DP CyberSerial 2S PCI
Quick Installation Guide

Introduction

The *DP CyberSerial 2S PCI* high-speed serial I/O card provides two additional 9-pin RS-232 serial ports.

Features and Benefits

- Universal PCI card design that works in 32-/64-bit, 3.3V/5V PCI and PCI-X slots
- Full support for Windows-based software
- Reduces CPU load and improves system performance dramatically
- IRQ sharing feature reduces IRQ conflicts
- High-speed serial port (9-pin) works with 56K V.90 external modems, ISDN terminal adapters, PDAs, digital cameras, label printers and other serial port devices
- Provides two RS-232 serial ports
- Each serial port can be configured for either 5V or 12V output, for serial devices that require power

System Requirements

- Pentium®or equivalent computer with an available PCI slot
- Windows® 8 (32-/64-bit) / 7 (32-/64-bit) / Vista (32-/64-bit) / XP (32-/64-bit) / Server 2003 & 2008 (32-/64-bit) / Server 2008 R2 / 2000 / ME / 98SE / 98 / 95

Package Contents

- *DP CyberSerial 2S PCI* board
- 2-port fan-out cable
- Spare Low profile bracket
- Driver CD
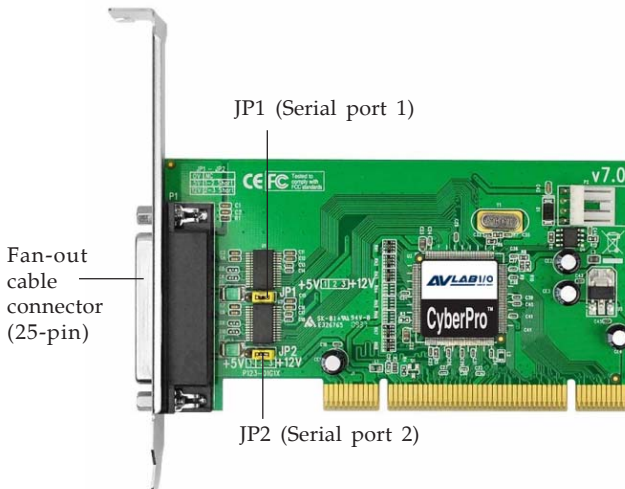- Quick installation guide

Layout

JP1 (Serial port 1)

Fan-out cable connector (25-pin)

JP2 (Serial port 2)

Figure 1: Layout

Jumper Settings (JP1, JP2)

Open = 0 volts (default)

Short 1-2 = 5V

Short 2-3 = 12V

> **Note:** Most serial devices do not require additional power through the serial port. Refer to your serial device's manual for more information.
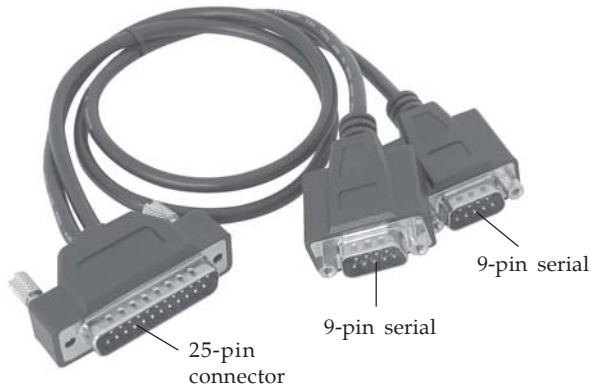
2-Port Fan-out Cable

Figure 2: 2-port Fan-out Cable

Hardware Installation

General instructions for installing the card are provided below. Since the design of computer cases and motherboards vary, refer to your computer's reference manual for further information, if needed.

Static Electricity Discharge may permanently damage your system. Discharge any static electricity build up in your body by touching your computer's case for a few seconds. Avoid any contact with internal parts and handle cards only by their external edges.

For low profile systems, remove the standard height bracket and install the spare low profile bracket now.

1. Turn OFF the power to your computer and any other connected peripheral devices.
2. Unplug the power cord from the back of the computer.
3. Remove your computer's cover.
4. Remove the slot bracket from an available PCI slot.

5. Set **JP1** and **JP2** jumper settings to the desired voltage only if your serial device needs additional power from the serial port. However, most serial devices do not require additional power. For more information see **Figure 1** on page **2**. The jumpers can be removed if power is not required.

6. To install the card, carefully align the card's bus connector with the selected PCI slot on the motherboard. Push the board down firmly, but gently, until it is well seated.

7. Replace the slot bracket holding screw to secure the card.

8. Replace the computer cover and reconnect the power cord.

9. Connect the **2-port fan-out cable** to the board's **25-pin connector**. See **Figure 2** on page **3** for more details.

Driver Installation

Make sure the board is installed into the computer before proceeding.

Windows 8 (32-/64-bit) / 7 (32-/64-bit) / Server 2008 R2

1. Insert the driver CD. Close the CD autoplay box if prompted.

2. Right click **Computer**, click **Manage**, click **Device Manager**.

3. Right click **PCI Serial Port** under Other devices, click **Update Driver Software**, then click **Browse my computer for driver software**.

4. Type **D:**, then click **Next**. (Change **D:** to match your CD/DVD-ROM drive letter)

5. At Windows has successfully updated your driver software, click **Close**.

6 Go back to Device Manager, right click **CyberSerial Communication Port** under Other devices, click **Update Driver Software**.

