



Industrial USB to RS-232 Serial with 15KV ESD

Installation Guide

Introduction

The *Industrial USB to RS-232 Serial with 15KV ESD* provides additional high speed RS-232 serial ports to a PC via USB port.

Key Features and Benefits

- Compliant with USB 2.0 specification and backward compatible with USB 1.1
- Supports serial port data transfer rate up to 921.6Kb/s
- Separate 128-byte / 384-byte FIFO buffers for each port
- Redundant 9 to 24VDC power input
- 15KV ESD protection for RS-232 ports
- Power input surge protection (600W) for each port
- Wall and DIN rail mount support

System Requirements

- Desktop or notebook computer with an available USB port
- Windows® 8 (32-/64-bit) / 7 (32-/64-bit) / Vista (32-/64-bit) / XP (32-/64-bit)
- Windows Server® 2003 & 2008 (32-/64-bit) / 2008 R2 / 2012 / 2012 R2

Package Contents

- *4-Port or 8-Port Industrial USB to RS-232 Serial with 15KV ESD*
- USB 2.0 Type A to B cable
- Power adapter for ID-SC0U11-S1 only
- DIN-Rail and wall mount kit
- Driver CD and Installation guide

Layout

ID-SC0V11-S1



Figure 1: 4-Port Industrial USB to RS-232 Serial

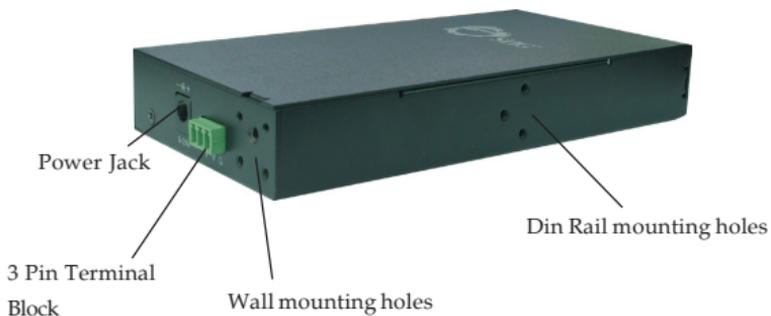


Figure 2: 4-Port Industrial USB to RS-232 Serial

ID-SC0U11-S1



Figure 3: 8-Port Industrial USB to RS-232 Serial

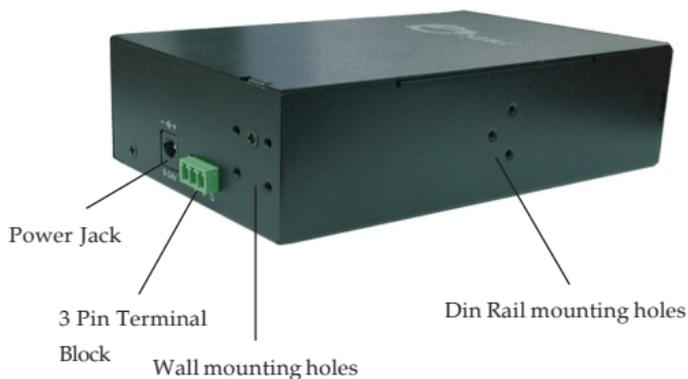
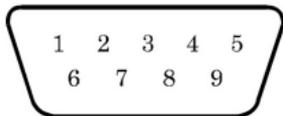


Figure 4: 8-Port Industrial USB to RS-232 Serial

DB-9 Pin Assignment



Pin No.	Signal
1	DCD
2	RxD
3	TxD
4	DTR
5	SG
6	DSR
7	RTS
8	CTS
9	RI

Figure 5: DB-9 Pin Assignment

Windows Installation

Follow the instructions below to install the *Industrial USB to RS-232 Serial* drivers.

Note: Connect the adapter to your computer before installing the driver.

Windows 8 (32-/64-bit) / Windows 7 (32-/64-bit) / Server 2008 R2

1. Insert the driver CD.
2. Right click **Computer**, and click **Manage**.

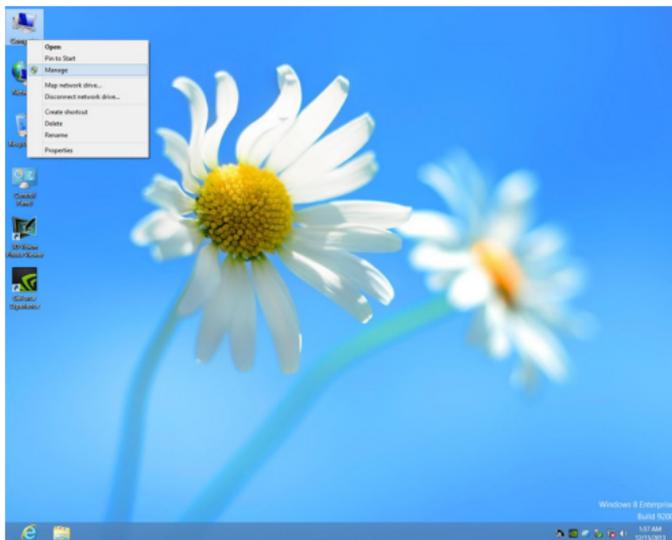


Figure 6

3. Click **Device Manager**, double click **Other devices**. Depending on the model purchased, there will be either 4 or 8 **Unknown devices** displayed.
4. Right click the first listed **Unknown device**, and click **Update Driver Software**.

