Installing Serial Ports from EMM8Plus on an SBC under Windows XP

1. Install the EMM-8Plus board on the PC104-*Plus* stack.
2. The EMM-8Plus board will be detected automatically as "Multi port serial adapter".
    Note: if there is a conflict between PCI devices ID on the stack, system will have problems booting up.
3. On the next screen (Fig 1) select [No, not this time], then click [next]
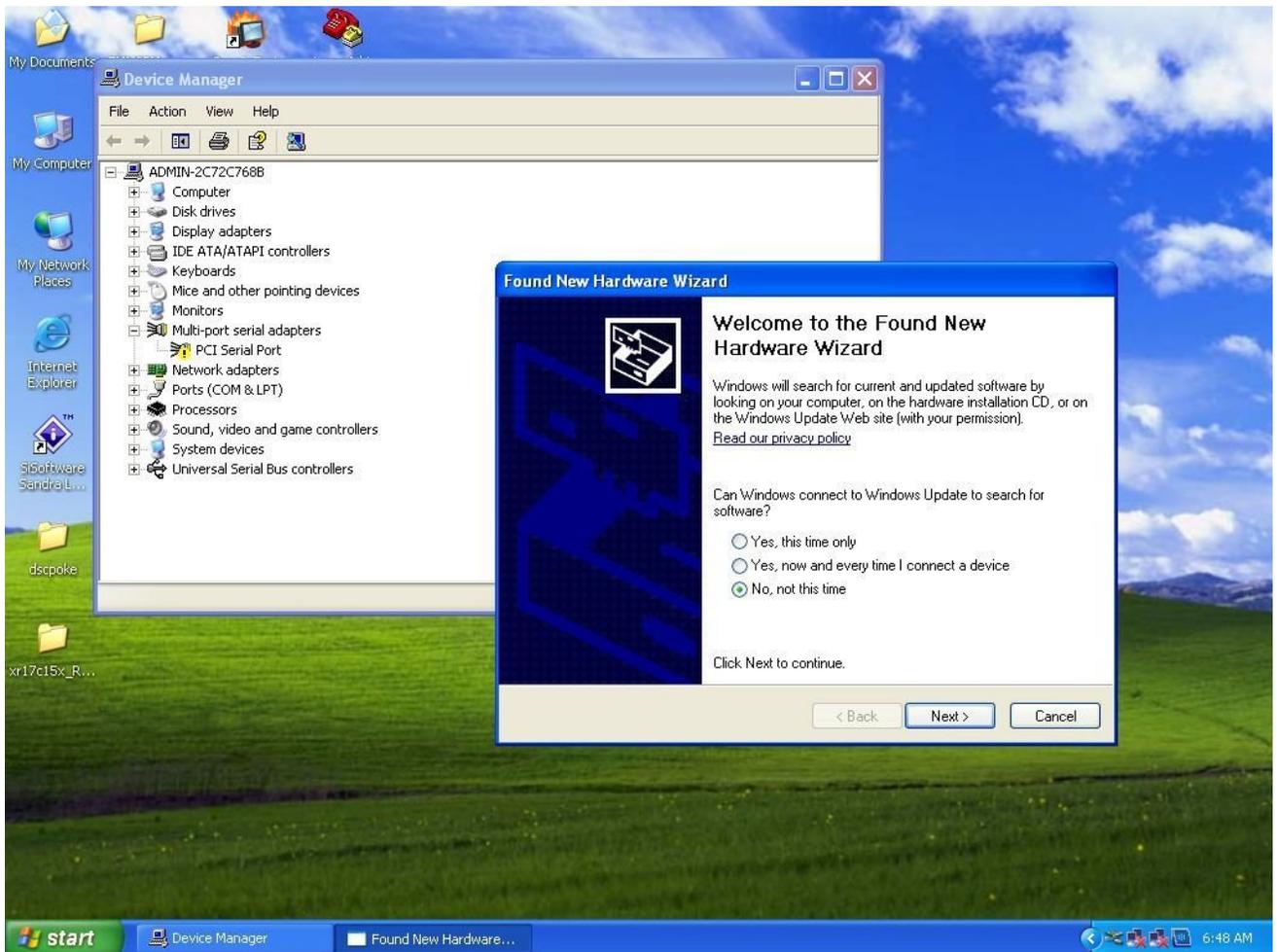
Fig 1

4. The EMM-8Plus will be recognized as an "OEM's 8-port UART PCI Card". Select the advanced option on the next screen (Fig 2).

