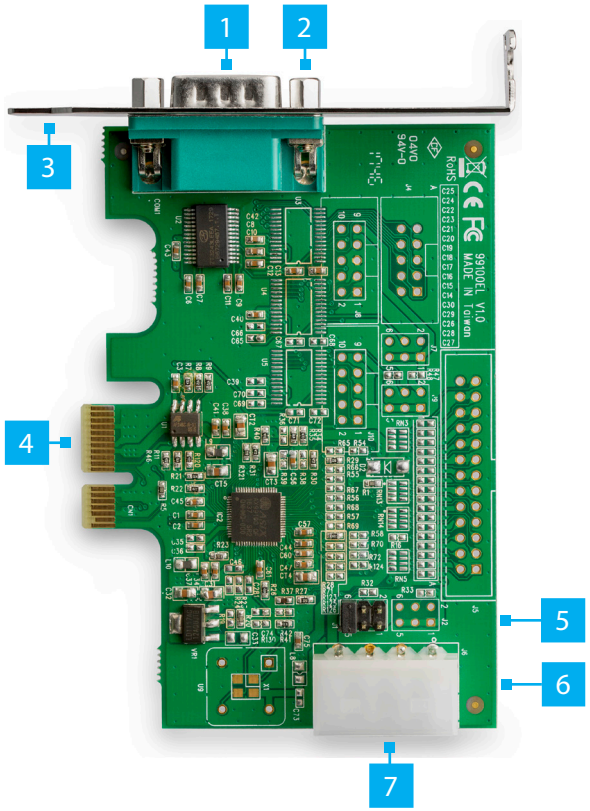
1-Port PCI Express Serial Card with 16950 UART - Low-Profile

Product Diagram (PEX1S953LP)



	Port	Function
1	Serial Port	• Used to connect a Serial Device
2	Screws	• Used to attach the Serial Port to the Bracket • Used to secure a Serial Cable to the Serial Port
3	Bracket	• Used to attach the Card to your Computer
4	PCI Express Bus Connector	• Used to connect the PCI Express Serial Card to your Computer's Motherboard
5	Jumper	• Used to configure Serial Port power settings
6	Printed Circuit Board	• Components such as Jumpers are located on this Board
7	LP4 Power Connector	• Used to connect a Power Source

Requirements

- PCIe Slot
- Needle-Nose Pliers

For the latest requirements and full manual, please visit www.startech.com/PEX1S953LP.

Installation

WARNING!

PCI Express Serial Cards can be severely damaged by static electricity. Make sure that you are properly grounded before you open your **Computer Case** or touch the **PCI Express Serial Card**. You should wear an **Anti-Static Strap** when you install any computer component. If an **Anti-Static Strap** isn't available, discharge any built-up static electricity by touching a large **Grounded Metal Surface** for several seconds. Only handle the **PCI Express Serial Card** by its edges and don't touch the gold connectors.

Jumper Configuration

Note: ***Jumper*** *configuration is a requirement when connecting* ***Serial Devices*** *that require power through a* ***Serial Port****.*

This **Jumper** can be moved into one of three different positions in order to set the power output voltage for the **Serial Port**. The default setting for the **Jumpers** is **RI**, which is the setting for no power. The **Jumper** can be moved to one of the other two settings for **5V** or **12V** of power. To configure the **Jumper**, complete the following:

1. Determine the power setting that is required for the **Serial Port**.
2. Locate the **Jumper**. The **Jumper** is labeled as **J1** on the **Printed Circuit Board**.
3. Carefully remove the **Jumper**. Lift the **Jumper** straight up and off of the **PCI Express Serial Card**.

   Note: *Always hold the* ***Card*** *by the edges.*
4. Position the **Jumper** over the set of **Pins** that correspond with the desired **Serial Port Power Setting**. See *Figure 1* to determine where the **Jumper** should be positioned.
5. Push the **Jumper** straight down and into place.

   Note: *Push the* ***Jumper*** *all the way into position for proper contact.*

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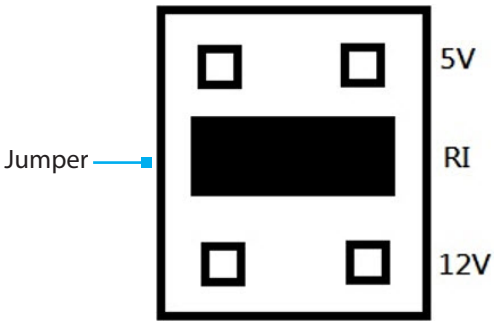
Figure 1



Hardware Installation

Note: *This **PCI Express Serial Card** is specially designed to allow for power output from the ninth pin of the **Serial Connector** for devices that support power over Serial. This card allows users to set the **Serial Port** to **5V, 12V,** or **RI** (no power). Users can also choose to draw the necessary power from the **Computer's Power Supply** by connecting to the **LP4 Power Connector**.*

1. Turn off the power to your **Computer**.
2. Unplug your **Computer's Power Cord**.
3. Remove your **Computer's Cover**.
4. Remove the corresponding **Full-Height or Low-Profile Slot Bracket** from an available **PCIe Slot**.
5. (For Full-Height PCIe installations) The **PCI Express Serial Card** is configured out of the box to fit into a **Low-Profile PCIe Slot**. Reconfigure the **PCI Express Serial Card** for Low-Profile PCIe installations by removing the **Low-Profile Bracket**. Remove the two **Screws** from the **Low-Profile Bracket**, using **Needle-Nose Pliers**. Insert the **Serial Port** into the **Full-Height Bracket**. Insert and fasten the two **Screws**, using **Needle-Nose Pliers**.
6. To install the **Card**, carefully align the **Card's Bus Connector** with the selected **PCIe Slot** on the **Motherboard.** Push the **Card** down firmly to ensure the **Card** is properly seated into the **PCIe Slot**.
7. (Optional): Connect the **LP4 Power Connector Cable** from the **Computer's Power Supply** to the **LP4 Power Connector Port** on the **Card**.
8. Replace the **Slot Bracket's Holding Screw** to secure the **Card**.
9. Replace the **Computer's Cover** and reconnect the **Power Cord**.
10. Download the latest **Drivers**. See Driver Installation for more details.

Driver Installation

You can download the latest **Drivers** from the StarTech.com website:

www.startech.com/PEX1S953LP

Navigate to the **Support Page** to locate the **Drivers**. Follow the instructions included with the **Driver Files**.

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