



# **DP eSATA 6Gb/s 2-Port PCIe i/e**

## **Quick Installation Guide**

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### **Introduction**

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The *DP eSATA 6Gb/s 2-Port PCIe i/e* adds 2 SATA 6Gb/s to PCIe-equipped computers.

### **Features and Benefits**

- Compliant with Serial ATA specification, Revision 3.0
- Supports ATA/ATAPI-7 specification
- Supports port multiplier
- Installs in standard height or low profile chassis with included brackets

### **System Requirements**

- Desktop PC with an available PCIe slot
- Windows® 7 (32-/64-bit) / Vista (32-/64-bit) / XP (32-/64-bit) / Server 2003 & 2008 (32/64-bit) / Server 2008 R2

# Package Contents

- *DP eSATA 6Gb/s 2-Port PCIe i/e adapter*
- Spare low profile bracket
- SATA data cable
- Driver CD
- Quick installation guide

## Layout

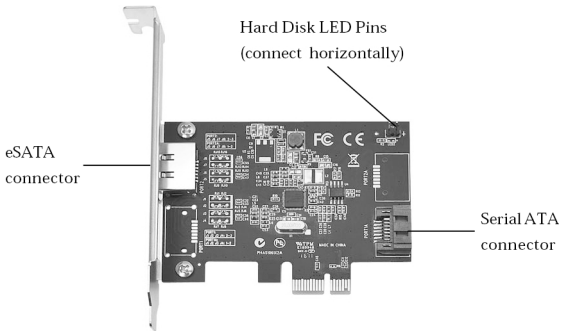


Figure 1: DP eSATA 6Gb/s 2-Port PCIe i/e

## **Hardware Installation**

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For Low profile systems, install the spare low profile bracket now.

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 and any other connected peripheral devices.
2. Unplug the power cord from the back of the computer.
3. Remove your computer cover.
4. Remove the slot bracket cover from an available PCI Express slot.

5. To install the card, carefully align the card's bus connector with the selected PCI Express 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.

## **Device Connection**

The *DP eSATA 6Gb/s 2-Port PCIe i/e* supports one internal and one external Serial ATA hard disk drive.

### **Internal Serial ATA port**

1. Install your hard disk drive(s) in the chassis.
2. Connect the Serial ATA hard disk drive to the system power supply.

**Note:** For hard drives with both SATA power connector and legacy 5-pin connector, use either the SATA power connector or the legacy 5-pin power connector. Using both power connectors may damage the hard drive.

3. Connect one end of the *Serial ATA cable* to the hard disk drive.

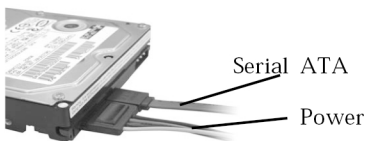


Figure 2. SATA hard disk drive connections

4. Attach the other end of the *Serial ATA data cable* to the Serial ATA connector on the *DP eSATA 6Gb/s 2-Port PCIe i/e*.
5. Replace the computer cover and reconnect the power cord.

### External Serial ATA port

External Serial ATA hard disk drives should come with their own accessories. In most cases, you just need to power up the external drive and connect it to the external port. For more information, please refer to the external device's manual.

## **Software Installation**

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This section provides information on how to install the *DP eSATA 6Gb/s 2-Port PCIe i/e* adapter drivers.

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

#### For New Installation

1. Install the board and follow Microsoft procedures to install Windows accordingly.
2. After the installation, insert driver CD, click **Start** menu, in the **Search programs and files** box, type **D:\setup.exe**, press **Enter**. (Change **D:** to match your CD-ROM drive letter)
3. At the **User Account Control** window, click **Yes**. Skip this step if not prompted.
4. Click **Next**.
5. Select **I accept the terms of the license agreement**, then click **Next**.
6. Click **Finish**.
7. Click **Yes** to complete the installation.

