

USB-C 4 Port Power Delivery Hub with 2 Type C PD Ports and 3 USB 3.1 Type A Ports



Product Manual

Coolgear, Inc. Version 1.1 September 2017 Model Number: CG-UC31PD4H

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Revision History

Revision	Date	Author	Comments
1.1	10/25/2017	Coolgear	New Manual Format

About this document

This product manual outlines installation and features of the CG-UC31PD4H USB-C 4 Port Power Delivery Hub with 2 Type C PD Ports and 3 USB 3.1 Type A Ports.

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 numerous industries including but not limited to applications such as; Automotive, Machine Equipment, Kiosk, Office, and others.

Product Support

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1. Introduction

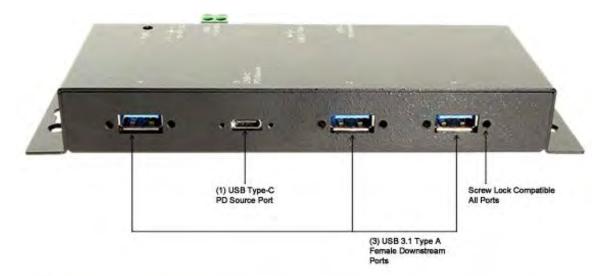
4-Port USB-C PD hub includes 2 USB-C PD-source ports and 3 USB-A USB 3.1 port to give you a multi-function hub. This hub can be used while connected to your MacBook, Chromebook, or other Type-C enabled laptop to provide charging power to mobile devices.

WEIGHT	.656 lbs
DIMENSIONS	5.98" (7.05" with ears)(L) x 2.35"(W) x.93"(H)
UPC	045079159150
WARRANTY	1 year from date of purchase
COLOR	Black
DOWNSTREAM PORTS	4 (1 USB 3.1 Type-C Port and 3 USB Type-A)
UPSTREAM PORTS	1 (USB 3.1 Gen1 Type-C Port)

1.1 Features



1.2 Connector Layout



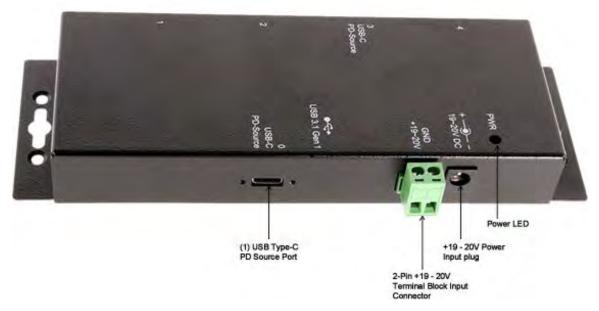


Figure 1

Self Power	Power Delivery Support	Terminal Block Power
A unique self-power mode supports fast USB charging by converting standard downstream ports (SDP) into Charging Downstream Port (CDP) or Dedicated Charging Ports (DCP).	PD Supports power source: 20V/5A, 14.5V/2A, 12V/3A and 5V/3A through the reversible USB Type-C port connection.	Input: 18~20V DC From DC Jack or Terminal Blocks for self power mode.



1.3 Supported USB Devices

• Supports keyboard, mouse, monitor, scanner, printer, PC Camera, telephone, DVD drive, joystick, virtual reality helmet, modem, PBX and many more USB devices

1.4 I/O Hardware

- Supports 1 USB-C PD Upstream Port Connector, 1 USB-C and 3 USB-A Downstream Port Connectors.
- Supports a 2-pin Terminal Block Connector for external power input from AC adapter

1.5 Environmental Specifications

Specification	Data
Operating Temperature:	0-55°C (32 to 131°F)
Storage Temperature:	-20 to 85°C (-4 to 185°F)
Operating Humidity:	5 to 95% RH

2. Notes, Tips, Warnings, and Safety

Note	For Systems with USB3.1, USB2.0, or USB1.1 Ports	
Тір	N/A	
Warning	N/A	
Safety	 Read the entire Product Manual before implementing this product for your application. This manual contains important information about electrical connections that must be followed for safe and proper operation. Inspect the product closely for visual defects before putting it to use. Keep away from areas where moisture builds, this product contains electrical components that can be damaged by moisture build up, this can adversely affect your equipment connected to it. Do not disassemble the product. Handling the product's internal components can expose it to ESD (Electro-Static Discharge) hazards that can affect the function of the device. If this product is not functioning properly, email our support team at support@coolgear.com. 	



3. Supporting References

Document	Link
Website Product Page	https://www.coolgear.com/product/usb-c-4- port-hub-wpower-delivery-15kv-esd-surge- protection-usb-3-1-gen1

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