1S1P Mini PCIe with 16950 UART
Quick Installation Guide

Introduction

The *1S1P Mini PCIe with 16950 UART* high-speed serial I/O card provides 9-pin serial port and one parallel port.

Features and Benefits

- Mini PCI Express 1-lane (x1) adapter that works in any mini PCI Express slot
- Compliant with PCI Express Base Specification Revision 1.0a
- Provides an RS-232 serial & parallel port (DB-25)
- Parallel port supports ECP/EPP, SPP (standard) parallel port modes

System Requirements

- PCI Express-enabled system with an available Mini PCI Express slot
- Windows 7 (32-/64-bit) / Vista (32-/64-bit) / XP (32-/64-bit) / Server 2003 & 2008 (32-/64-bit) / Server 2008 R2 / 2000

Serial Number Sticker

For future product return or exchange this serial number is required. Please keep it for your reference.

Package Contents

- *1S1P Mini PCIe with 16950 UART*
- DB9 Serial to board adapter cable
- DB25 Parallel to board adapter cable
- Driver CD
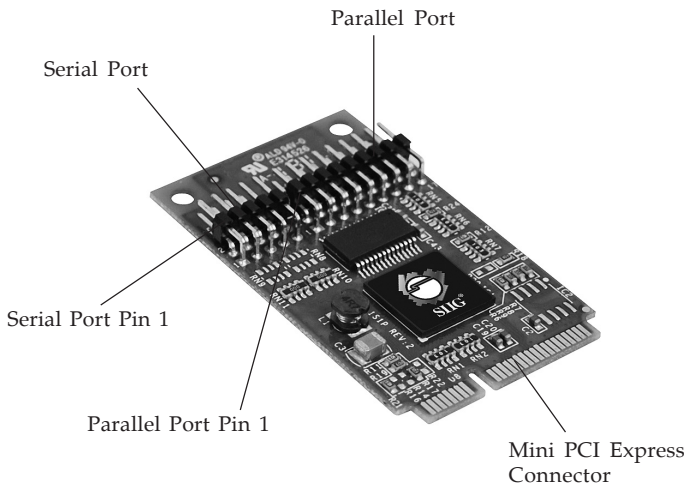- Quick installation guide

Layout

Figure 1: Layout

Serial Port & Parallel Port Cable Connection

Stripe

Serial Port
Connector

Serial Port

Pin 1

Parallel Port
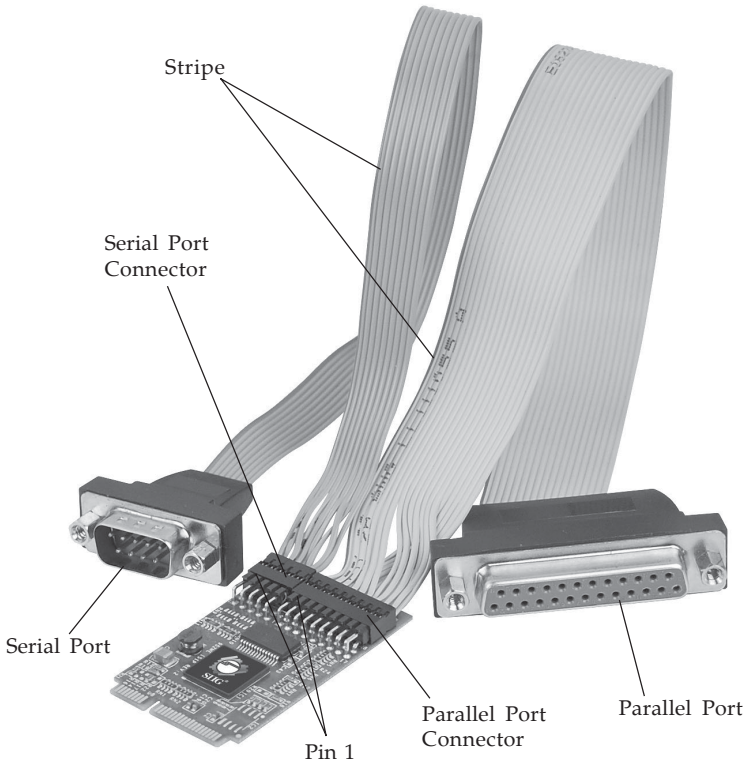Connector

Parallel Port

Figure 2: Serial Port and Parallel Port Cable Connection

Note: For the board's Serial port and Parallel port connector, align the stripe on the ribbon cable to **Pin 1** of the board's connector. See image above for the correct orientation.

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 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 computer.

3. Remove your computer's cover.

4. Connect the DB9 Serial cable and DB25 Parallel cable to the board's connector. Align the stripe on the cable to Pin 1 of the board's connector. See **Figure 2** on page 3 for more information.