## For Existing Installation

1. Install the board and boot up Windows.
2. Insert driver CD, click **Start** menu, click **Start** menu, in the **Search programs and files** box, type **D:\setup.exe**, press **Enter**. (Change **D:** to match your CD-ROM drive letter)
3. At the **User Account Control** window, click **Allow**. Skip this step if not prompted.
4. Click **Next**.
5. Select **I accept the terms of the license agreement**, then click **Next**.
6. Click **Finish**.
7. Click **Yes** to complete the installation.

## **Windows Vista (32-/64-bit)**

### For A New Installation

1. Install the board and follow Microsoft procedures to install Windows accordingly.
2. After the installation, insert driver CD, click **Start** menu, in the **Start Search** box, type **D:\setup.exe**, press **Enter**. (Change **D:** to match your CD-ROM drive letter)

3. At the **User Account Control** window, click **Allow**. Skip this step if not prompted.
4. Click **Next**.
5. Select **I accept the terms of the license agreement**, then click **Next**.
6. Click **Finish**.
7. Click **Yes** to complete the installation.

### For Existing Installation

1. Install the board and boot up Windows.
2. At the **Found New Hardware** window, click **Cancel**.
3. Insert driver CD, click **Start** menu, in the **Start Search** box, type **D:\setup.exe**, press **Enter**. (Change **D:** to match your CD-ROM drive letter)
4. At the **User Account Control** window, click **Allow**. Skip this step if not prompted.
5. Click **Next**.
6. Select **I accept the terms of the license agreement**, then click **Next**.
7. Click **Finish**.
8. Click **Yes** to complete the installation.



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

## For New Installation

1. Install the board and follow Microsoft procedures to install Windows accordingly.
2. After the installation, insert driver CD, click **Start** menu, in the **Start Search** box, type **D:\setup.exe**, press **Enter**. (Change **D:** to match your CD-ROM drive letter)
3. Click **Next**.
4. Select **I accept the terms of the license agreement**, then click **Next**.
5. Click **Finish**.
6. Click **Yes** to complete the installation.

## For Existing Installation

1. Install the board and boot up Windows.
2. At the **Found New Hardware** window, click **Cancel**.
3. Insert driver CD, click **Start** menu, in the **Start Search** box, type **D:\setup.exe**, press **Enter**. (Change **D:** to match your CD-ROM drive letter)

4. Click **Next**.
5. Select **I accept the terms of the license agreement**, then click **Next**.
6. Click **Finish**.
7. Click **Yes** to complete the installation.

## **Server 2003 (64-bit)**

### For A New Installation

A new installation requires a floppy disk for the driver installation. To make this floppy disk, copy the **contents** of the **64bit** folder, found on the driver CD, onto a blank floppy disk then follow the directions below.

1. Install the board and follow Microsoft procedures to install Windows accordingly.
2. At the **Windows Setup** screen, press **F6** to install the RAID driver.
3. When prompted, press **S** to specify the location of the driver.
4. Insert the floppy disk, then press **Enter**.
5. Select **Asmedia 106x SATA Controller 64bit**, then press **Enter**.

**Note:** Do not remove the floppy diskette from the floppy drive. You need to install the driver once again during the installation.

6. Press **Enter** again to finish the driver installation, then follow the on-screen instructions to complete your Windows installation.

### For Existing Installation

1. Install the board and boot up Windows.
2. At the **Found New Hardware** window, click **Cancel**.
3. Insert driver CD, click **Start** menu, **Run**. Type **D:\setup.exe**, click **OK**. (Change **D:** to match your CD-ROM drive letter)
4. Click **Next**.
5. Select **I accept the terms of the license agreement**, then click **Next**.
6. Click **Finish**.
7. Click **Yes** to complete the installation.

## Server 2003 (32-bit)

### For A New Installation

A new installation requires a floppy disk for the driver installation. To make this floppy disk, copy the **contents** of the **32bit** folder, found on the driver CD, onto a blank floppy disk then follow the directions below.

1. Install the board and follow Microsoft procedures to install Windows accordingly.
2. At the **Windows Setup** screen, press **F6** to install the RAID driver.
3. When prompted, press **S** to specify the location of the driver.
4. Insert the floppy disk, then press **Enter**.
5. Select **Asmedia 106x SATA Controller 32bit**, then press **Enter**.