Found New Hardware Wizard

This wizard helps you install software for:

OEM's 8-Port UART PCI Card

If your hardware came with an installation CD or floppy disk, insert it now.

What do you want the wizard to do?

○ Install the software automatically (Recommended)
◉ Install from a list or specific location (Advanced)

Click Next to continue.

[< Back] [Next >] [Cancel]
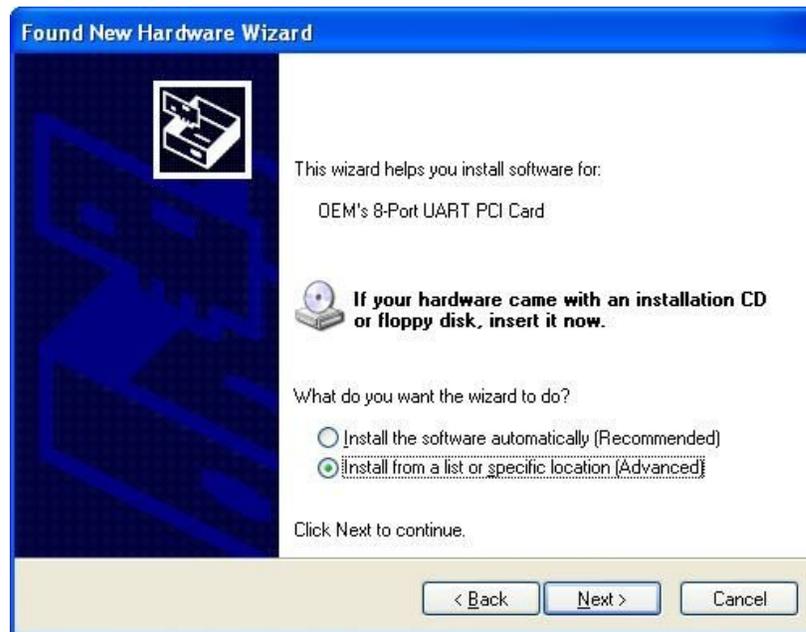
Fig 2

5. On the next screen give the path of the driver's location.(Fig3)
The driver folder should contain the following files:
- oemfreeport.inf
- ser15x.inf
- ser15x.sys
- xrpciports.dll

Found New Hardware Wizard

Please choose your search and installation options.

◉ Search for the best driver in these locations.

Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.

☐ Search removable media (floppy, CD-ROM...)
☑ Include this location in the search:

C:\EMM-8plus-Driver [Browse]

○ Don't search. I will choose the driver to install.

Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.

[< Back] [Next >] [Cancel]

