

Technical Data Sheet Rev 06-250609

4 Port Type-A & C USB 3.2 Gen 1 Micro Powered Hub PCBA w/ ESD Surge Protection

Model Number: CG-817X2CX2AX1C-PD-PCBA



Features

- USB PD 3.2 Gen 1 compliant hub capable of providing power to UFP and DFP ports
- 2 Downstream Type-C & 2 Downstream Type-A 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 Current/Over Voltage and Under voltage Protection for all 4 DFP ports
- Input Power DC jack TVS protected to 16V

Package Contents

- PCBA

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

Model No	CG-817X2CX2AX1C-PD-PCBA	Product Type	USB Hub
UPC	045079164949	Country of Origin	China
LED indicators	Port Status Power	Chipset	VL817-Q7S
Electrical Protections	15KV Surge Protection for Each Port		

PHYSICAL

Ship Weight (lbs)	0.43 lbs	Ship Weight (kg)	0.2 kg
Item Weight	0.431 lbs	Length	1.77 inches
Width	1.57 inches	Height	0.74 inches

Specifications Cont.

CONNECTIONS

USB Specification	USB 3.2 Gen 1
Upstream Port Type	Type C
Maximum Data Rate	5Gbps
Downstream Port Count	4
Downstream Port Type	2x Type A (Charging) 2x Type C (Charging)
Can be Bus Powered	N - External Power Required

POWER

Input Voltage	+7~14V DC
Idle Power Draw	57mA @ 5V / 35.6mA Bus Power
Max Per Port Draw	2A

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	https://www.coolgear.com/product/4-port-type-a-c-usb-3-2-gen-1-micro-powered-hub-pcba-w-esd-surge-protection
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USB CHARGING & CONNECTIVITY EXPERTS

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