AVLAB I/O
SINCE 1997

DP USB 3.0 4-Port
PCIe i/e VL

Introduction

The *DP USB 3.0 4-Port PCIe i/e VL* adds four USB 3.0 ports (1 internal and 3 external) to your PCIe-enabled desktop PC enhancing existing systems with the latest USB 3.0 technology.

Key Features and Benefits

- Add 4 USB 3.0 ports to your PCIe-enabled desktop PC
- Works with high-bandwidth USB 3.0 devices, such as external hard disks, high resolution webcams, video surveillance cameras, digital video cameras, multi-channel audio and more
- Data rate up to 5Gbps and backward compatible with USB 2.0/1.1 devices
- Dual profile design to work with full height and low profile chassis with included brackets

System Requirements

- Desktop PC with an available PCIe slot
- Windows® 8 (32-/64-bit) / 7 (32-/64-bit) / Vista (32-/64-bit) / XP (32-/64-bit)

Package Contents

- *DP USB 3.0 4-Port PCIe i/e VL* adapter
- Spare low profile bracket
- Driver CD and installation guide

Layout

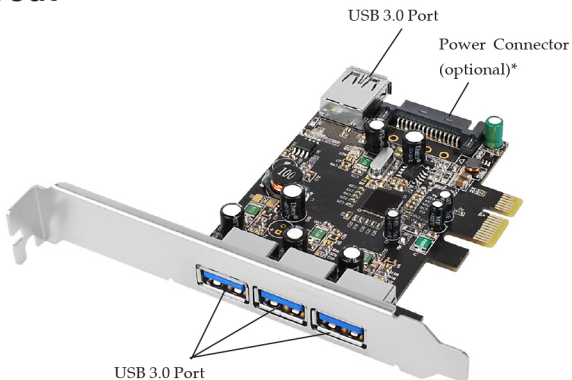USB 3.0 Port

Power Connector (optional)*

USB 3.0 Port

Figure 1: Board Layout

> ***Note**: The power connector is designed to provide additional power to the board when needed. Connect this power connector only if one or both of the following conditions occur:
>
> - USB device(s) not being detected
> - All USB ports are used at the same time
>
> Power off your system first before making this connection.

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.

> **Note**: For low profile systems, remove the full height bracket and install the low profile bracket now.

1. Turn OFF the power to your computer and any other connected peripheral device.

2. Unplug the power cord from the back of the computer.

3. Remove your computer cover.

4. Remove the slot bracket from an available PCIe slot.

5. Carefully align the card's bus connector with the selected PCIe slot on the motherboard. Push the board down firmly, but gently, until it is well seated.

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

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

Driver Installation

Follow the instructions below to install the *DP USB 3.0 4-Port PCIe i/e VL* driver.

Windows 8 (32-/64-bit) / 7 (32-/64-bit)

1. Install the card and boot up Windows.
2. Insert the driver CD.
3. Double click the drive CD, then double click the **Win7_Win8_Win8.1** folder.
4. Double click **VIA_XHCI_Driver_V4.50A_AP**, then click **Yes** at User Account Control.
5. At **Welcome to VIA Windows...**, click **Next**.
6. For systems which .NET Framework software is not installed, check **I have read and accept the license terms**, then click **Install** to install it. After installation is complete, click **Finish**. Skip this step and go directly to step 7 if not prompted to install .Net Framework.
7. Click **Next**. Select **I Agree**, click **Next**.
8. Click **Next**, then click **Next**.
9. Click **Next**, then click **Finish**.
10. Click **Finish** again to restart the computer.

Windows Vista (32-/64-bit) / XP (32-/64-bit)

1.   Install the card and boot up Windows.

2.   Click **Cancel** at the Found New Hardware.

3.   Insert the driver CD.

4.   Double click the driver CD, double click **XP_Vista** folder, then double click **VIA_XHCI_Driver_V4.40D_AP**.

5.   At the User Account Control, click **Allow**. For Windows XP, skip this step.

6.   At **Welcome to the VIA Windows...**, click **Next**.

7.   For systems which .NET Framework software is not installed, check **I have read and accept the license terms**, then click **Install** to install it. After installation is complete, click **Finish**. Skip this step and go directly to step 8 if not prompted to install .Net Framework.

8.   Click **Next**. Select **I Agree**, click **Next**.

9.   Click **Next**, and click **Next**.

10.   Click **Install this driver software anyway** at the Windows Security. Skip this step if not prompted.

11.　Click **Next**, then click **Finish**.

12.　Click **Finish** again to restart the computer.

To Verify Successful Installation

1.　Go to Device Manager to verify installation.
For Windows 8 / 7 / XP: Right click **Computer** or **My Computer**, click **Manage**, then click **Device Manager**.
For Windows Vista: Right click **Computer**, click **Manage**, click **Continue**, then click **Device Manager**.

2.　Double click **Universal Serial Bus controllers**, a **VIA USB 3 Root Hub** and a **VIA USB eXtensible Host Controller** should be displayed.