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2-Port USB 3.1 Card | 10Gbps per port | 2x USB-A | PCIe

Product Diagram (PEXUSB312A3)
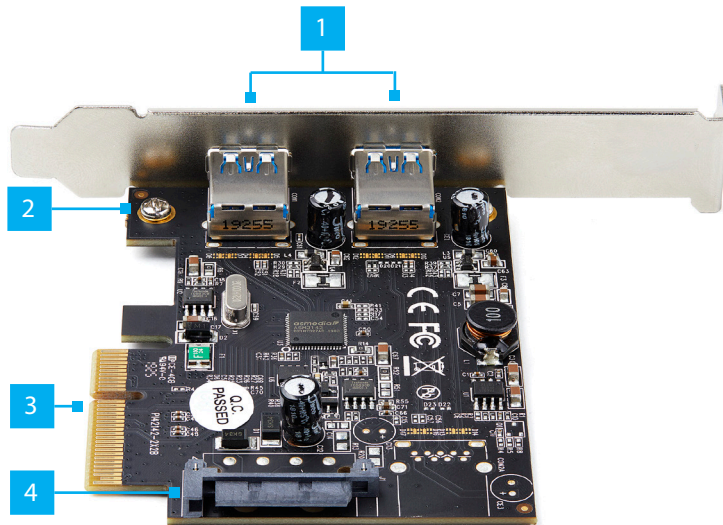
Component		Function
1	USB-A Ports	• Used to connect a **USB Peripheral Device** to the **USB Card**.
2	Bracket Screws	• Used to **Secure** the **Low Profile** or **Full Profile Bracket** to the **USB Card.**
3	PCI Express Connector	• Used to connect the **USB Card** to the **PCI Express Slot** on the **Host Computer**.
4	SATA Power Connector	• (Optional) Connect a **15 Pin SATA Power Connector** to provide extra power to the **USB Type-A Ports.**

Requirements

For the latest requirements, please visit www.startech.com/PEXUSB312A3

• Computer with an available PCI Express® slot (x4, x8, or x16)

• (Optional) SATA Power Source

Tools

• Small Phillips® Head Screwdriver

Hardware Installation

Installing the Low Profile Bracket

By default the **Full Profile Bracket** is attached to the **USB Card**. Depending on your system configuration you may need to remove the **Full Profile Bracket** and replace it with the **Low Profile Bracket** (included).

1. Using a **Small Phillips Head Screwdriver** (sold separately), remove the two **Bracket Screws** securing the **Full Profile Bracket** to the **USB Card**.

2. Align the **Screw Holes** on the **USB Card** with the **Screw Holes** on the **Low Profile Bracket**. Making sure the **USB Card** is sitting on top of the **Screw Holes** on the **Low Profile Bracket**.

3. Insert the **Bracket Screws** through the **USB Card** and into the **Screw Holes** on the **Low Profile Bracket**.

4. Using the **Small Phillips Head Screwdriver**, tighten the **Bracket Screws,** being careful not to over-tighten.

Installing the USB Card

Warning: USB cards can be damaged by static electricity. Make sure that you are properly grounded before you open the computer case or touch the USB Card. You should wear an anti-static strap when you install any computer components. If an anti-static strap is not available, discharge any built-up static electricity by touching a large grounded metal surface for several seconds. Only handle the USB Card by its edges and do not touch the gold connectors.

1. Turn off the **Host Computer** and disconnect any **Peripheral Devices** that are connected (e.g. printer, external hard drives, etc.).

2. Unplug the **Power Cable** from the back of the **Host Computer**.

3. Remove the **Cover** from the **Host Computer's Case**.

   Note: Consult the documentation that came with the Host Computer for details about how to remove the Cover safely.

4. Locate an open **PCI Express Slot** (x4, x8, or x16) and remove the corresponding **Metal Cover Plate** from the back of the **Host Computer's Case**.

5. Gently insert the **USB Card** into the open **PCI Express Slot** and fasten the **Bracket** to the back of the **Host Computer's Case**.

6. (Optional) Connect a **15 Pin SATA Power Connector** from the **Power Supply** to the **SATA Power Connector** on the **USB Card**.

*Note: Connecting a separate **Power Supply** to the **USB Card** will provide extra power to the **USB-A Ports** for charging connected **Devices**.*

7. Place the **Cover** back onto the **Host Computer's Case**.

8. Reconnect the **Power Cable** to the back of the **Host Computer**.

9. Reconnect all of the **Peripheral Devices** that were disconnected in step 1.

10. Connect **USB Peripheral Devices** to the **USB-A Ports** on the **USB Card**.

Software Installation

When the **USB Card** is installed the drivers should install automatically. If the drivers do not automatically install, navigate to **www.startech.com/PEXUSB312A3** to download the appropriate driver package.

1. Click on the *Support* tab, under *Drivers*, select the appropriate driver package for the **Operating System** running on the **Host Computer**.

2. When you have downloaded and unzipped the driver. Click on the **Installation Guide PDF** and follow the instructions.

Installing the Driver in Windows 7

1. If the **Found New Hardware** dialog box appears on your screen, close the dialog box or click the **Cancel** button.

2. Navigate to the **Device Manager** screen.

3. On the list of installed devices, right-click on **ASMedia USB3.1 eXtensible Host Controller**.

4. Select **Update Driver** from the pop-up menu.

5. On the *How do you want to search for drivers* screen, select the **Browse my computer for driver software** link.

6. Click on the **Let me pick from a list of available drivers on my computer** link.

7. Select, **USB xHCI Compliant Host Controller**.
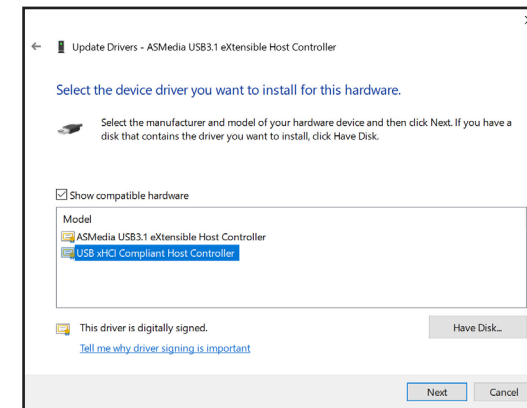
USB xHCI Compliant Host Controller

8. Click the **Next** Button.

9. Click the **Close** button once the installation is complete.