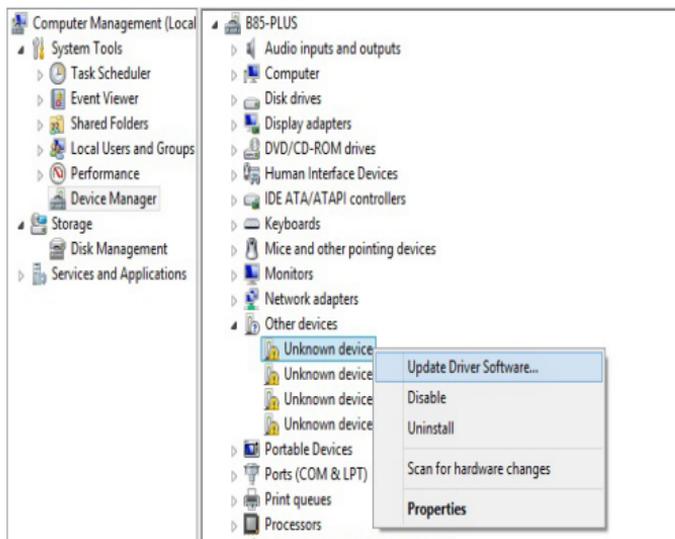


Figure 7

5. When below window is displayed, click **Browse my computer for driver software**.

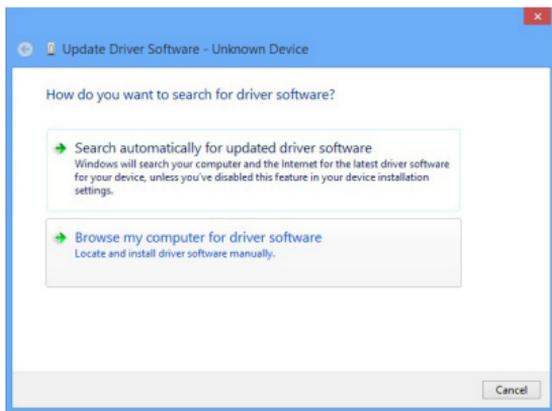


Figure 8

6. Browse to folder **x86** or **x64** on the driver CD, and click **Next**. **Note:** Use x86 folder for 32-bit systems and x64 folder for 64-bit systems.



Figure 9

7. The installation for one serial port is finished, see Figure 10.

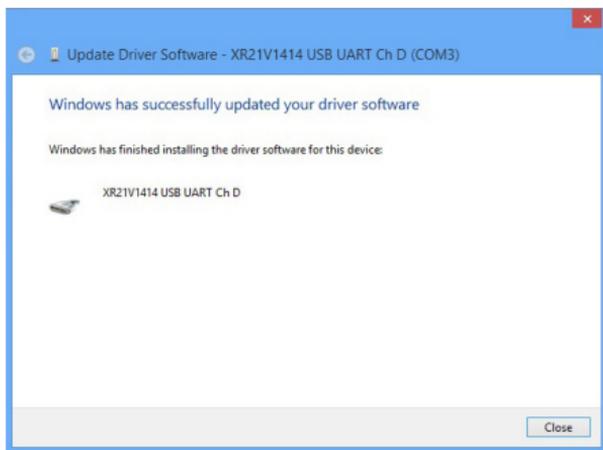


Figure 10

8. Repeat steps 4 through 7 for the remaining **Unknown device(s)** to complete the driver installation. **Important:** Select the **Unknown device** in the order that they appear.
9. The *Industrial USB to RS-232 Serial* is ready for use.

Windows Vista (32-/64-bit)

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



Figure 11

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



Figure 12

4. Browse to folder **x86** or **x64** on the driver CD, and click **Next**. **Note:** Use x86 folder for 32-bit systems and x64 folder for 64-bit systems.



Figure 13

5. Click **Close** to complete the installation.



Figure 14

Windows XP (32-/64-bit) / Server 2008 (32-/64-bit) / Server 2003 (32-/64-bit)

1. Insert the driver CD.
2. At the Found New Hardware Wizard window, click **Next**.



Figure 15

3. Choose **Install from a list or specific location (Advanced)**, and click **Next**.



Figure 16

4. Browse to folder **x86** or **x64** on the driver CD, and click **Next**. **Note:** Use x86 folder for 32-bit systems and x64 folder for 64-bit systems.



