

## Mountable 12-Port USB 3.0 Powered Industrial Hub PC-MAC

### 1. Introduction: USBG-12u3ml

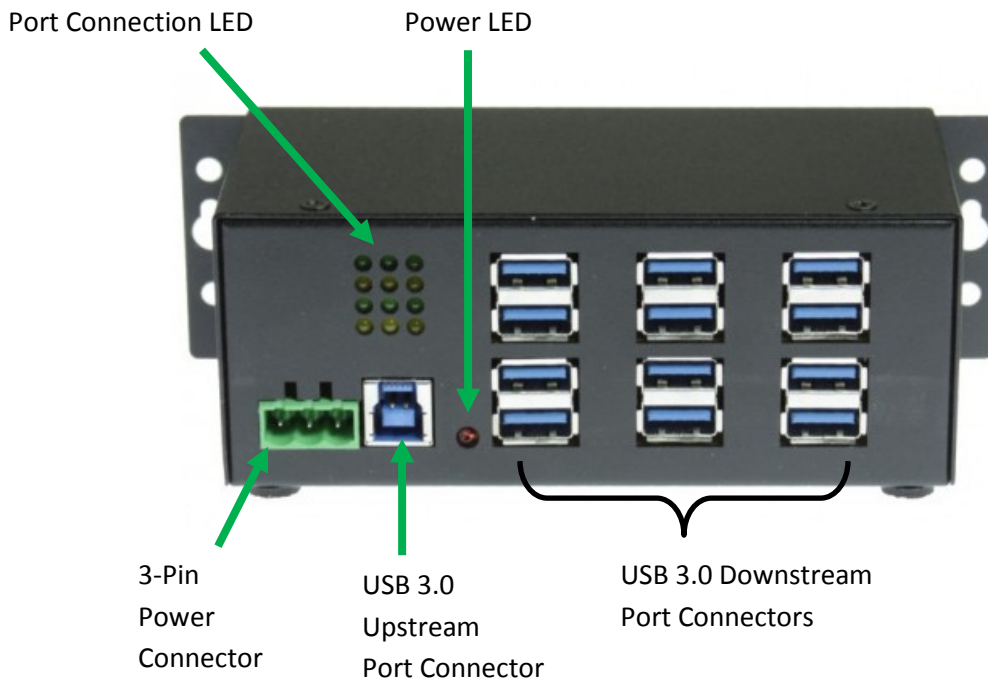
This Super-Speed 12-port USB 3.0 hub provides an ideal solution to expand 12 USB 3.0 ports from one single USB 3.0 host port. It provides a wide range self power source (+7~24V from a 3-pin Terminal Block) to supply enough power on USB 3.0 buses.

#### FEATURES:

- Compliant with USB Specification Revision 3.0
- Rigid and Wall-mountable Metal Case
- Provides 12 Downstream USB 3.0 Facing Ports
- Supports 5Gbps (Super-Speed), 480Mbps (High-Speed), 12Mbps (Full-Speed), and 1.5Mbps (Low-Speed) speed
- Supports self power mode with 3-pin terminal block connection
- Multi Transaction Translators (TT) per Hub
- Supports DIN RAIL Mounting Kit



### 2. Connector Layout



- **USB 3.0 Upstream Port Connector:** Type-B connector from upstream USB 3.0 port. It is connected from host or another USB 3.0 hub. Supports normal type USB cables.
- **USB 3.0 Downstream Port Connectors:** There are 12 Type-A downstream connectors for USB 3.0, USB 2.0 or USB 1.1 devices. They support normal type USB cables.
- **Self Power Input Connector:** This 3-pin terminal block connector is used to connect strong power to self-power the hub; the voltage can be in the range from +7V to 24V.



### 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 3-pin Terminal Block Connector.** The hub is self-powered by this connector.
3. **Connecting USB Host cables:** The host cable is a standard A-to-B USB 3.0 cable. Please connect the type-A end connector of the cable to your PC's host USB 3.0 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 Hub Installation

To check the USB hub installation in Windows device manager, please follow the following steps:

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



### 5. Environmental Specifications

<b>Operating Temperature:</b>	0 to 55°C (32 to 131°F)
<b>Storage Temperature:</b>	-20°C to 85°C (-4 to 185°F)
<b>Operating Humidity:</b>	5 to 95% RH
<b>Dimensions (LxWxH):</b>	6.156" (L) x 2.59" (W) x 1.97" (H) (156.36mm x 65.79mm x 50.04mm)

