Coolgear CG-4PU31C1B1

Coolgear USB C Hub 4 Port USB 3.1 Gen1 SuperSpeed Type-B Upstream User Manual

Model: CG-4PU31C1B1

1. INTRODUCTION

Thank you for choosing the Coolgear USB C Hub. This device is designed to expand your computer's connectivity by providing four additional USB 3.1 Gen1 SuperSpeed ports (one USB-C and three USB-A) from a single USB Type-B upstream connection. It is ideal for connecting multiple USB peripherals such as external hard drives, keyboards, mice, printers, and more, all while maintaining high-speed data transfer capabilities.

2. FEATURES

- Compliant with USB 3.1 Gen 1 Specifications.
- Provides 4 (1 USB-C and 3 USB-A) downstream facing USB 3.1 ports.
- Supports 5Gbps (SuperSpeed), 480Mbps (High-Speed), 12Mbps (Full-Speed), and 1.5Mbps (Low-Speed) speeds.
- Supports 15KV ESD Surge Protection for enhanced durability.
- Supports USB battery charging: CDP (Charging Downstream Port) and DCP (Dedicated Charging Port) modes.
- Industrial-grade metal housing with mounting flanges for secure installation.
- Wide range 7-48V DC power input via terminal block.

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- Coolgear USB C Hub (Model CG-4PU31C1B1)
- USB 3.1 Type-B to Type-A Cable
- Mounting Hardware (screws and clip)

Image: All components included in the Coolgear USB C Hub package.

4. SETUP

Follow these steps to set up your Coolgear USB C Hub:

1. **Connect to Host Computer:** Locate the USB 3.1 Type-B port on the hub (labeled '0' with a USB-B icon). Connect one end of the provided USB 3.1 Type-B to Type-A cable to this port. Connect the other end (Type-A) to an available USB 3.1 (or compatible) port on your host computer.

Image: The USB 3.1 Type-B upstream cable connected to the hub.

2. **Connect Peripherals:** Connect your USB devices (e.g., flash drives, external hard drives, keyboards, mice) to the available downstream USB-A ports (labeled '2', '3', '4') or the USB-C port (labeled '1').

Image: The hub with both upstream (Type-B) and a downstream (Type-C) device connected.

3. **Power Connection (Optional/Required for high-power devices):** For stable operation, especially with multiple high-power devices, connect a 7-48V DC power supply to the terminal block on the hub. Ensure correct polarity (+ and -). The 'PWR' LED indicator will illuminate when power is supplied.

Image: Front view of the hub, highlighting the power input terminal block and various USB ports.

4. **Mounting (Optional):** The hub features integrated mounting flanges. Use appropriate screws to secure the hub to a surface if permanent installation is desired.

Image: Side view of the hub demonstrating the integrated mounting bracket.

5. OPERATION

The Coolgear USB C Hub is a plug-and-play device, requiring no special drivers for most operating systems. Once connected, your computer should automatically detect the hub and any connected devices.

- **Data Transfer:** Enjoy SuperSpeed data transfer rates of up to 5Gbps with compatible USB 3.1 Gen1 devices. The hub is also backward compatible with USB 2.0 and USB 1.1 devices, operating at their respective speeds.
- **Charging:** The hub supports USB battery charging (CDP and DCP modes), allowing you to charge compatible devices connected to its downstream ports.
- **LED Indicator:** The 'PWR' LED indicates that the hub is receiving power.

6. SPECIFICATIONS

Feature	Specification
Model Number	CG-4PU31C1B1
Product Dimensions	3.74 x 2.23 x 1.03 inches
Item Weight	15 ounces
Brand	Coolgear
Color	Black
Hardware Interface	USB, USB Type C
Data Transfer Speed	Up to 5Gbps (USB 3.1 Gen1 SuperSpeed)
ESD Protection	15KV
Power Input	+7~48V DC via Terminal Block
Compatible Devices	Laptops, Desktops, Keyboards, Mouse, Printers, Tablets

7. TROUBLESHOOTING

If you encounter issues with your Coolgear USB C Hub, please refer to the following common problems and solutions:

- **Device Not Recognized:**
  - Ensure all cables are securely connected to both the hub and the host computer.
  - Try connecting the hub to a different USB port on your computer.
  - If using an external power supply, ensure it is correctly connected and providing the specified voltage.
  - Restart your computer.

- **Slow Data Transfer Speeds:**
  - Verify that both your host computer's USB port and the connected device support USB 3.1 Gen1 (SuperSpeed).
  - Ensure you are using a high-quality USB 3.1 cable.
  - Avoid connecting too many high-bandwidth devices simultaneously.

- **Power Issues / Devices Not Charging:**
  - Ensure an external power supply is connected if you are using high-power devices or charging.
  - Check the power supply voltage and current to ensure it meets the hub's requirements.

