



DP CyberParallel Dual PCIe Installation Guide

Introduction

The *DP CyberParallel Dual PCIe* adds 2 high-speed parallel ports to PCI Express enabled systems and supports EPP/ECP and SPP (standard) parallel port modes.

Features and Benefits

- PCI Express 1-lane (x1) I/O card works with PCI Express slots with different lane width
- Two parallel ports support ECP, EPP PS2 and SPP modes and works with various types of parallel devices
- Supports various types of Windows[®] - based application software

System Requirements

- PCI Express enabled system with an available PCI Express slot
- Windows® 10 (32-/64-bit) / 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

Package Contents

- *DP CyberParallel Dual PCIe* host card
- FP bracket DB25 ribbon cable (plugged on the board)
- LP bracket DB25 ribbon cable
- Spare low profile bracket for host card
- Driver CD
- Installation guide

Layout

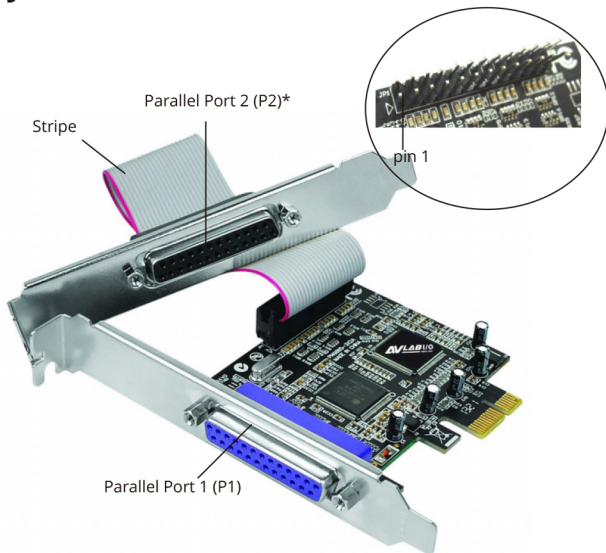


Figure 1

***Note:** When connecting the **DB25 ribbon cable** to **Parallel Port 2 (P2)**, position the ribbon cable so the stripe is on the side nearest to the slot bracket, see **Figure 1**.

Hardware Installation

Note: For low profile systems, replace the currently mounted bracket with the included low profile bracket.

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 case for a few seconds. Avoid any contact with internal parts and handle cards only by their external edges.

1. Turn OFF the power to your computer.
2. Unplug the power cord and remove the computer cover.
3. Remove the slot bracket cover from an available PCIe slot.

4. If you do not need the second parallel port, disconnect the **DB25 ribbon cable** from the board now. Skip this step if you need two parallel ports.
5. Carefully align the card to the selected PCIe slot, push the board down firmly, but gently, until it is well seated.
6. Replace the slot bracket holding screw to secure the card.
7. Remove the slot bracket cover from an available slot and mount the second parallel port, secure it with the slot bracket holding screw. Skip this step if you need only one parallel port.
8. Replace the computer cover and reconnect the power cord.

Software Installation

This section provides the steps on how to install the *DP CyberParallel Dual PCIe* drivers. Please make sure the board is installed before proceeding with the driver installation.

Windows 10 (32-/64-bit) / 8 (32-/64-bit) / 7 (32-/64-bit) / Vista (32-/64-bit) / Server 2008 (32-/64-bit) / Server 2008 R2

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

2. Check in Device Manager.

For Windows 10 / 8 / 7: Right click **This PC / Computer**, click **Manage**, then click **Device Manager**.

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

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

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

3. Right click **PCI Parallel Port**, click **Update Driver Software**.

4. Click **Browse my computer for updated software (driver software):**

For 32-bit: Type **D:\32-bit**, click **Next**.

(Change **D:** to match your CD-ROM drive letter)

For 64-bit / 2008 R2: Type **D:\64-bit**, click **Next**. (Change **D:** to match your CD-ROM drive letter)

5. At **Windows has successfully updated your driver software**, click **Close**.
6. Go back to Device Manager, right click **PCI Parallel Port**, then click **Update Driver Software**.
7. Repeat steps **4** & **5**, then restart the computer to complete the installation.

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

1. Click **Cancel** at the Found New Hardware.
2. Insert the driver CD. Close the CD autoplay box if prompted.
3. Right click **My Computer**, click **Manage**, click **Device Manager**.
4. Click **Update Driver...**
5. Select **Install from a list or specific location (Advanced)**, then click **Next**.

6. Check **Include this location in the search**, uncheck the other box.
For 32-bit: Type **D:\32bit**, click **Next**.
(Change **D:** to match your CD-ROM drive letter)
For 64-bit: Type **D:\64bit**, click **Next**.
(Change **D:** to match your CD-ROM drive letter)
7. At **Completing the Hardware Update Wizard**, click **Finish**.
8. Go back to Device Manager, right click **PCI Parallel Port**.
9. Repeat steps 4 - 7, then restart the computer to complete the installation.

Windows 2000

1. Insert the driver CD. Close the CD autoplay 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. Select **Specify the location**, uncheck the other boxes, then click **Next**.

5. Type **D:\32-bit**, click **OK**, then click **Next** (Change **D:** to match your CD-ROM drive letter)
6. At **Completing the Found New Hardware Wizard**, click **Finish**, then restart the computer to complete the installation.

To Verify Windows Installation

1. Check in Device Manager to verify installation.
For Windows 10 / 8 / 7: Right click **This PC/ Computer**, click **Manage**, then click **Device Manager**.
For Windows Vista: Right click **Computer**, click **Manage**, click **Continue**, then click **Device Manager**.
For Windows XP / Server 2003 / 2000: Right click **My Computer**, click **Manage**, click **Device Manager**.
For Windows Server 2008 / 2008 R2: Right click **Computer**, click **Manage**, double click **Diagnostics**, then click **Device Manager**.
2. Double click **Ports (COM & LPT)**, two **PCI ECP Parallel port...** should be displayed.

Changing Parallel Port

Some parallel port devices need a specific LPT in order to function properly. If your device works, do not make any changes.

1. For Windows 10 / 8 / 7 / XP / 2003 / 2000: Right click **This PC, Computer** or **My Computer**, click **Manage**, then click **Device Manager**.

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

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

2. Double click **Ports (COM & LPT)**, then double click the **PCI ECP Parallel port** you want to change.
3. Click **Port Settings** tab.
4. Click the down arrow next to the **LPT Port Number** box, then select a parallel port that is not in use.
5. Click **OK** to save the changes.