7. Type **D:**, then click **Next**. (Change **D:** to match your CD/DVD-ROM drive letter)

8. At Windows has successfully updated your driver software, click **Close**.

9. Repeat steps 6-8.

10. Go back to Device Manager, right click **PCI Device** under Other devices, click **Update Driver Software**.

11. Repeat steps 7-8.

12. Restart Windows to complete the installation.

Windows Vista (32-/64-bit) / Server 2008 (32-/64-bit)

1. Insert the driver CD. Close the CD autoplay box if prompted.

2. At the **Found New Hardware,** click **Locate and install driver software (recommended)**.

3. At User Account Control, click **Continue**. For Server 2008, skip this step.

4. Click **Don't search online**. Skip this step if not prompted.

5. Click **Browse my computer for driver software (advanced).**

6. Type **D:**, then click **Next**. (Change **D:** to match your CD/DVD-ROM drive letter)

7. Click **Close**.

8. Repeat steps 4-7.

9. Restart Windows to complete the installation.

Windows XP (32-/64-bit) / Server 2003 (32-/64-bit)

1.   At the **Found New Hardware Wizard,** insert the driver CD.

2.   Select **No, not this time**, click **Next**. (Skip this step if not prompted)

3.   Select **Install the software automatically (Recommended)**, then click **Next**.

4.   Click **Finish**.

5.   Repeat steps 2-4 two more times.

6.   Restart Windows to complete the installation.

Windows 2000

1.   Insert the driver CD. Close the CD autplay box if prompted.

2.   At the **Found New Hardware Wizard**, click **Next**.

3.   Select **Search for a suitable driver for my device (recommended)**, then click **Next**.

4.   Check **Specify a location**, uncheck the other boxes, then click **Next**.

5.   Type in **D:**, then click **OK**. (Change **D:** to match your CD-ROM drive letter)

6.   Click **Next** and **Finish**.

7.   Repeat steps **2-6** two more times.

8.   Restart Windows to complete the installation.

To Verify Windows 8 / 7 / Vista / XP / Server 2003 & 2008 / Server 2008 R2 / 2000 Installation

1.   Check in Device Manager to verify installation.

   For Windows 8 / 7: Right click **Computer**, click **Manage**, then click **Device Manager**.

   For Windows Vista: Right click **Computer**, click **Manage**, click **Continue**, then click **Device Manager**.

   For XP / Server 2003 / 2000: Right click **My Computer**, click **Manage**, then click **Device Manager**.

   For Server 2008 / Server 2008 R2: Right click **Computer**, click **Manage**, double click **Diagnostics**, then click **Device Manager**.

2.   Double click **Ports (COM & LPT)**, **CyberSerial 16Cxxx...** should be displayed two times.

3.   Double click **Multifunction adapters**, a **SIIG... 2S board** should be displayed.

Windows ME

1.   At the **Add New Hardware Wizard**, select **Specify the location of the driver (Advanced)**, then click **Next**.

2.   Insert the driver CD, check **Specify a location**, uncheck the other box, type in **D:**, then click **Next**. (Change **D:** to match your CD/DVD-ROM drive letter)

3.   Click **Next**, then **Finish**.

4.   Repeat steps **1** and **3**.

5.   Restart Windows to complete the installation.

Windows 98 / 98SE

1. At the **Add New Hardware Wizard**, click **Next**.
2. Select **Search for the best driver for your device (Recommend)**, then click **Next**.
3. Insert the driver CD, check **Specify a location**, uncheck the other boxes, type in **D:\9x**, then click **Next**. (Change **D:** to match your CD/DVD-ROM drive letter)
4. Click **Next**, then **Finish**.
5. Repeat steps 1-4.
6. Restart Windows to complete the installation.

Windows 95

1. At the **Update Device Driver Wizard**, click **Next**.
2. Insert the driver CD, click **Other Locations**.
3. Type in **D:\9x**, click **OK**, then click **Finish**. (Change **D:** to match your CD/DVD-ROM drive letter)
4. From the **Insert Disk** window, click **OK**. When the **Copying Files** dialog box pops up, type in **D:\9x**, then click **OK**. (Change **D:** to match your CD/DVD-ROM drive letter)
5. Repeat steps 1-4.
6. Restart Windows to complete the installation.

To Verify Windows ME / 98SE / 98 / 95 Installation

1. Right click **My Computer**, click **Properties**, then click **Device Manager**.
2. Double click **Ports (COM & LPT)**, **CyberSerial PCI 16Cxxx...** should be displayed two times.
3. Double click **Multi-function adapters**, a **SIIG... 2S...** should be displayed.

Changing COM Port Address

Some serial devices need a specific COM port in order to work. If your serial device works properly, do not change this setting.

Windows 8 / 7 / Vista / XP / Server 2003 & 2008 / Server 2008 R2 / 2000

1. From the **Device Manager** window double click **Ports (COM & LPT)**, then double click the **CyberSerial** serial port you want to change.
2. Click **Settings** tab and click **Advanced**.
3. Click the down arrow that is next to the **COM Port number** box and select a COM port that is not in use. Click **OK**.
4. Click **OK**, then close **Device Manager** to save the changes.

Windows ME / 98SE / 98 / 95

1. From the **Device Manager** window double click **Ports (COM & LPT)**, then double click the **CyberSerial PCI** serial port you want to change.
2. Click **Settings** tab, click the down arrow that is next to the **Port Name** box and select a COM address that is not currently in use.
3. Click **OK**, then close **Device Manager** to save the changes.