- Some devices may require more power than the hub can provide, even with an external power supply.

8. MAINTENANCE

To ensure the longevity and optimal performance of your Coolgear USB C Hub, follow these maintenance guidelines:
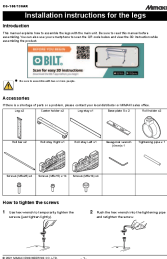
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the hub. Do not use liquid cleaners or aerosols.
- **Storage:** Store the hub in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Handling:** Avoid dropping the hub or subjecting it to strong impacts. Do not attempt to disassemble the unit.
- **Environment:** Keep the hub away from water, moisture, and excessive dust.

9. WARRANTY AND SUPPORT

Coolgear products are designed for reliability and performance. For specific warranty information, please refer to the documentation included with your purchase or visit the official Coolgear website. If you require technical assistance or have questions about your product, please contact Coolgear customer support through their official channels. For more information and support, visit the Coolgear Store on Amazon.

Related Documents - CG-4PU31C1B1

	Hitachi Grass Trimmer/Brush Cutter User Manual Comprehensive user manual for Hitachi Grass Trimmers and Brush Cutters, covering safety instructions, specifications, assembly, operation, and maintenance for various models including CG 22EAS, CG 22EAD, CG 22EAB, and CG 24EASP series.
	Mimaki CG-100/130AR Leg Installation Instructions Comprehensive guide detailing the installation and assembly of legs for Mimaki CG-100 and CG-130AR printers. Includes parts list, step-by-step instructions with textual descriptions of diagrams, and tips for secure assembly.

	Chord CG Series Guitar Amplifiers User Manual Comprehensive user manual for the Chord CG Series Guitar Amplifiers, including models CG-10, CG-15, CG-30, and CG-60. Provides essential information on setup, operation, safety, specifications, and troubleshooting for these guitar amplifiers.
	LANDMANN Charcoal Barrel Barbecue CG-III-660/1 CG-III-440/1 Assembly and Operating Instructions Comprehensive assembly and operating instructions for the LANDMANN Charcoal Barrel Barbecue models CG-III-660/1 and CG-III-440/1. Includes safety guidelines, usage tips, cleaning, and disposal information.
	KEYENCE VS Series Vision System with Built-in AI - Product Overview Explore the KEYENCE VS Series, an advanced vision system featuring built-in AI and ZoomTrax technology for fast set-up, optimal image quality, and flexible inspection capabilities. Discover its features, applications, and configuration options.
	Visual Comfort Lomme Small Pendant Assembly Instructions - Model CD 5027 Step-by-step assembly instructions for the Visual Comfort Lomme Small Pendant (Model CD 5027), including required tools, installation guidance, and care tips.

Documents - Coolgear – CG-4PU31C1B1

[pdf] User Manual Diagram

CG 4PU31C1B1 Product Manual Coolgear coolgear 2017 02

USB C Hub 4 Port USB 3.1 Gen1 SuperSpeed Type-B Upstream Product Manual Coolgear, Inc. Version 1.1 September 2017 Model Number: **CG-4PU31C1B1** www.coolgear.com 2 **CG-4PU31C1B1** Product Manual Revision History Revision Date 1.0 10/9/2015 Author Coolgear Comments New Manual About this document T...

lang:en score:62 filesize: 328.88 K page_count: 9 document date: 2017-10-09

[pdf] Installation Guide Specifications Guide

CG 4PU31C1B1 Installation Guide coolgear 2017 02 |||

4-Port USB3.1 Gen 1 Type-C Metal Hub w/DIN RAIL Mounting Kit Model Number: **CG-4PU31C1B1** Installation Guide Coolgear, Inc. Version: 1.0 Date: 04/17/2024 4-Port USB3.1 Gen 1 Type-C Metal Hub Installation Guide 2 Table of Contents 1. Introduction 2 2. Connector Layout 2 3. Hardware Installatio...

lang:en score:62 filesize: 1.68 M page_count: 6 document date: 0000-00-00

[pdf] Decleration of Conformity

CG 4PU31C1B1 REACH 233 Compliance Declaration 1 coolgear 2017 02 |||

Coolgear, Inc. 5120 110th Ave N Clearwater, FL 33760 P: 1-727-209-1300 F: 1-727-209-1302 REACH 233 Compliance Declaration Product: **CG-4PU31C1B1** Description: 4 Port USB 3.2 Gen 1 Type-C Hub w/ ESD Surge Protection REACH is the European Community Regulation on chemicals and their safe use EC 1907/2...

lang:en score:45 filesize: 34.94 K page_count: 1 document date: 2023-04-10

[pdf] Installation Guide Specifications Datasheet Guide Accessories

CG 4PU31C1B1 Technical Data Sheet Coolgear USB C Hub 4 Port 3 1 Gen1 SuperSpeed Type B Upstream Model Number hub provides ports to include A and View coolgear 2017 02 |||

