Coolgear, Inc.
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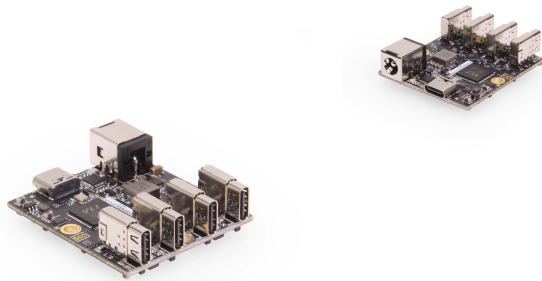**F:** +1-727-209-1302
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Technical Data Sheet Rev 06-250610

4 Port Type-C USB 3.2 Gen 2 Micro Powered Hub PCBA w/ ESD Surge Protection

Model Number: **CG-822QX4CX1C-PD-PCBA**

Features

- Micro Hub with USB PD 15Watt DRP UFP Host Power and 900mA per Device Port
- 4 Downstream Type-C ports supporting Super-Speed (SS), High-Speed (HS) and Full-Speed (FS) traffic
- DC Jack Variable Voltage with narrow parameters due to space limitation +7~12V DC input *16V absolute max
- Self-Power or Bus Power operation possible *programming prior to shipment required
- ESD protected to ±15kV contact discharge on all DATA and CC lines

Package Contents

- Hub - Board Only

Specifications

PRODUCT TERMS

Product Terms	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.
Product Terms URL	https://www.coolgear.com/wp-content/uploads/2023/10/Coolgear_DEV_Product_Terms.pdf

OVERVIEW

Product Note	This product is not compatible with Mac systems due to a firmware issue.		
Model No	CG-822QX4CX1C-PD-PCBA	**Product Type**	USB Hub
UPC	045079164833	**Country of Origin**	China
LED indicators	Port Status | Power	**Chipset**	VL822
Electrical Protections	15kV		

PHYSICAL

Ship Weight (lbs)	0.32 lbs	**Ship Weight (kg)**	0.15 kg
Item Weight	0.044 lbs	**Length**	1.89 inches
Width	1.58 inches	**Height**	0.55 inches

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Specifications Cont.

CONNECTIONS

USB Specification	USB 3.2 Gen 2
Upstream Port Type	USB 3.2G2 / 3.0 Type-C Female
Maximum Data Rate	10Gbps
Downstream Port Count	4
Downstream Port Type	4x Type C (Charging)
Can be Bus Powered	N - External Power Required

POWER

Input Voltage	7 ~ 12V 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	900mA

ENVIRONMENTAL

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

OS SUPPORT

Supported Operating Systems	Linux | Windows 11 | Windows 10 | Windows 8 | Windows 7

WARRANTY

Warranty Period	1 Year

PRODUCT URL

Product Page	https://www.coolgear.com/product/4-port-type-c-usb-3-2-gen-2-micro-powered-hub-pcba-w-esd-surge-protection