Fig 3

6.This next step will install the UART driver , click on [Continue Anyway](Fig 4)
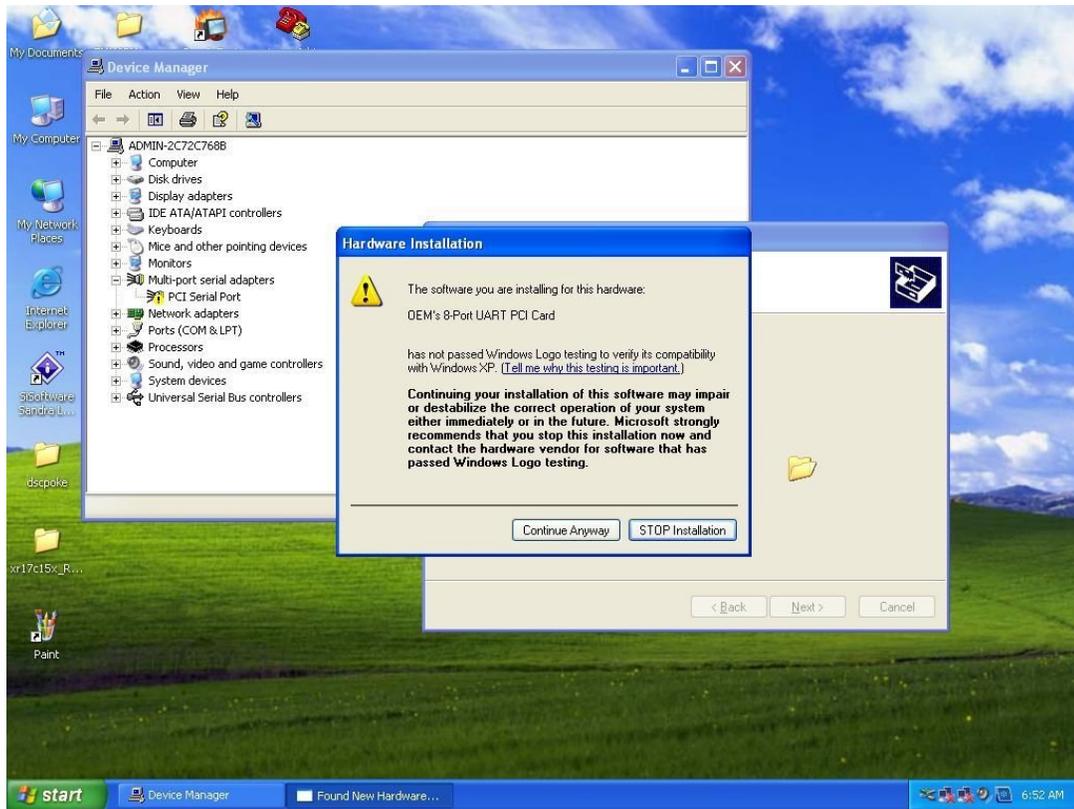
Fig 4

7.Click [finish] to complete the UART installation.(Fig 5)
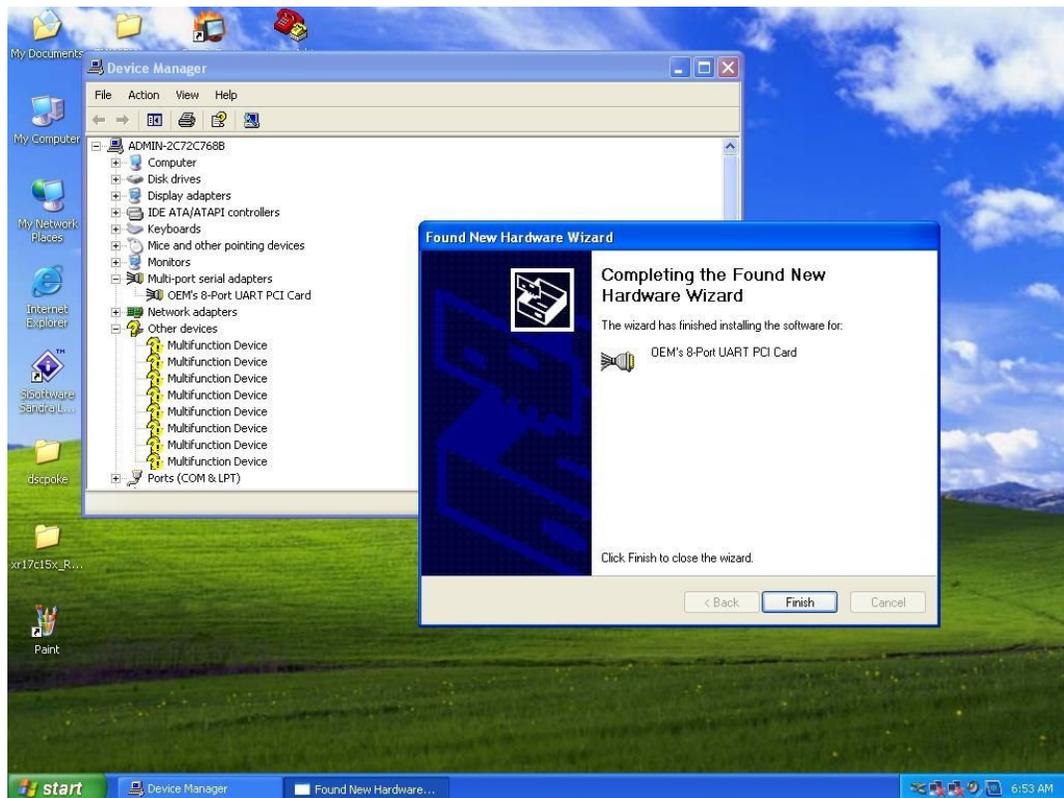
Fig 5

