

MSC-202AL/ALP

Installation Guide

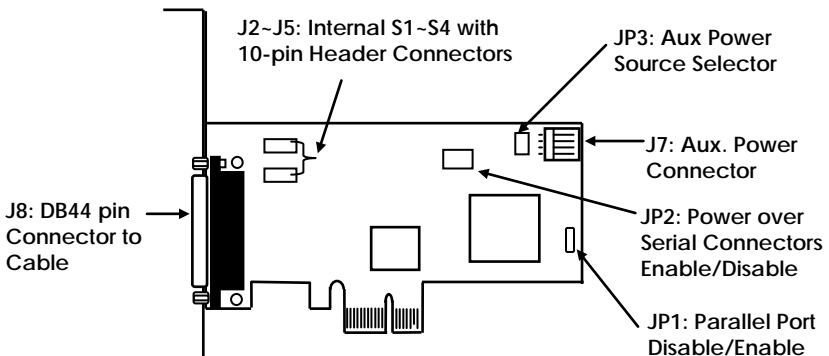
1. Introduction

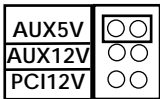
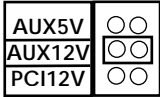
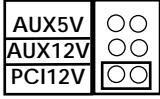
Congratulation on your purchasing this high performance PCI Express Multi Serial I/O adapter. The adapter is high speed PCI Express bus based and plug-and-play compliant. Its serial ports are fully 16C950 UART compatible with most of the RS232C devices available from the market.

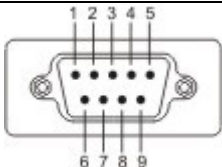
Features:

- ✓ Full x1 PCI Express Throughput, 250Mbytes/sec
- ✓ Fully Compliant with PCI Express Base Specifications, Revision 1.0a
- ✓ 16C950 UARTs, Fully Compatible with 16C550, Baud Rate up to 921.6Kbps
- ✓ Multi-mode compatible (SPP, EPP, ECP) (for 2S1P and 4S1P models only)
- ✓ Low Profile PCI Express model available with different brackets
- ✓ Supports Win98/Me, NT, Windows 2000 and XP, 2003 and Vista

2. Layout




JP3 External Power Selector (Pin 9)	Settings
Power source is +5VDC, from J7 AUX power connector.	
Power source is +12VDC, from J7 AUX power connector.	
Power source is +12VDC, from PCI Express golden finger (motherboard's PCIe slot).	 (default)

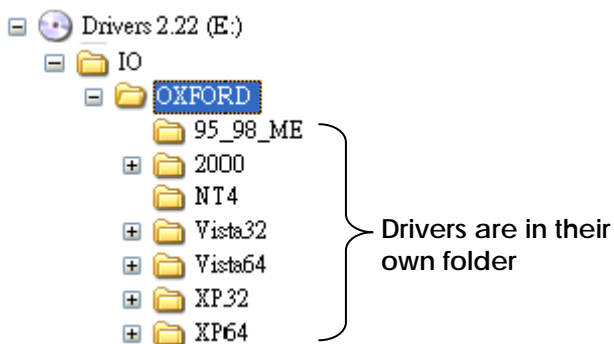
DB9-Male Pin Assignments		
1. DCD 2. RXD 3. TXD 4. DTR 5. SG (Signal Ground)	6. DSR 7. RTS 8. CTS 9. Power	

3. Installing the PCI Express I/O Card

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. Installing the DB44 cable to the PCIe Card. Connect the cables for serial ports.
7. Put the chassis cover back on the computer.
8. Turn ON the power of your computer and peripherals.
9. Proceed with Software Driver Installation.

4. Serial Port Driver Installation for Win2000/XP

 **Note:** The drivers for Windows are shipped in the following folder of the driver CD. **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.



1. When the PCI Card was inserted, it will invoke Windows' New Hardware Wizard. Click " **Next** " to continue, select " **Install from a list or specific location (Advanced)** " and click " **Next** " .
2. Select " **Include this location in the search** " then click " **Browse** " to specify the driver's location (e.g. **E:\IO\OXFORD\XP32 for Winodws XP, 32-bit**) 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** " .
5. Choose the COM port properties as the following figure, select " **Data rate** " , if the Crystal Frequency is 1.8432MHZ, then your installation is finished. If it is other frequency (e.g. 14.7456MHZ), click " **Detect Crystal Frequency** "
6. The " **Crystal Frequency** " settings will be set to " **1.8432MHZ** " , then click " **OK** " , **repeat above steps for the other COM ports if your PCI Card has multi serial ports.**
7. The settings will be saved by Windows. You don't need to configure it again whenever you restart the system