User Manual

- -

Industrial USB to RS232 Serial Adapter with 15KV ESD

Model#: GM-U24RS232 4-Port
GM-U28RS232 8-Port

Gearmo
www.Gearmo.com

Tel: 727-209-1300
Fax: 727-209-1302
email: support@gearmo.com

Introduction

Thank you for buying our product!

Please read the manual in detail first before start using this adapter.

Specifications subject to change without notice.

System Requirements

Desktop or notebook computer with an available USB port

Windows$^®$ 10 (32-/64-bit) / 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 Adapter

User Manual

Driver CD

USB 2.0 Type A to B cable

DIN-Rail and wall mount kit

Power adapter for GM-U28RS232 8-Port only

Layout:

GM-U24RS232 4-Port Industrial USB to RS232 Serial Adapter

USB Type-B   **Serial Ports x4**

Power Jack

3 Pin Terminal   Wall Mounting Holes   Din Rail Mounting Holes

USB Type B   Serial Ports x8

Power Jack

3 Pin Terminal Block   Wall Mounting Holes   Din Rail Mounting Holes
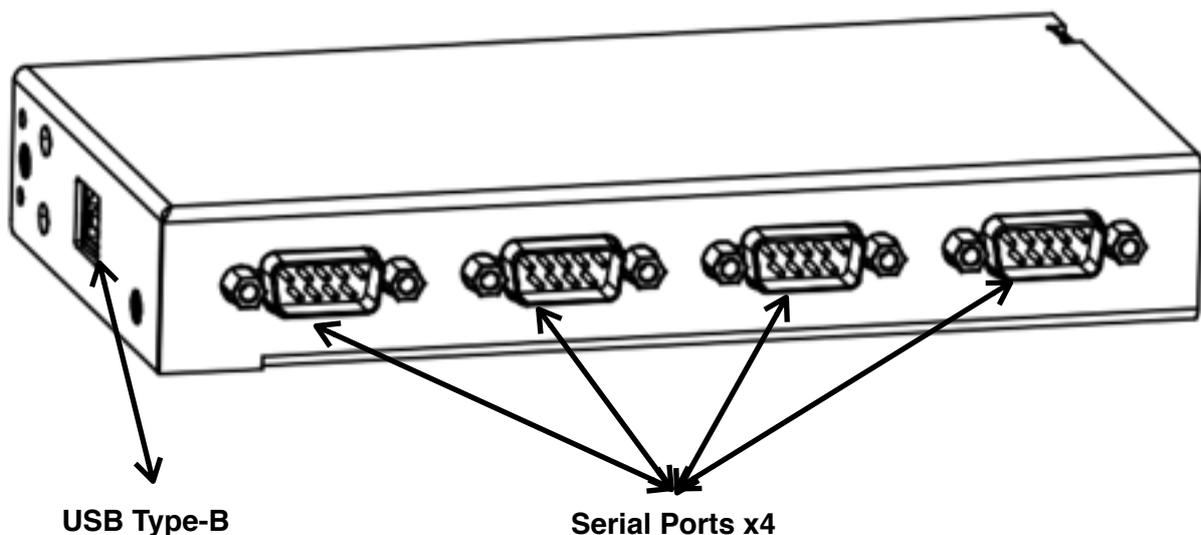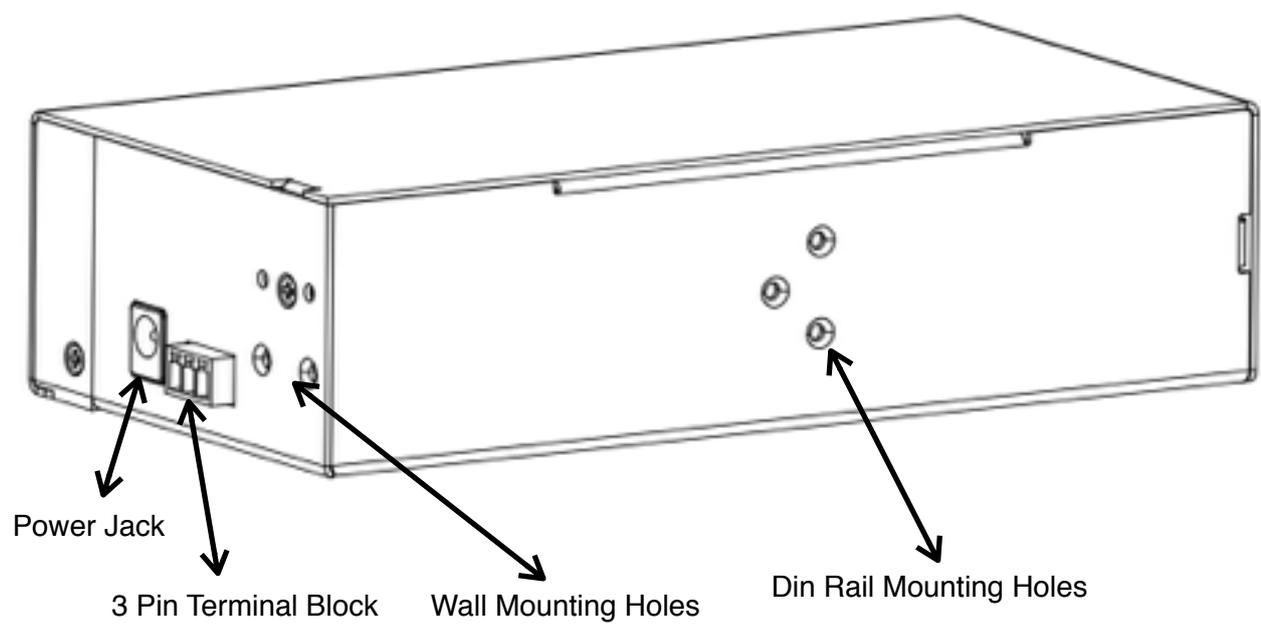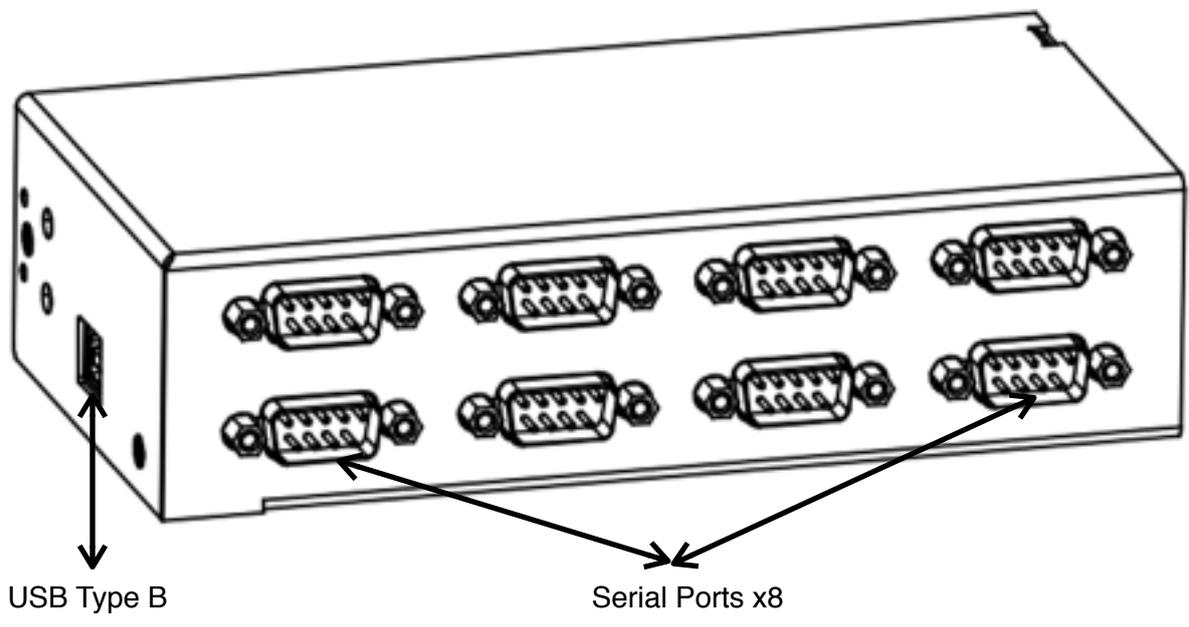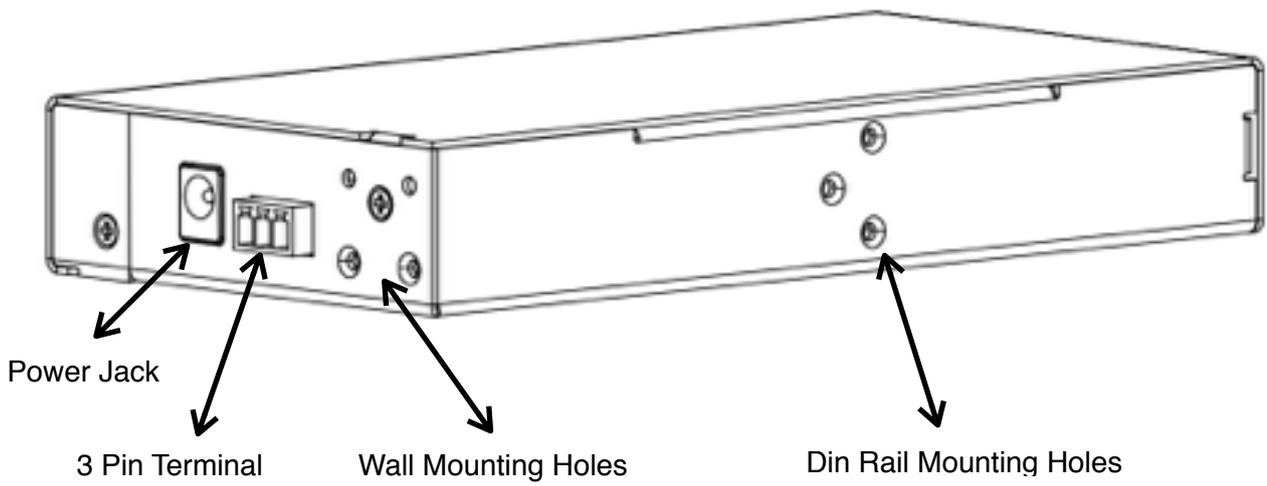
DB-9 Pin Assignments
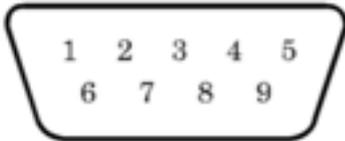
Pin	Assignment
1	DCD
2	RXD
3	TXD
4	DTR
5	SG
6	DSR
7	RTS
8	CTS
9	RI

Windows Installation

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

Windows10 (32-/64-bit) / Windows 8 (32-/64-bit) / Windows 7 (32-/ 64-bit) / Server 2008 R2

1. Insert of the driver CD.

2. Right click **computer** and click **Manage**.

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**.

5. In the dialog box that appears, click **Browse my computer for driver software**.

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.

7. The installation for one serial port is finished.

8. Repeat steps 4 through 7 for the remaining **Unknown device(s)** to complete the driver installation. **Important:** Select the **Unknow 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).**

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

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.**

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

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**.

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

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.

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

Windows Server 2012 / 2012R2

1. Insert the driver CD.

2. Right click **Start**, and click **Device Manager**.

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 U**pdate Driver Software**.

5. In the dialog box that appears, click **Browse my computer for driver software**.

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.**

7. The installation for one serial port is finished.

8. Repeat steps 4 through 7 for the remaining **Unknown device(s)** to complete the driver installation. **Important:** Select the **Unknow 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 10 / 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.