8. Now the OS will detect 8 serial ports which will show up in device manager, click [No, not on this time] (Fig 6)
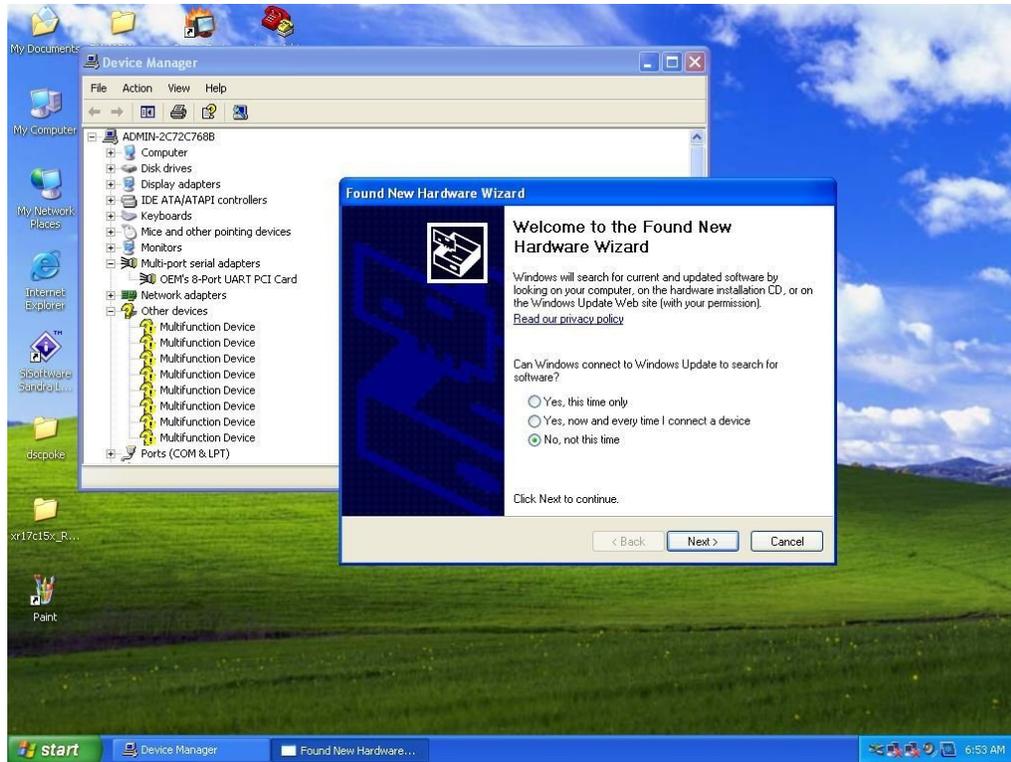
Fig 6

9. On the next screen the first port will be recognized as "OEM Communication Port". Select the Advanced option (Fig 7).

Fig 7

10. Then give the same path for the drivers (Fig 8).

Found New Hardware Wizard

Please choose your search and installation options.

⦿ Search for the best driver in these locations.

Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.

☐ Search removable media (floppy, CD-ROM...)

☑ Include this location in the search:

C:\EMM-8plus-Driver ▾ [Browse]

○ Don't search. I will choose the driver to install.

Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.

[< Back] [Next >] [Cancel]

Fig 8

11. On the next screen click[Continue any way](Fig 9).

Hardware Installation

⚠ The software you are installing for this hardware:

OEM Communications Port

has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)

Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.

[Continue Anyway] [STOP Installation]

