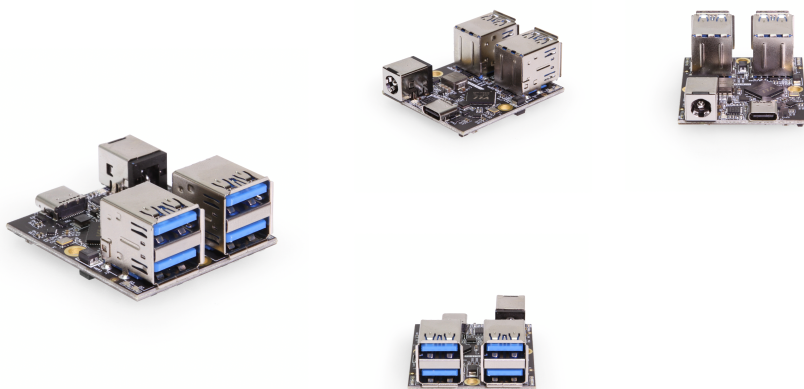


Technical Data Sheet Rev 06-250613

# 4 Port USB 3.2 Gen 1 Micro Powered Hub PCBA w/ ESD Surge Protection

Model Number: CG-817X4AX1C-PD-PCBA



## Features

- USB PD 3.2 Gen 1 compliant hub capable of providing power to UFP and DFP ports
- 4 Downstream ports supporting Super-Speed (SS), High-Speed (HS) and Full-Speed (FS) traffic
- PD compatible provides advertisement of Single PDO, 5V 3A output on UFP port so it can power low current Mobile devices (tablets/cellphones)
- Independent ESD protection for each port on all Data Lines for USB 2.0 and USB 3.0 (including input port)
- Power Connector: DC Barrel 2.5mm ID x 5.5mm OD, Center Pin Positive

## Package Contents

- Hub - Board Only

## Specifications

### PRODUCT TERMS

<b>Product Terms</b>	NOTICE: Coolgear strongly recommends purchasing one to two (1–2) units for initial evaluation. This product is intended for integration, evaluation, and testing purposes only, to assess its suitability and identify potential modifications for a specific use case. It is not designed for single-use scenarios. Before integrating this product into your project or placing a large-quantity order, please contact Coolgear to discuss your project requirements. For more details, refer to the Development Product Terms below.		
<b>Product Terms URL</b>	<a href="https://www.coolgear.com/wp-content/uploads/2023/10/Coolgear_DEV_Product_Terms.pdf">https://www.coolgear.com/wp-content/uploads/2023/10/Coolgear_DEV_Product_Terms.pdf</a>		

### OVERVIEW

<b>Product Note</b>	USB 3.2 Gen 1 powered micro hub PCBA. The CG-U3MICRO4PH is a +7~14V DC input, USB 3.2 Gen 1 hub with ESD and Surge protection. Each port is protected individually to help keep your peripherals safe. This hub uses a CCG3 PD Cypress chip, each port is on an individual circuit to maintain high current and protection.		
<b>Model No</b>	CG-817X4AX1C-PD-PCBA	<b>Product Type</b>	USB Charger Hub
<b>UPC</b>	045079163973	<b>Country of Origin</b>	China
<b>LED indicators</b>	None or N/A	<b>Chipset</b>	VL817
<b>Electrical Protections</b>	15KV Surge Protection for Each Port		

### PHYSICAL

<b>Ship Weight (lbs)</b>	0.7 lbs	<b>Ship Weight (kg)</b>	0.32 kg
<b>Item Weight</b>	0.7 lbs	<b>Length</b>	1.89 inches
<b>Width</b>	1.58 inches	<b>Height</b>	0.75 inches

## Specifications Cont.

### CONNECTIONS

USB Specification	USB 3.2 Gen 1
Upstream Port Type	Type C
Maximum Data Rate	5 Gbps
Downstream Port Count	4
Downstream Port Type	4x Type A USB 3.2 G1 / 3.0
Can be Bus Powered	N - External Power Required

### POWER

Input Voltage	+7~14V DC
Power Connector	DC barrel, 2.5 ID x 5.5 OD, Center Pin Positive
Idle Power Draw	57mA @ 5V / 35.6mA Bus Power
Max Per Port Draw	0.9A

### ENVIRONMENTAL

Operating Temperature	0C ~ 55C
Storage Temperature	-20C ~ 75C
Operating Humidity	5% ~ 95% (non-condensing)

### OS SUPPORT

Supported Operating Systems	Linux   OSX 10   Windows 11   Windows 10   Windows 8   Windows 7
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### WARRANTY

Warranty Period	1 Year
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### PRODUCT URL

Product Page	<a href="https://www.coolgear.com/product/4-port-usb-3-2-gen-1-micro-powered-hub-pcba-w-esd-surge-protection">https://www.coolgear.com/product/4-port-usb-3-2-gen-1-micro-powered-hub-pcba-w-esd-surge-protection</a>
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## USB CHARGING & CONNECTIVITY EXPERTS

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