5. To install the card, carefully align the card's bus connector with the selected Mini PCI Express slot on the motherboard. Push the board firmly, but gently into the slot until it is well seated.

6. Secure the serial port and the parallel port to the system chassis.

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

Driver Installation

This section provides information on how to install the *1S1P Mini PCIe with 16950 UART* drivers.

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

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

2. Insert the driver CD.

    Note: Close the CD AutoPlay box if prompted.

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

4. Click **Browse my computer for driver software**.

5. Type **D:\Win_7\Win7_Parallel** , and click **Next**. (Change **D:** to match your CD/DVD-ROM drive letter)

6. Click **Install** at the windows security window.

7. Click **Close** at the successfully installed window.

8. Go back to **Device Manager**, right click **PCI Serial Port**, and click **Update Driver Software**.

9. Click **Browse my computer for driver software**.

10. Type in the route for serial port:
    For 32-bit: Type **D:\Win_7\Win7_Uart\x86**. (Change **D:** to match your CD/DVD-ROM drive letter)

    For 64-bit: Type **D:\Win_7\Win7_Uart\amd64**. (Change **D:** to match your CD/DVD-ROM drive letter)

11. Click **Next**, click **Install**, and click **Close** to complete the installation.

Windows Vista (32-/64-bit)

1. At the **Found New Hardware** window, click **Locate and install driver software (recommended)**, then click **Continue**.

2. Click **Don't search online.**

3. Click **I don't have the disc. Show me other options**.

4. Insert the driver CD, click **Browse my computer for driver software (advanced)**.

   > **Note**: Close the CD AutoPlay box if prompted.

5. Type in **D:\Win_2000_XP_Vista\Parallel**, then click **Next**. (Change **D:** to match your CD/DVD-ROM drive letter)

6. Click **Install**.

7. Click **Close** at the successfully installed window.

8. At the **Found New Hardware Wizard,** repeat steps **1 to 3**.

9. Click **Browse my computer for driver software (advanced)**.

10. Type in the route for serial port:

    For 32-bit:

    D:\Win_2000_XP_Vista\WINDOWS_UART/x86. (Change **D:** to match your CD/DVD-ROM drive letter)

    For 64-bit:
    D:\Win_2000_XP_Vista\WINDOWS_UART\amd64. (Change **D:** to match your CD-ROM drive letter)

11. Click **Install** and click **Close** at the successfully installed window to complete the installation.

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

1. At the **Found New Hardware Wizard**, select **Yes, now and every time I connect a device**, and click **Next**.

2. Select **Install from a list or specific location (Advanced)**, then click **Next**.

3. Insert the driver CD, check **Include this location in the search**, uncheck the other box.

    > **Note**: Click **Cancel** at the CD AutoPlay box if prompted.

4. Type in **D:\Win_2000_XP_Vista\Parallel**, click **OK**, and then click **Next**.
    (Change **D:** to match your CD-ROM drive letter)

5. Click **Continue Anyway**, then click **Finish**.

6. At the **Found New Hardware Wizard**, select **Install from a list or specific location (Advanced)**, then click **Next**.

7. Type in the route for serial port:
    For 32-bit:
    D:\Win_2000_XP_Vista\WINDOWS_UART\x86.
    (Change **D:** to match your CD/DVD-ROM drive letter)
    For 64-bit:
    D:\Win_2000_XP_Vista\WINDOWS_UART\amd64.
    (Change **D:** to match your CD/DVD-ROM drive letter)

8. Click **Next**.

9. Click **Finish**.

Server 2008 (32-/64-bit)

1. At the **Found New Hardware** window, click **Locate and install driver software (recommended)**.

2. Click **Don't search online**. Continue to step 3 if not prompted.

3. Click **I don't have the disc. Show me other options**.

4. Insert the driver CD, click **Browse my computer for driver software (advanced)**.

5. Type in **D:\Win_2000_XP_Vista\Parallel,** then click **Next**. (Change **D:** to match your CD-ROM drive letter)

6. Click **Install** at the windows security window.

7. Click **Close** at the successfully installed window.

8. At the **Found New Hardware-PCI Serial Port** window, repeat steps **1 to 3**.

9. Click **Browse my computer for driver software (advanced)**.

10. Type in the route for serial port:

    For 32-bit:
    D:\Win_2000_XP_Vista\WINDOWS\UART\x86.
    (Change **D:** to match your CD/DVD-ROM drive letter)

    For 64-bit:
    D:\Win_2000_XP_Vista\WINDOWS\UART\amd64.
    (Change **D:** to match your CD/DVD-ROM drive letter)