Fig 9

12. The click [Finish] to complete the first serial port installation(Fig 10).
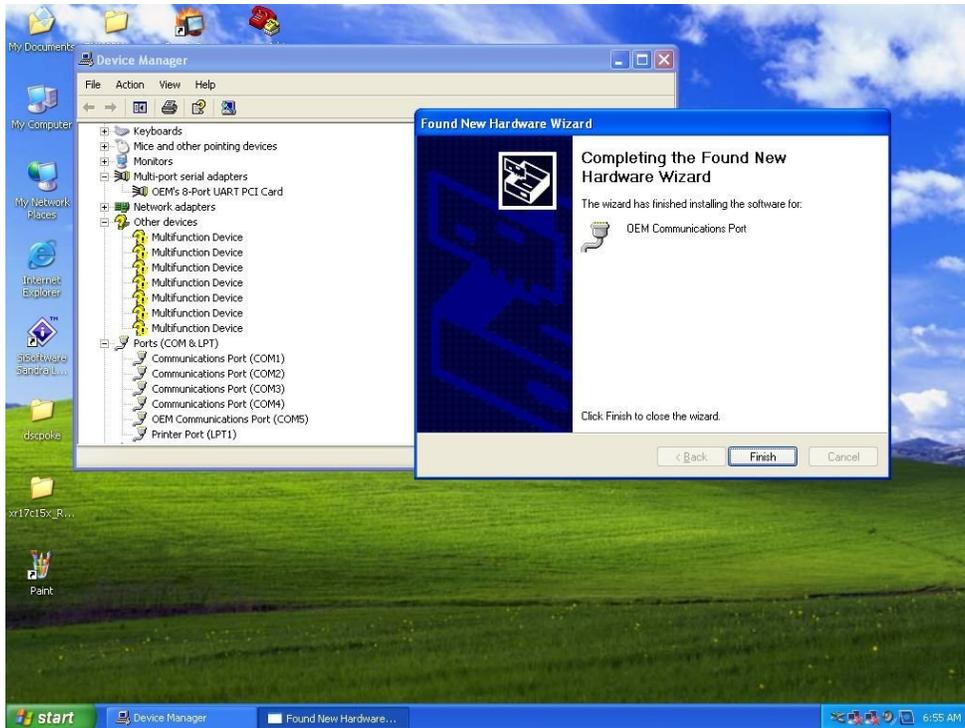
Fig 10

