In order to add a serial port manually in Windows XP, follow these steps:
(such as for the EMM-8P, EMM-4M, EMM-4-OPTO, etc. with ISA COM ports)

Select the following:

**Add Hardware Wizard**

Welcome to the Add Hardware Wizard

This wizard helps you:

- Install software to support the hardware you add to your computer.
- Troubleshoot problems you may be having with your hardware.

⚠️ If your hardware came with an installation CD, it is recommended that you click Cancel to close this wizard and use the manufacturer’s CD to install this hardware.

To continue, click Next.

that you already have it connected

**Add Hardware Wizard**

Is the hardware connected?

- Have you already connected this hardware to your computer?
  - Yes, I have already connected the hardware
  - No, I have not added the hardware yet

To continue, click Next.
add a new hardware device

Add Hardware Wizard

The following hardware is already installed on your computer

From the list below, select an installed hardware device, then click Next to check properties or troubleshoot a problem you might be having.

To add hardware not shown in the list, click "Add a new hardware device."

Installed hardware:

- USB Mass Storage Device
- Generic volume
- Generic volume
- Generic volume
- Generic volume
- Add a new hardware device

install hardware manually from a list

Add Hardware Wizard

The wizard can help you install other hardware

The wizard can search for other hardware and automatically install it for you. Or, if you know exactly which hardware model you want to install, you can select it from a list.

What do you want the wizard to do?

- Search for and install the hardware automatically (Recommended)
- Install the hardware that I manually select from a list (Advanced)
ports (COM port)

Add Hardware Wizard

From the list below, select the type of hardware you are installing.

If you do not see the hardware category you want, click Show All Devices.

Common hardware types:
- Modems
- Multi-port serial adapters
- Network adapters
- NT Apm/Legacy Support
- PCMCIA adapters
- PCMCIA and Flash memory devices
- Portable Devices
- Ports (COM & LPT)
- Printers

standard port types, communication port

Add Hardware Wizard

Select the device driver you want to install for this hardware.

Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.

Manufacturer
- (Standard port types)
  - Cyclades Corporation
  - Microsoft

Model
- Communications Port
- ECP Printer Port
- Multiport Communications Port
- Printer Port

This driver is digitally signed.
Tell me why driver signing is important

Have Disk...
Continue to press ‘Next’ until ‘Finish’ appears. It should add without complaint.
Then, go to Device Manager, find the new COM port, which may or may not have an 'exclamation' mark next to it, and go to Properties.

Go to the Resources tab.
Select settings based on configuration '8' to change the resources as you wish.
Select the base address and/or interrupt for the desired physical port.
Click Change Settings.

Make sure the base address does not conflict with other devices on your board, as Windows usually cannot automatically do this. Windows may be able to determine if an IRQ is conflicting, but even if it is not, you should always check your BIOS to make sure that your IRQ’s are either ‘reserved’ for use of your board, or ‘set for ISA use’.

Do the same for the rest of the ports you want to add.