



4-Port USB 3.0 Rugged Industrial Din Rail Mount Hub

Gearmo
Version 1.0
March 2018
Model # GM-HU34



Product Manual

www.gearmo.com

REVISION HISTORY

Revision	Date	Author	Comments
1.0	03/16/2018	Gearmo	Gearmo Manual

ABOUT THIS DOCUMENT

This product manual outlines installation and features of the GM-HU34 4-Port USB 3.0 Rugged Industrial Din Rail Mount Hub.

SCOPE

The scope of this manual is to give the user of the product an understanding of its use with detailed diagrams and verbiage. The manual allows the users to apply the product to their application.

INTENDED AUDIENCE

This product is intended for use in home or office environments for Super-Speed data transfer applications or USB 3.0 compatible devices and more...

PRODUCT SUPPORT

support@gearmo.com

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1. INTRODUCTION

The GM-HU34 Hub is a USB 3.0 specification compliant with up to 5Gbps data transfer speeds depending systems usage. The hub construction is industrial-grade metal with two available mounting options (1) DIN-Rail mount secured to the back panel of the hub and (2) Mounting brackets on either end of the hub secured by 4 screws for each bracket.

The GM-HU34 has a built-in female 3-wire terminal block connector allowing for additional power, also is manufactured with a 9-24V power receptacle for an additional power supply to be used with higher power consumption devices, power supply is not included with this unit.

The GM-HU34 Hub works with 4 Type-A female downstream ports and 1 Type-B upstream port from your computer to the device's hub. The power supply for this hub is sold separately.

WEIGHT	.618 lbs.
UPC	736983901088
WARRANTY	1 year from date of purchase
COLOR	Black
PORTS	(4) USB 3.0 Type-A Female / (1) USB Type-B Female
Dimensions	139(W)x 68.97(D)x 24.95mm (H)

1.1 Features

- Industrial grade rugged metal enclosure design
- Redundant 9V DC to 24V DC 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
- Supports UASP function (with Windows 8 native USB 3.0 Host driver only)

1.2 Specifications

Connector Ports	
USB Type-A	4 USB 3.0 Female/ Backward compatible with USB 2.0
USB Type-B	1 Female
Physical	
Weigh	.618 lbs.
Dimensions	139(W)x 68.97(D)x 24.95mm (H)
Construction	Industrial-grade Metal

Power	
Charging	900mA per port max.
Power Profile	
USB Type-A Output	900 mA per port
Input Voltage	9V DC – 24V DC
Power Consumption	2.4W
Protections	
ESD Protection	Built-in 15KV
Surge Protection	600W
Current	Over-current detection and protection
Mounting	
DIN Rail	Din Rail Clip (included)
Surface	Surface Mounting Brackets (included)
Applications	Super-Speed data transfer, USB 3.0 external devices
Support	
Device Support	External HDD, GPS, Digital Cameras, USB Printers etc...
9V DC – 24V DC	9V DC – 24V DC
LED's	PWR
Environmental Specifications	
Operating Temperature	0°C - 40°C
Operating Humidity	5% - 85%
Storage Temperature	-20°C - 50°C
Storage Humidity	5% - 95%
Atmosphere	70 – 106Mpa
Operating Altitude	-1000 to 10000 FT.

1.3 Specifications (Continued)

- Chipset: VIA VL811+
- Supports UASP function (with Windows 8 native USB 3.0 Host driver only)
- Compliant with Universal Serial Bus 3.0 Specification
- Maximum data transfer rate: 5Gbps
- Surge Protection: 600W (max)
- Metal housing with mounting mechanism
- Interfaces/Ports:
 - a. Input: 1, 9-pin, USB 3.0, Type B, Female
 - b. Input: 1, Terminal block (3-Wire), Power
 - c. Input: 1, DC power adapter jack (power adapter not included)
 - d. Output: 4, 9-pin, USB 3.0, Type A, Female
- Power requirements:
 - a. Input voltage: 9VDC~24VDC
 - b. Output current: 900mA per port (max)
- Power consumption: 2.4W

- LED Indicate Mode:

	Solid Light Green Color	Blinking Green Color	No Light
INSERT Device	Y		
R/W	Y		
POWER ON	Y		

2. PACKAGE CONTENTS

USB 3.0 Cable	1 PC
DIN Rail	1 PC
Wall Mount Kit	1 Set
Screw Pack	1 Pack

2.1 Notes, Tips, Warnings, Safety, and Troubleshooting

Note	N/A
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Tip	USB 3.0 speeds will only be achieved when connected to a USB 3.0 host; the devices connected to the hub will take on USB 2.0 speeds if they are a USB 2.0 device.
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Warning	N/A
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Safety	N/A
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Troubleshooting	N/A
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