Figure 17

5. Click **Finish** to complete the installation.



Figure 18

Windows Server 2012 / 2012R2

1. Insert the driver CD.
2. Right click **Start**, and click **Device Manager**.

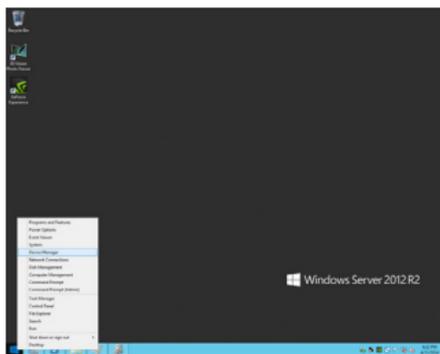


Figure 19

3. Double click **Other devices**. Depending on the model purchased, there will be either 4 or 8 **Unknown devices** displayed.
4. Right click the first listed **Unknown device**, and click **Update Driver Software**.

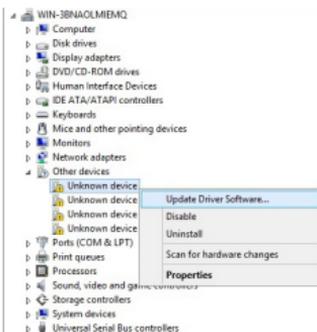


Figure 20

5. When below window is displayed, click **Browse my computer for driver software**.

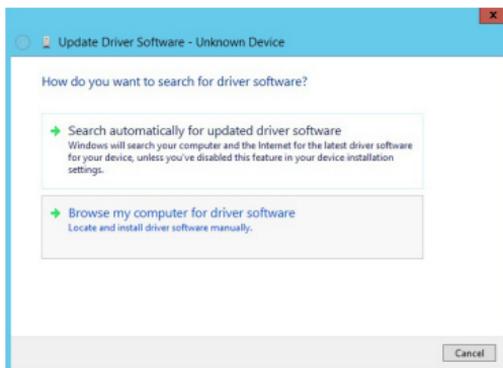


Figure 21

6. Browse to folder **x86** or **x64** on the driver CD, and click **Next**. **Note:** Use x86 folder for 32-bit systems and x64 folder for 64-bit systems.



Figure 22

7. The installation for one serial port is finished, see Figure 23.

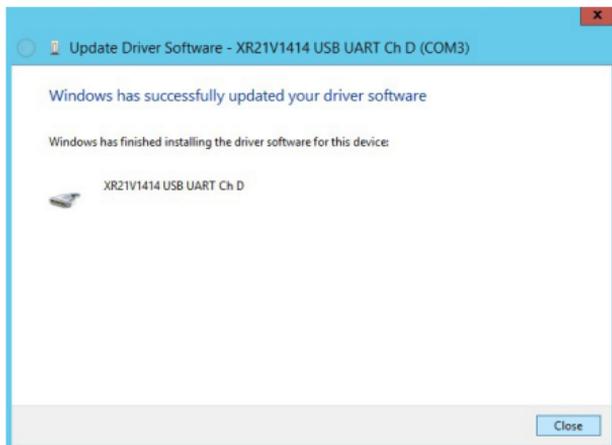


Figure 23

8. Repeat steps 4 through 7 for the remaining **Unknown device(s)** to complete the driver installation. **Important:** Select the **Unknown device** in the order that they appear.
9. The *Industrial USB to RS-232 Serial* is ready for use.

To Verify Windows Installation

1. Go to Device Manager to verify installation.
For Windows 8 / Windows 7 / Windows XP / Server 2003 & 2008 R2/ 2000: 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**.
For Server 2008: Right click **Computer**, click **Manage**, then double click **Diagnostics**, and click **Device Manager**.
For Server 2012/ 2012 R2: Right click **Start**, and click **Device Manager**.
2. Double click **Ports(COM & LPT)**. The new COM ports should be displayed.

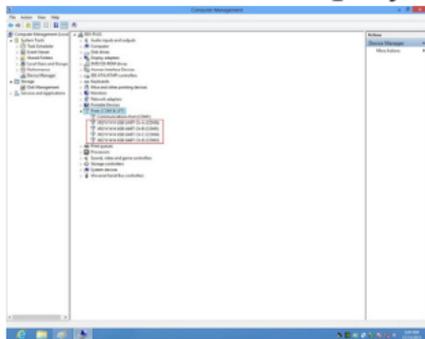


Figure 24

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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 5-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 five (5) 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 from.
- B) If your purchase has passed the store's return policy period, please follow the steps below 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 [SIIG RMA](#) 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 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. SIIG products offer comprehensive user manuals, many user-friendly features, and are backed by an extensive manufacturer warranty. High quality control standards are evident by the overall ease of installation and compatibility of our products, as well as one of the lowest defective return rates in the industry. SIIG products can be found in computer retail stores, mail order catalogs, through major distributors, system integrators, and VARs in the Americas and the UK, and through e-commerce sites.

PRODUCT NAME

4/8-Port Industrial USB to RS-232 Serial with 15KV ESD

FCC RULES: TESTED TO COMPLY WITH FCC PART 15, CLASS B
OPERATING ENVIRONMENT: FOR HOME OR OFFICE USE

FCC COMPLIANCE STATEMENT:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

THE PARTY RESPONSIBLE FOR PRODUCT COMPLIANCE

SIIG, Inc.

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