Technical Data Sheet USB C Hub 4 Port USB 3.1 Gen1 SuperSpeed TypeB Upstream Model Number: **CG-4PU31C1B1** USB C hub provides 4 USB 3.1 Gen1 ports to include 3 USB-A ports and 1 USB C port. An ideal mini hub for super-speed data transfer in industrial environments The USB C hub is a generation 1 hub ...

lang:en score:44 filesize: 121.92 K page_count: 3 document date: 2017-10-09

[pdf] Decleration of Conformity

CG 4PU31C1B1 RoHS 3 2015 863 EU Compliance Declaration coolgear 2017 02 |||

Coolgear, Inc. 5120 110th Ave N Clearwater, FL 33760 P: 1-727-209-1300 F: 1-727-209-1302 RoHS 3 2015/863/EU Compliance Declaration Product: **CG-4PU31C1B1** Description: 4 Port USB 3.2 Gen 1 Type-C Hub w/ ESD Surge Protection This statement certifies that the product s specified above do not to the...

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Installation Guide Specifications Datasheet Guide Accessories

CG 4PU31C1B1 Technical Data Sheet Coolgear 425A M3 Panasonic BSG ÐÐ°ÑÐ°ÑÐµĐ¹Ð°Ð¸ Ð°ÐºÑĐ¼Ð»ÑÑÐ¾ÑĐ½Ñ Ð²ÑĐ¾Ð¸Ð½Ð½Ñ RX Electronics Limited cg 4pu31c1b1 rxelectronics ua datasheet 38 |||
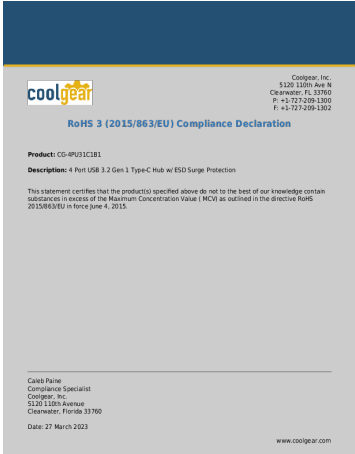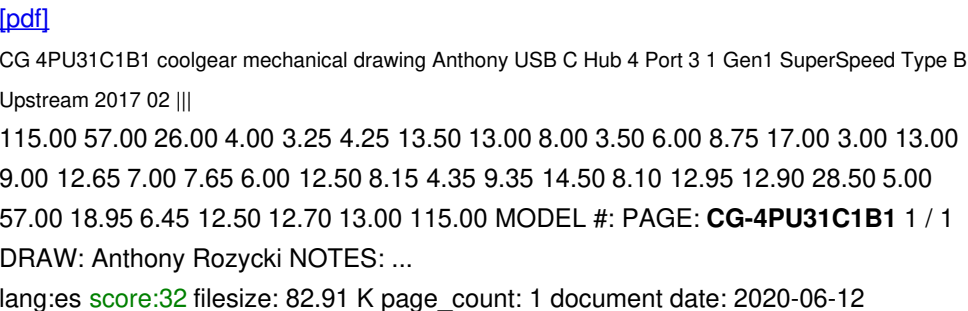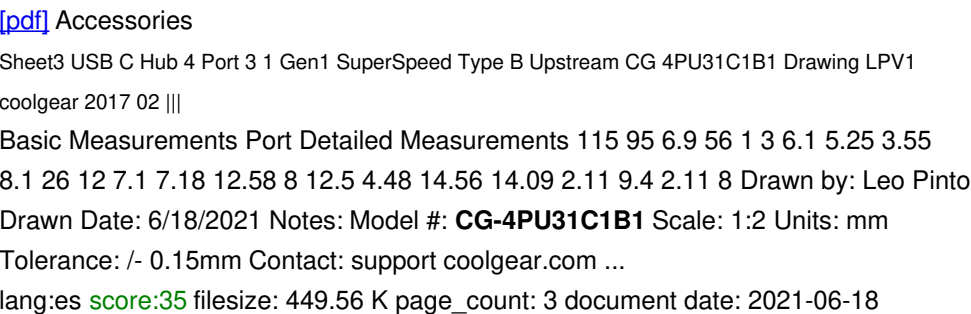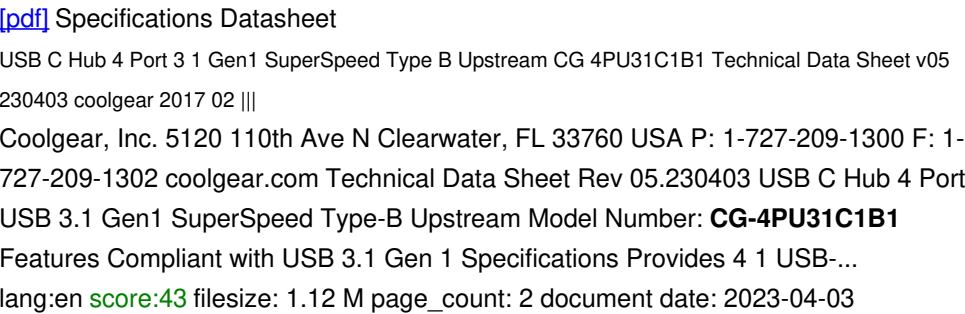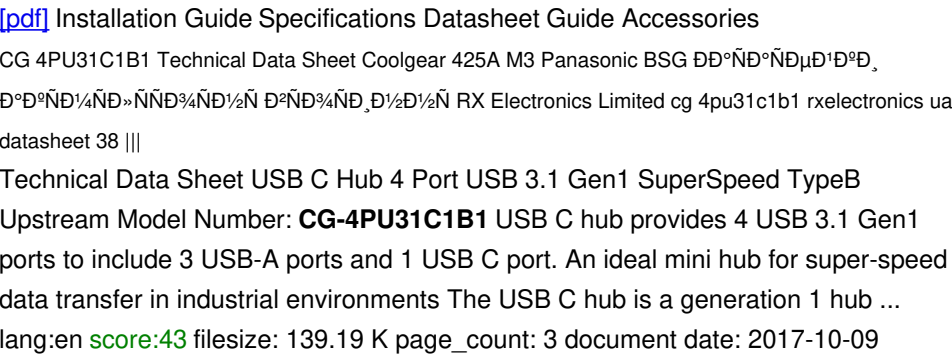
Technical Data Sheet USB C Hub 4 Port USB 3.1 Gen1 SuperSpeed TypeB Upstream Model Number: **CG-4PU31C1B1** USB C hub provides 4 USB 3.1 Gen1 ports to include 3 USB-A ports and 1 USB C port. An ideal mini hub for super-speed data transfer in industrial environments The USB C hub is a generation 1 hub ...

