

MSC-202A-V2

Installation Guide

1. Introduction

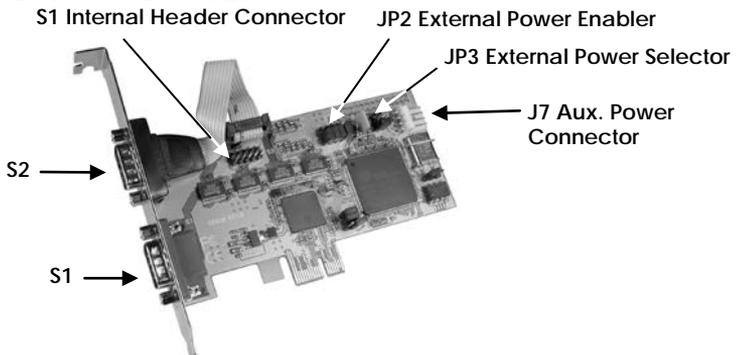
Congratulations on your purchasing this high performance PCI Express serial and parallel I/O adapter. The adapter is high speed PCI Express bus based and plug-and-play compliant. Its serial ports are fully 16C950 UART compatible with most of the RS232C devices available from the market.

The common features of the PCI Express I/O family as follows:

- ✓ Full x1 PCI Express Throughput, 250Mbytes/sec
- ✓ Works in 5V and 3.3V Tolerance Options
- ✓ Fully Compliant with PCI Express Base Specifications, Revision 1.0a
- ✓ 16C950 UARTs, Fully Compatible with 16C550, Baud Rate up to 921.6Kbps
- ✓ Low Profile PCI Express model available with different brackets
- ✓ Supports Win98/Me, NT, 2000, XP, Vista, 2003, & Windows 7

2. Board Layouts

Figure 2-1. 2S Model Board Layout



3. Jumper Settings

JP2- External Power Enabler: There are 4 jumpers that control the pin-9 signal of the 4 serial ports connectors (S1~S4) respectively. If the jumper(s) is at the “**DIS**” position (**factory default**), the pin-9 was connected with the RI signal as standard RS232 definition. If the jumper is at the “**PWR**” position, the pin-9 was connected with a power either from PCI Express slot or from Aux Power connector (J7). The power source is controlled by JP4 jumper (see the following section).

JP3- External Power Selector: The pin-9 of the serial port connector will be supplied with DC5V or DC12V. There are 3 sources depends on the jumper’s position of the JP4:

- **AUX5V:** DC5V, from J7, an optional power cable is required.
- **AUX15V:** DC12V, from J7, an optional power cable is required.
- **PCI12V (factory default):** DC12V, from PCI Express golden finger, no cable is required.

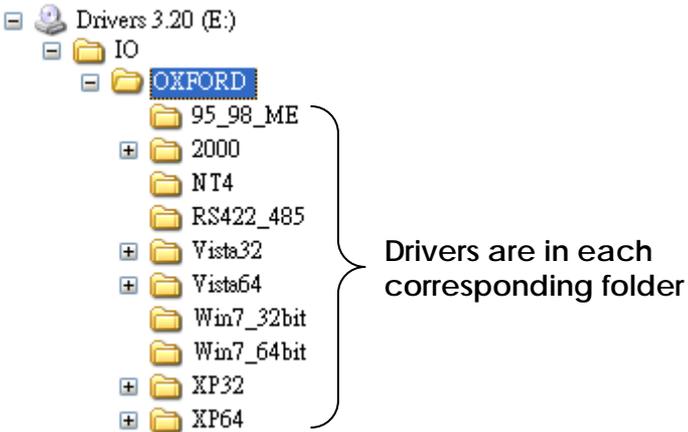
4. Installing the PCI Express I/O Adapter

1. Turn the system power OFF before installation!
2. Use static electricity discharge precautions.
3. Remove the chassis cover from your computer
4. Locate an unused PCI Express slot (typically white and smaller) and remove the corresponding slot cover from computer chassis.
5. Plug the I/O card to the unused PCI Express expansion slot and attached the I/O card bracket to the computer chassis screw.
6. Put the chassis cover back on the computer.
7. Turn ON the power of your computer and peripherals.
8. Proceed with Software Driver Installation.

5. Software Installation

Note:

PLEASE DO NOT LET WINDOWS AUTO SEARCH THE DRIVERS ON THE CD, it will cause problems because the INF files will be conflict in this case. Instead, please browse to the correct location (folder) manually to make sure the correct drivers are chosen and installed correctly.



Note: Windows NT driver Installations

To install the Windows NT driver, please go into WinNT4 sub-directory and run (double click) **Install_Serial.exe** to install all Serial Port Drivers.

Installing Windows Drivers:

- When the system is powered, Windows will invoke Windows' New Hardware Wizard. Click " **Next** " to continue, select " **Install from a list or specific location (Advanced)** " and click " **Next** " .
- Select " **Include this location in the search** " then click " **Browse** " to specify the driver's location for your Windows (for example, XP is E:\IO\OXFORD\XP32) and click " **Next** " to continue.

3. Click **Next** to continue, and click **Finish** to complete the installation.
4. To check the Installation, right click on **My Computer** and choose **Manage**. Choose **Device Manager** and double click **Ports**.