11. Click **Next**.

12. Click **Close**.

Windows 2000

1. At the **Found New Hardware Wizard**, click **Next**.
2. Select **Search for a suitable driver for my device (recommended)**, and click **Next**.
3. Check **Specify a location**, uncheck the other boxes, then click **Next**.
4. Insert the driver CD, type in **D:\Win_2000_XP_Vista\Parallel**, then click **OK**. (Change **D:** to match your CD/DVD-ROM drive letter)
5. Click **Next** and then click **Finish**.
6. At the **Found New Hardware Wizard**, click **Next**.
7. Select **Search for a suitable driver for my device (recommended)**, and click **Next**.
8. Check **Specify a location**, uncheck the other boxes, then click **Next**.
9. Type in the route for serial port.
   For 32-bit:
   D:\Win_2000_XP_Vista\WINDOWS\UART\x86. (Change **D:** to match your CD/DVD-ROM drive letter)
   For 64-bit:
   D:\Win_2000_XP_Vista\WINDOWS\UART\amd64. (Change **D:** to match your CD/DVD-ROM drive letter)
10. Click **Next** and click **Finish**.
11. At the **Found New Hardware Wizard,** repeat steps **6 to 10** to complete the installation.

To Verify Windows Installation

1. Check in Device Manager to verify successful driver 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 2000 / XP / Server 2003: Right click **My Computer**, click **Manage**, click **Device Manager**.

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

2. Double click **Ports (COM & LPT)**, **PCI Express UART Port...** and **PCI Express ECP Parallel Port...**should be displayed.

3. Double click **Multi-port serial adapters**, **PCI Express Multiport Adapter** should be displayed.

Changing COM Port Number

Some serial devices need a specific COM port in order to work. If your serial device works properly, do not change this setting.

1. From the **Device Manager** window double click **Ports (COM & LPT)**, then double click the **PCI Express UART Port** serial port you want to change.

2. Click **Settings** tab.

3. Click the down arrow that is next to the **COM Port number** box, select a COM port that is not in use, then click **OK**.

4. Click **OK**, then close **Device Manager** to save the changes.

Technical Support and Warranty

QUESTIONS? SIIG's **Online Support** has answers! Simply visit our web site at *www.siig.com* and click **Support**. Our online support database is updated daily with new drivers and solutions. Answers to your questions could be just a few clicks away. You can also submit questions online and a technical support analyst will promptly respond.

SIIG offers a 2-year manufacturer warranty with this product. This warranty covers the original purchaser and guarantees the product to be free of any defects in materials or workmanship for two (2) years from the date of purchase of the product.

SIIG will, at our discretion, repair or replace (with an identical product or product having similar features and functionality) the product if defective in materials or workmanship. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Please see our web site for more warranty details.

If you encounter any problems with this product, please follow the procedures below.

A) If it is within the store's return policy period, please return the product to the store where you purchased it.

B) If your purchase has passed the store's return policy period, please follow these steps to have the product repaired or replaced.

> **Step 1:** Submit your RMA request. Go to **www.siig.com**, click **Support**, then **Request A Product Replacement** to submit a request to <u>SIIG RMA</u> or fax a request to 510-657-5962. Your RMA request will be processed, if the product is determined to be defective, an RMA number will be issued.

> **Step 2:** After obtaining an RMA number, ship the product.
> - Properly pack the product for shipping. All software, cable(s) and any other accessories that came with the original package must be included.
> - Clearly write your RMA number on the top of the returned package. SIIG will refuse to accept any shipping package, and will not be responsible for a product returned without an RMA number posted on the outside of the shipping carton.
> - You are responsible for the cost of shipping to SIIG. Ship the product to the following address:
>
>   **SIIG, Inc.**
>   **6078 Stewart Avenue**
>   **Fremont, CA 94538-3152, USA**
>   **RMA #:** _____
> - SIIG will ship the repaired or replaced product via Ground in the U.S. and International Economy outside of the U.S. at no cost to the customer.

About SIIG, Inc.

Founded in 1985, SIIG, Inc. is a leading manufacturer of IT connectivity solutions (including Serial ATA and Ultra ATA Controllers, FireWire, USB, and legacy I/O adapters) that bridge the connection between Desktop/Notebook systems and external peripherals. SIIG continues to grow by adding A/V and Digital Signage connectivity solutions to our extensive portfolio. All centered around the distribution and switching of A/V signals over CAT5/6, these products include matrix switches, distribution amplifiers, extenders, converters, splitters, cabling, and more.

SIIG is the premier one-stop source of upgrades and is committed to providing high quality products while keeping economical and competitive prices. High-quality control standards are evident by one of the lowest defective return rates in the industry. Our products offer comprehensive user manuals, user-friendly features, and most products are backed by a lifetime warranty.

SIIG products can be found in many computer retail stores, mail order catalogs, and e-commerce sites in the Americas, as well as through major distributors, system integrators, and VARs.