

USBGear 4-Port USB3.0 Metal Hub with Surge Protection and DIN RAIL Mounting Kit Installation Guide

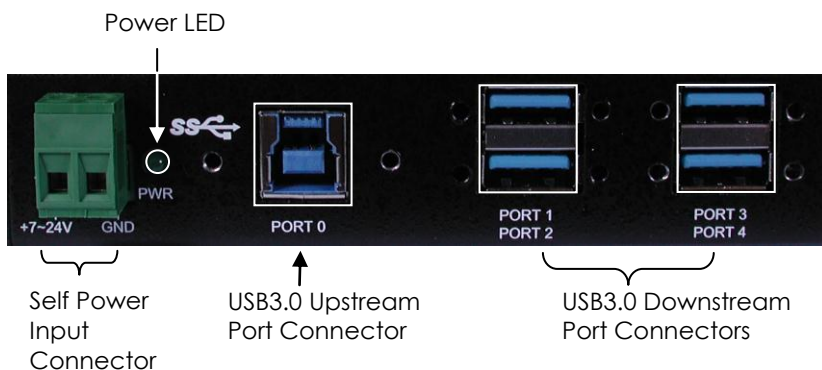
1. Introduction

Thank you for purchasing our USBGear Super-speed 4-port USB3.0 hub. It provides an ideal solution to expand 4 USB3.0 ports from one single USB3.0 host port. It provides a wide range self power source (+7~24VDC from 2-pin Terminal Blocks) to provide enough power on USB3.0 buses.

Features:

- ✓ Compliant with USB Specification Revision 3.0
- ✓ Rigid and Wall-mountable Metal Case
- ✓ Provides 4 Downstream USB3.0 Facing Ports
- ✓ Supports 5Gbps (Super-speed), 480Mbps (High-speed), 12Mbps Full-speed) and 1.5Mbps (Low-speed) Speed
- ✓ Supports 350-Watt Surge Protection for Each Port
- ✓ Multi Transaction Translators (TT) per Hub
- ✓ Support USB Battery Charging: CDP and DCP modes
- ✓ Supports USB Screw-Lock Cable Mechanism
- ✓ Supports DIN RAIL Mounting Kit

2. Connector Layout



- **USB3.0 Upstream Port Connector:** Type-B connector from upstream USB3.0 port. It is connected from host or another USB3.0 hub. Supports both normal and screw-lock type USB cables.
- **USB3.0 Downstream Port Connectors:** There are 4 Type-A connectors for USB3.0, USB2.0 or USB1.1 devices. They support both normal and screw-lock type USB cables.

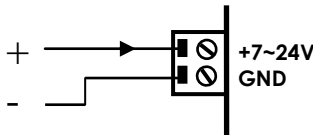


- **Self Power Input Connector:** This 2-pin (one pin for positive voltage and the other pin is GND) terminal block connector is used to connect strong power to self-power the hub, the voltage can be in the range from +7V to 24VDC.



WARNING!!

Please make sure the polarity of the input power should be correctly matched with the terminal block pins to function properly.

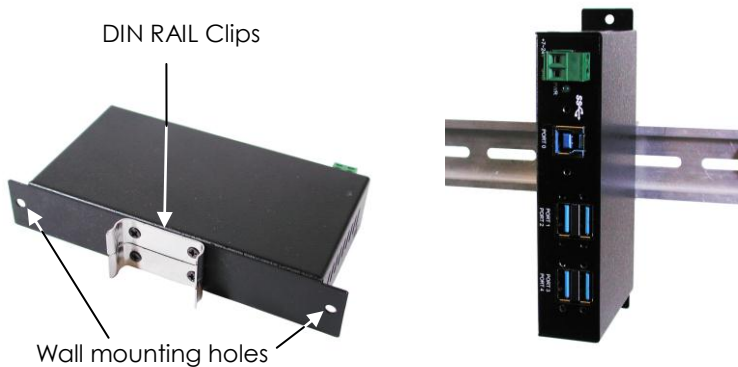


3. Hardware Installation

1. Use static electricity discharge precautions.

Remove possible static discharge potential from any objects that the hub may come in contact with before installation. This can be accomplished by touching a bare metal chassis rail after you have turned off the power.

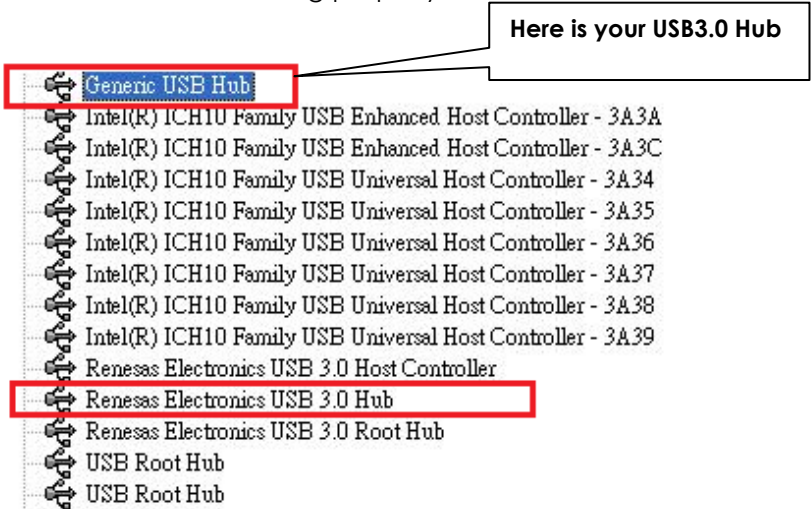
- 2. Apply DC power (range from +7V to 24V) to the 2-pin Terminal Block Connector.** The hub was self-powered by this connector.
- 3. Connecting USB Host cable:** The host cable could be either a standard A-to-B USB3.0 cable or an optional A-to-B USB3.0 screw-lock cable. Please connect the type-A end connector of the cable to your PC's host USB3.0 port, then insert the type-B end connector to this hub. Since the USB hub is plug-and-play, you don't have to turn off your host computer when installing the hub.
- 4. Connect the USB devices to the downstream ports of this hub.**
- 5. Mount your hub on the wall or DIN RAIL if required.**



4. Checking the USB3.0 Hub Installation

To check the USB3.0 hub installation in Windows device manager, please follow the following steps:

1. Click **Start** → **Control Panel** → **System** → **Device Manager** button
2. Double click **Universal Serial Bus Controller**
3. Double click **Generic USB Hub**, the message will show that this device is working properly.



5. Environmental Specifications

- Operating temp.:** 0 to 55C (32 to 131F)
- Operating humidity:** 5 to 95% RH
- Dimensions (LxWxH):** 5.61"(L)x2.56"(W)x1.03"(H)
(14.25x6.52x2.63 cm)

- Item Number:** USBG-4U3ML
- UPC:** 72944069054