**Note:** Do not remove the floppy diskette from the floppy drive. You need to install the driver once again during the installation.

6. Press **Enter** again to finish the driver installation, then follow the on-screen instructions to complete your Windows installation.

### For Existing Installation

1. Install the board and boot up Windows.
2. At the **Found New Hardware** window, click **Cancel**.
3. Insert driver CD, click **Start** menu, **Run**. Type **D:\setup.exe**, click **OK**. (Change **D:** to match your CD-ROM drive letter)
4. Click **Next**.
5. Select **I accept the terms of the license agreement**, then click **Next**.
6. Click **Finish**.
7. Click **Yes** to complete the installation.

## Windows XP (64-bit)

### For A New Installation

A new installation requires a floppy disk for the driver installation. To make this floppy disk, copy the **contents** of the **64bit** folder, found on the driver CD, onto a blank floppy disk then follow the directions below.

1. Install the board and follow Microsoft procedures to install Windows accordingly.
2. At the **Windows Setup** screen, press **F6** to install the RAID driver.
3. When prompted, press **S** to specify the location of the driver.
4. Insert the floppy disk, then press **Enter**
5. Select **Asmedia 106x SATA Controller 64bit**, then press **Enter**.

**Note:** Do not remove the floppy diskette from the floppy drive. You need to install the driver once again during the installation.

6. Press **Enter** again to finish the driver installation, then follow the on-screen instructions to complete your Windows installation.

### For Existing Installation

1. Install the board and boot up Windows.
2. At the **Found New Hardware** window, click **Cancel**.
3. Insert driver CD, click **Start** menu, **Run**. Type **D:\setup.exe**, click **OK**. (Change **D:** to match your CD-ROM drive letter)
4. Click **Next**.
5. Select **I accept the terms of the license agreement**, then click **Next**.
6. Click **Finish**.
7. Click **Yes** to complete the installation.

## Windows XP (32-bit)

### For A New Installation

A new installation requires a floppy disk for the driver installation. To make this floppy disk, copy the **contents** of the **32bit** folder, found on the driver CD, onto a blank floppy disk then follow the directions below.

1. Install the board and follow Microsoft procedures to install Windows accordingly.
2. At the **Windows Setup** screen, press **F6** to install the RAID driver.
3. When prompted, press **S** to specify the location of the driver.
4. Insert the floppy disk, then press **Enter**
5. Select **Asmedia 106x SATA Controller 32bit**, then press **Enter**.

**Note:** Do not remove the floppy diskette from the floppy drive. You need to install the driver once again during the installation.



6. Press **Enter** again to finish the driver installation, then follow the on-screen instructions to complete your Windows installation.

### For An Existing Installation

1. Install the board and boot up Windows.
2. At the **Found New Hardware** window, click **Cancel**.
3. Insert driver CD, click **Start** menu, **Run**. Type **D:\setup.exe**, click **OK**. (Change **D:** to match your CD-ROM drive letter)
4. Click **Next**.
5. Select **I accept the terms of the license agreement**, then click **Next**.
6. Click **Finish**.
7. Click **Yes** to complete the installation.

## To Verify Windows Installation

1. Use Device Manager to verify installation.  
*For Windows 7:* Right click **Computer**, click **Manage**, click **Device Manager**.  
*For Windows Vista:* Right click **Computer**, click **Manage**, click **Continue**. Click **Device Manager**.  
*For Windows XP / Server 2003:* Right click **My Computer**, click **Manage**, click **Device Manager**.  
*For Windows Server 2008:* Right click **Computer**, click **Manage**. Double click **Diagnostics**, click **Device Manager**.
2. *For Windows 7 / Vista / Server 2008 / Server 2008 R2:* Double click **IDE ATA/ATAPI controllers**. **Asmedia 106x SATA Controller** should be displayed.
3. *For Windows XP / Server 2003:* Double click **SCSI and RAID controllers**. **Asmedia 106x SATA Controller** should be displayed.