

Industrial USB 3.0 Hub with 15KV ESD Protection

Quick Installation Guide

Introduction

The *Industrial USB 3.0 Hub with 15KV ESD Protection* is built with high quality components and different levels of protection to withstand harsh industrial environments.

Features and Benefits

- Compliant with Universal Serial Bus 3.0 Specification
- Industrial grade rugged metal housing enclosure design
- Redundant 9 to 24VDC power input
- 15KV ESD USB interface protection
- Power input surge protection (600W) for each port
- Over-current detection and protection circuit design
- Wall and DIN rail mount support

System Requirements

- Desktop or notebook with an available USB port (USB 3.0 is recommended)
- Windows® 10 (32-/64-bit) / 8 (32-/64-bit) / 7 (32-/64-bit) / Vista (32-/64-bit) / XP (32-/64-bit) / Server 2003 & 2008 (32-/64-bit) / Server 2008 R2

Package Contents

- *Industrial USB 3.0 Hub with 15KV ESD Protection*
- USB 3.0 type A to B cable (2 meters)
- DIN-Rail and wall mount kit
- Terminal block
- Quick installation guide

Powering the Hub

The *Industrial USB 3.0 Hub with 15KV ESD Protection* requires a 9-24 VDC external power source (not included) to work. Power up the *Industrial Hub* through either the **DC Power Jack** or **3-Pin Terminal Block**.

DC Power Jack

Plug the power adapter into a reliable power source, then connect it to the hub's **DC Power Jack**. (Power adapter not included)

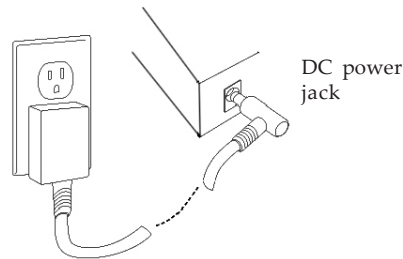
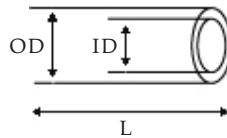


Figure 3: DC In

Refer to the Table below for the specifications of the DC power adapter.



Outside diameter (OD)	Inside diameter (ID)	Plug length (L)	Negative / Positive
5.5+/-0.05 (mm)	2.1+/-0.05 (mm)	10+/-0.3 (mm)	<p style="text-align: center;">- — ● — +</p> <p style="text-align: center;">Center pin for positive voltage and the outer shield for negative voltage</p>

Table 1: Power Adapter Specifications

3-Pin Terminal Block

Plug the included terminal block into the hub's terminal block connector. See **Figure 4**. Refer to **Pin Assignment** in the next section for wiring the power adapter (power adapter not included).

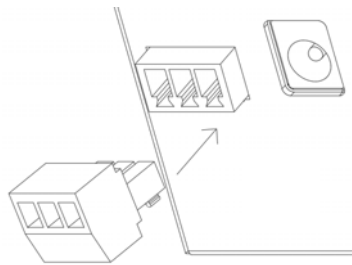
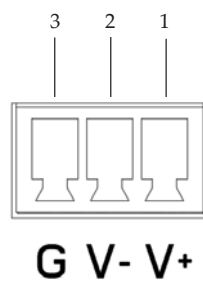


Figure 4: Power Terminal

Pin Assignment



Pin	
1	9-24 VDC
2	GND
3	CGND

Figure 5

USB Type B Upstream Port

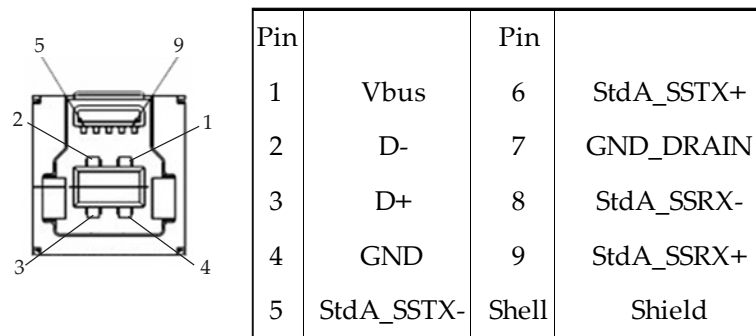


Figure 6

Hardware Installation

Mount your hub on the wall or DIN-Rail, if needed.

DIN-Rail Mounting

1. Use the included screws to install the DIN-Rail kit to the hub.

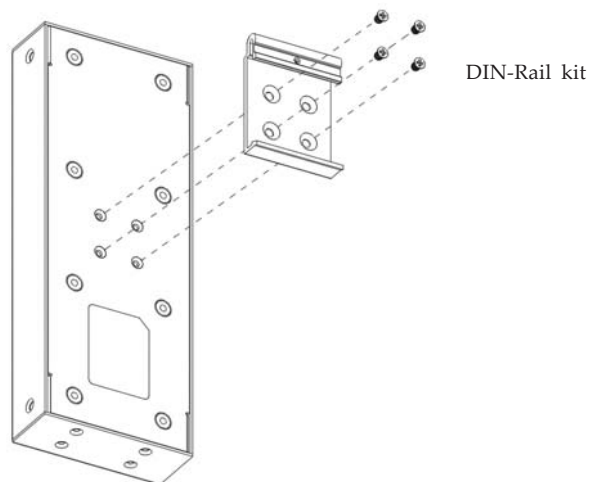


Figure 7

2. Insert the top of the DIN-Rail clip onto the DIN-Rail track, then gently push the bottom of the hub to secure it to the DIN-Rail track. See **Figure 8**.

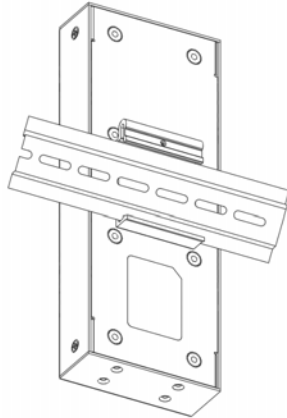


Figure 8

Wall Mount Plate Mounting

Use the provided Wall Mount Plate to mount the hub to the wall. See **Figure 9**.

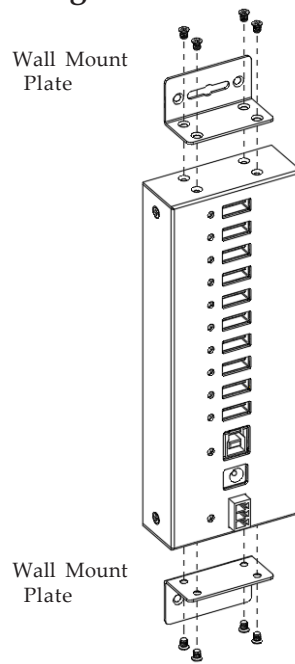


Figure 9