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Specifications Datasheet

USB C Hub 4 Port 3 1 Gen1 SuperSpeed Type B Upstream CG 4PU31C1B1 Technical Data Sheet v05 230403 coolgear 2017 02 |||

Coolgear, Inc. 5120 110th Ave N Clearwater, FL 33760 USA P: 1-727-209-1300 F: 1-727-209-1302 coolgear.com Technical Data Sheet Rev 05.230403 USB C Hub 4 Port USB 3.1 Gen1 SuperSpeed Type-B Upstream Model Number: **CG-4PU31C1B1** Features Compliant with USB 3.1 Gen 1 Specifications Provides 4 1 USB-...

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Accessories

Sheet3 USB C Hub 4 Port 3 1 Gen1 SuperSpeed Type B Upstream CG 4PU31C1B1 Drawing LPV1 coolgear 2017 02 |||

Basic Measurements Port Detailed Measurements 115 95 6.9 56 1 3 6.1 5.25 3.55 8.1 26 12 7.1 7.18 12.58 8 12.5 4.48 14.56 14.09 2.11 9.4 2.11 8 Drawn by: Leo Pinto Drawn Date: 6/18/2021 Notes: Model #: **CG-4PU31C1B1** Scale: 1:2 Units: mm Tolerance: /- 0.15mm Contact: support coolgear.com ...

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CG 4PU31C1B1 coolgear mechanical drawing Anthony USB C Hub 4 Port 3 1 Gen1 SuperSpeed Type B Upstream 2017 02 |||

115.00 57.00 26.00 4.00 3.25 4.25 13.50 13.00 8.00 3.50 6.00 8.75 17.00 3.00 13.00 9.00 12.65 7.00 7.65 6.00 12.50 8.15 4.35 9.35 14.50 8.10 12.95 12.90 28.50 5.00 57.00 18.95 6.45 12.50 12.70 13.00 115.00 MODEL #: PAGE: **CG-4PU31C1B1** 1 / 1 DRAW: Anthony Rozycki NOTES: ...

lang:es score:32 filesize: 82.91 K page_count: 1 document date: 2020-06-12

[pdf] Accessories Catalog

Coolgear 2020 Product Catalog coolgear 10

2020 Product Catalog USB CHARGING CONNECTIVITY EXPERTS coolgear.com Come See What We re Workin ... KV ESD Surge Protection 4 Port Industrial USB-C 3.2 Gen 1 Hub w/ESD Surge Protection - DRS Model # **CG-4PU31C1B1** Adds 4 Downstream USB Data Ports managing up to 5Gbps Accepts 7 - 48V DC additional ...

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