13. You will be asked seven more times to install all serial ports in the same way.

14. Users can change the protocol and port name through device manager and port properties.
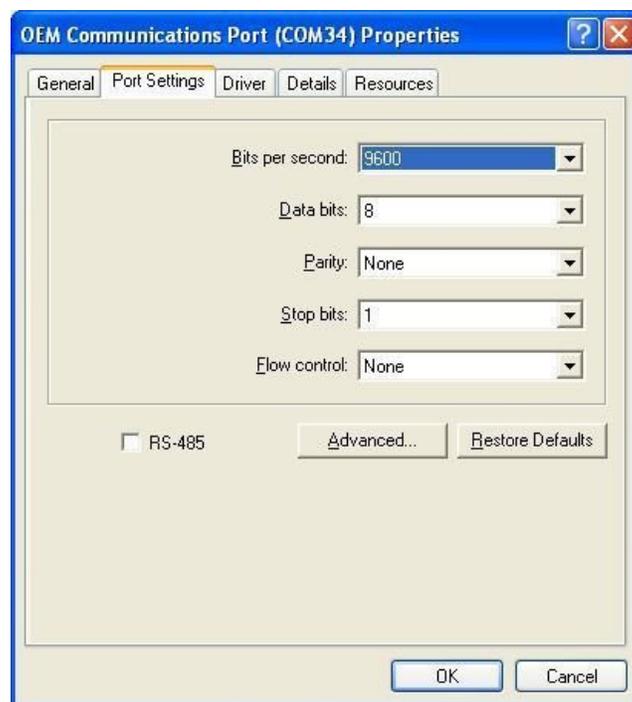
Fig 11
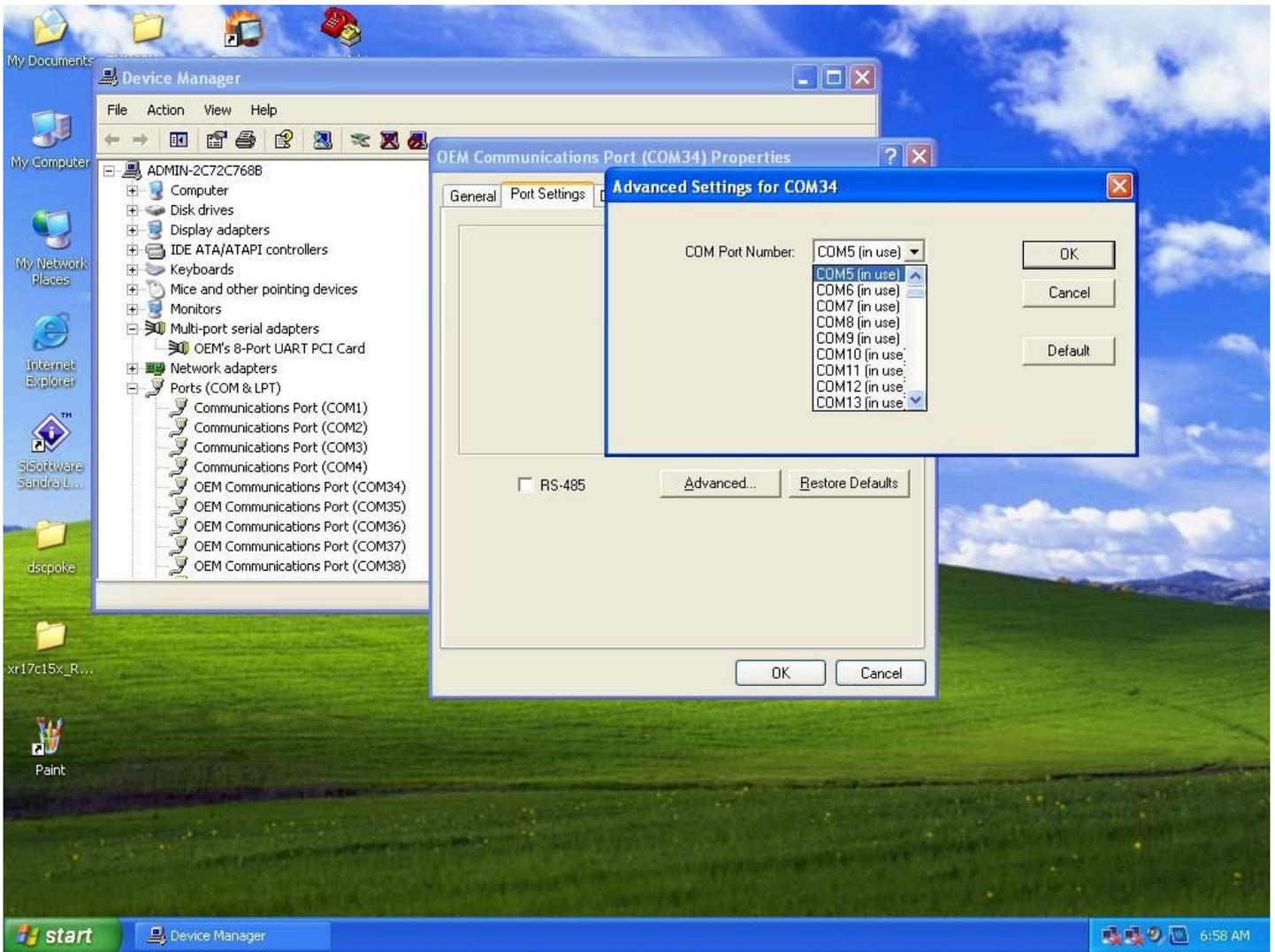
Fig 12

15. When you have done all port configurations , click [OK] then on the next message [yes]as shown on Fig 12 and 13.
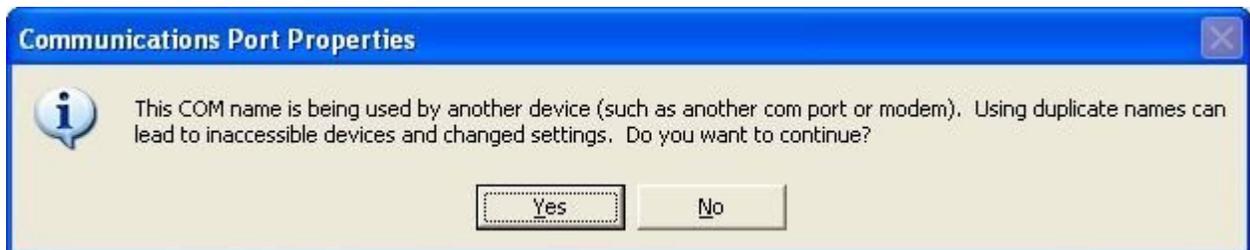
Fig 13

16. A system reboot will be needed to make the port settings effective.

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