MSC-104A1

4-Ports RS232 Industrial Universal PCI Multiport Serial Card

Installation Guide

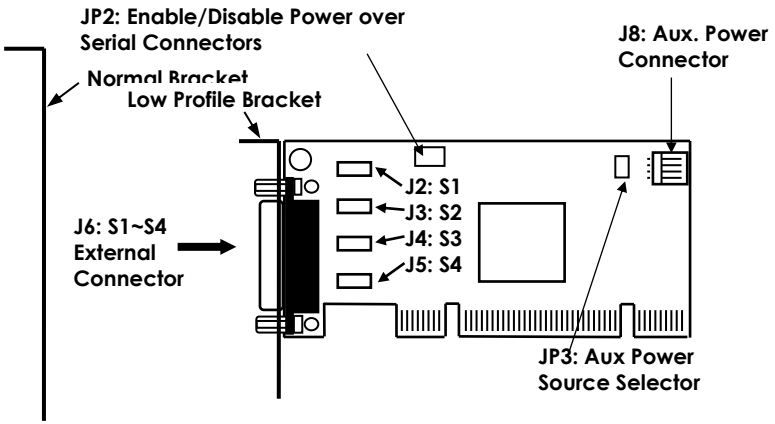
1. Introduction

Thank you for purchasing Antaira MSC-104A1 – 4-Ports RS232 Industrial Universal PCI Multiport Serial Card. MSC-104A1is high speed PCI bus based and plug-and-play compliant. Its serial ports are 16C950 UART compatible with most of the RS232C devices available on the market.

Features:

- ✓ Full PCI 32-bit 133Mbytes/sec Transfer Speed
- ✓ Compliant with PCI Specifications, Revision 3.0
- ✓ 16C950 UARTs, Fully Compatible with 16C550, Baud Rate up to 115.2Kbps (Optional model for 921.6Kbps available upon request)
- ✓ Supports 4S RS232 over one single PCI slot.
- ✓ Supports Win98/Me, NT, Windows 2000 and XP and Linux

2. Board Layout



3. Jumper Settings

JP2- External Power Enabler: There are 4 jumpers that control the pin-9 signal of the 4 serial port DB9 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 slot or from Aux Power connector (J8). The power source is controlled by JP3 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 depending on the jumper's position of the JP3:

- **AUX5V:** DC5V, from J8, an optional power cable is required.
- **AUX15V:** DC12V, from J8, an optional power cable is required.
- **PCI12V (factory default):** DC12V, from PCI golden finger, no cable is required.

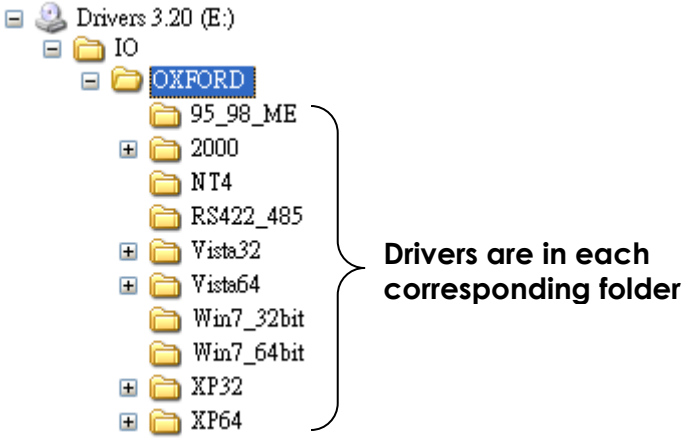
4. Installing the PCI I/O Adapter

1. **Turn the system power OFF before installation!**
2. **Remove the chassis cover from your computer**
3. **Locate an unused PCI slot and remove the corresponding slot cover from computer chassis.**
4. **Plug the I/O card to the unused PCI expansion slot and attach the I/O card bracket to the computer chassis screw.**
5. **Install the DB25-femal flat cable to the card and the bracket to the computer rear chassis.**
6. **Install the supplied DB44-to-4XDB9 octopus cable with one end to MSC-104A1 and the other DB9 connectors to the serial devices.**
7. **Put the chassis cover back on the computer.**

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 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 the WinNT4 sub-directory and run (double click) **Install_Serial.exe** to install all Serial Port Drivers.

Installing Windows Drivers:

1. 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**〞.
2. 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**〞.