

# 2S RS232 Multi Serial PCI Card

## Installation Guide

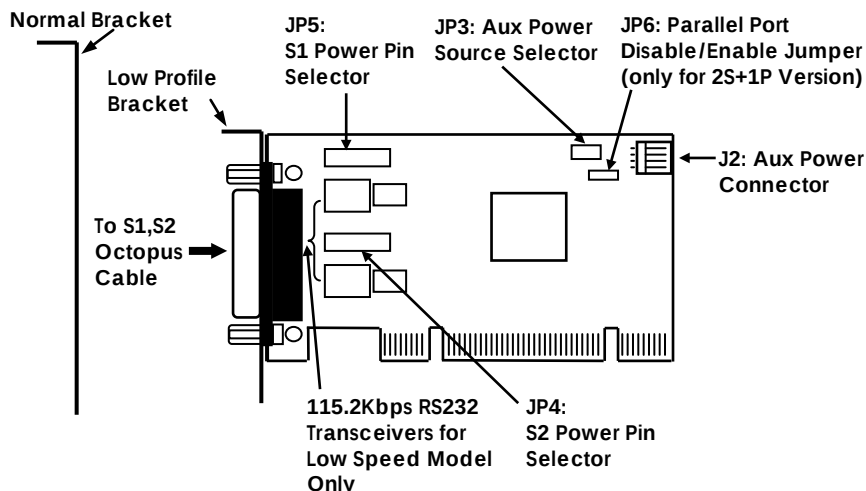
### 1. Introduction

Congratulations on purchasing this high performance PCI multi serial card. The card is high speed PCI bus based and plug-and-play compliant. Its serial ports are fully 16C950 UART compatible with most of the RS232C devices available in the market.

#### Features:

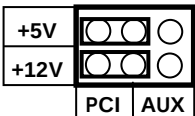
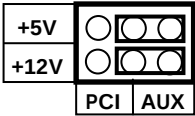
- ✓ Full PCI 32-bit 133Mbytes/sec Transfer Speed
- ✓ Fully Compliant with PCI Specifications, Revision 3.0
- ✓ 16C950 UARTs, Fully Compatible with 16C550, Baud Rate up to 115.2Kbps
- ✓ Supports 2S RS232 with a DB44 Octopus Cable over one single PCI slot.
- ✓ Supports Win98/Me, NT, Windows 2000, XP, Vista, Win 7 and Linux

### 2. Board Layout



### 3. Jumper Settings

- **J2:** Aux power connector, it can be connected to standard power supply to provide +5V or +12V power to both DB9 connectors.
- **JP3:** Power Source Selector for DB9 connectors, it is used to select where is the device power source of +5V and +12V will come from, from PCI golden fingers or from J2 power connector.

| JP3                                                                               | Description                                           |
|-----------------------------------------------------------------------------------|-------------------------------------------------------|
|  | Both +5V and 12V are supplied from PCI slot (Default) |
|  | Both +5V and +12V are supplied from J2                |

- **JP5: S1 Power Pin Selector (for Port 1 DB9 connector)**  
**JP4: S2 Power Pin Selector (for Port 2 DB9 connector)**

The 2 jumpers are used to supply +5V or +12V to designated pin of the DB9 connectors (JP5 for S1 and JP4 for S2). The factory default settings are set at "DIS" location (no power supplied to the DB9 connectors). The power can be wired to pin 1, 4, 8, or 9. To set this jumper, locate the column where with pin number printed (PIN1, 4, 8 or 9), move the jumper from DIS position to +5V or +12V position. If the jumper is set at "+5V" position, then +5V will be wired to the designated pin. If the jumper is set at "+12V", then +12V will be wired to the designated pin number shown above the column.

**Default:** All jumpers are at “DIS” positions, no power supplied to DB9 connector

| PIN1 | PIN4 | PIN8 | PIN9 |      |
|------|------|------|------|------|
| ○ ○  | ○ ○  | ○ ○  | ○ ○  | +5V  |
| ○ ○  | ○ ○  | ○ ○  | ○ ○  | +12V |
| ○ ○  | ○ ○  | ○ ○  | ○ ○  | DIS  |

**Example:** If you want to supply +12V over pin 9 of the external DB9 connectors. Here is the jumper position for you.

| PIN1 | PIN4 | PIN8 | PIN9 |      |
|------|------|------|------|------|
| ○ ○  | ○ ○  | ○ ○  | ○ ○  | +5V  |
| ○ ○  | ○ ○  | ○ ○  | ○ ○  | +12V |
| ○ ○  | ○ ○  | ○ ○  | ○ ○  | DIS  |

Pin 9 has +12V power

Pin 1, 4, 8 are set at “DIS”, so they won’t have power

## 4. Installing the PCI I/O Adapter

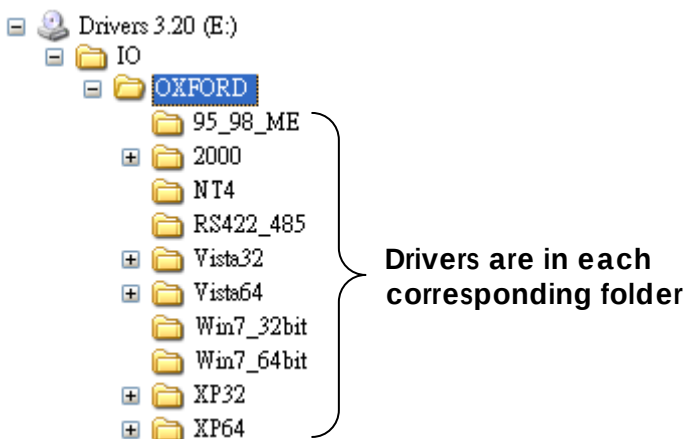
1. Turn the system power OFF before installation!
2. Remove the chassis cover from your computer
3. Locate an unused PCI slot and remove the corresponding slot cover from computer chassis.
4. Plug the I/O card to the unused PCI expansion slot and attached the I/O card bracket to the computer chassis screw.
5. Put the chassis cover back on the computer.
6. Install the DB44M-to-DB9Mx2 Octopus Cable.
7. Install the serial devices to the male DB9 connectors of Octopus Cable with the correct wired RS232 cables.

## 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:

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** ` .

