

Technical Data Sheet Rev 06-250611

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

Model Number: CG-822QX2CX2AX1C-PD-PCBA



Features

- This 4-port hub PCBA features 15kV ESD surge protection to keep your connected peripherals safe from harm.
- This USB hub is 3.2 Gen 2 compliant, ensuring super-fast 10Gbps data transfer speeds. It supports super speed, high speed and full speed which enables it to be compatible with USB 3.0 / 2.0 / 1.1.
- Upstream: 1 USB port, Type-C connector
- Downstream: 2 USB ports, Type-A connectors / 2 USB ports, Type-C connectors
- Power Connector: DC Barrel 2.5mm ID x 5.5mm OD, Center Pin Positive

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-822QX2CX2AX1C-PD-PCBA	Product Type	OEM Boards
UPC	045079164956	Country of Origin	China
LED indicators	None or N/A	Chipset	VL822
Electrical Protections	15KV Surge Protection		

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

POWER

Input Voltage	7 ~ 24V 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	2A

ENVIRONMENTAL

Operating Temperature	0°C to 55°C (32°F to 131°F)
Storage Temperature	-20 to 75°C (-4 to 167°F)
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-2-micro-powered-hub-pcba-w-esd-surge-protection
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USB CHARGING & CONNECTIVITY EXPERTS

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