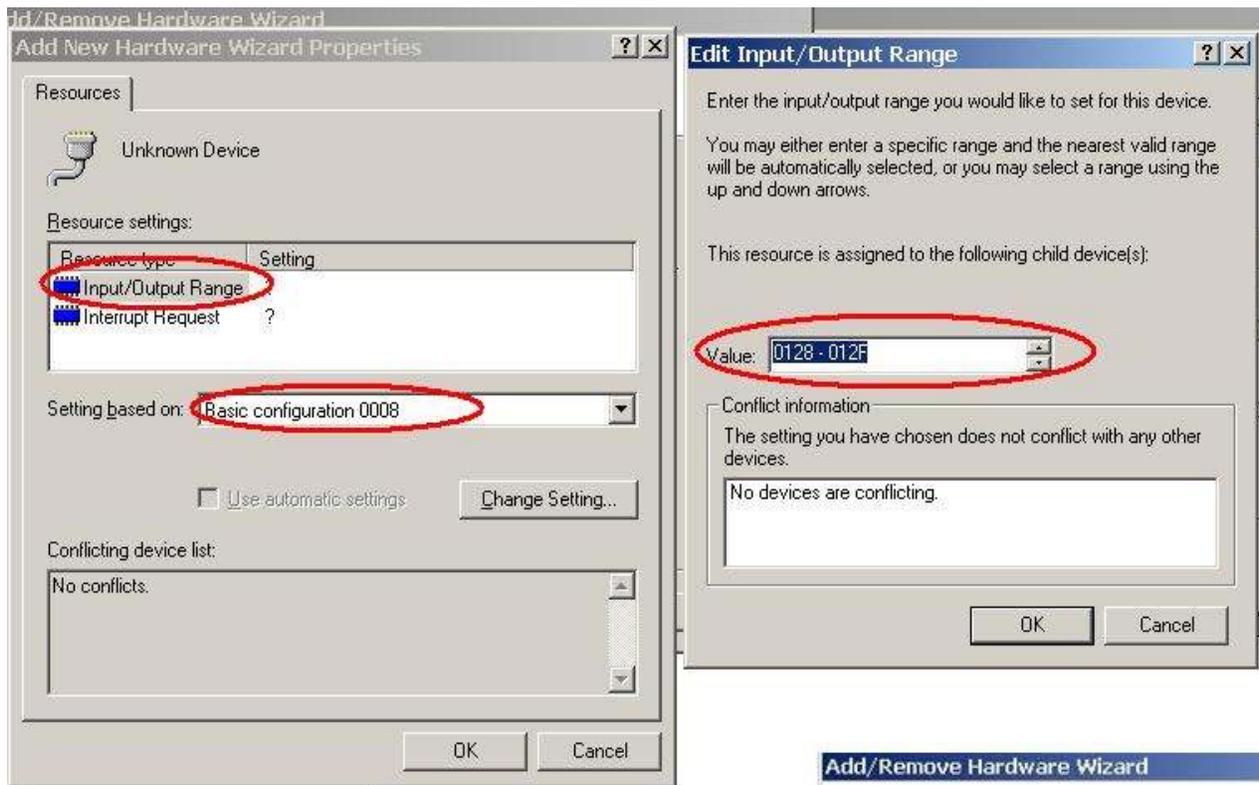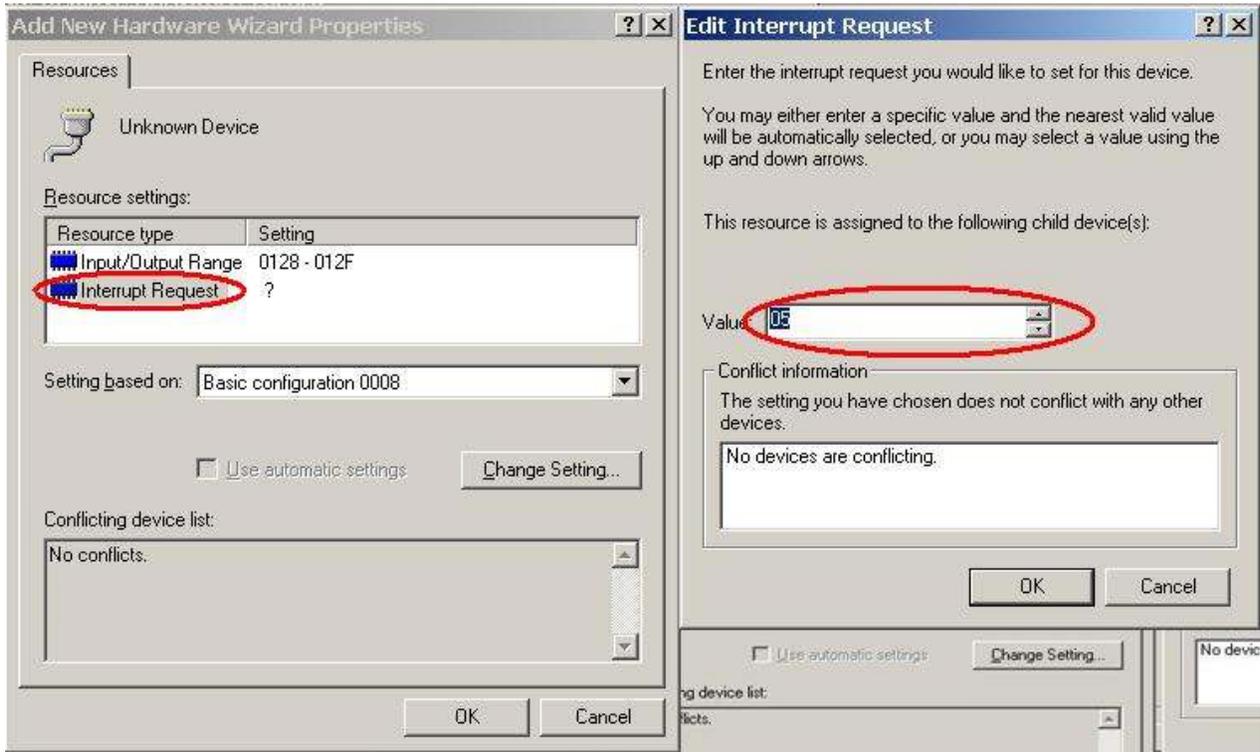
- Click "OK," then "Next" and finally "Finish," completing the addition of the device. If the system asks to perform a reboot, please reboot the system.