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Technical Data Sheet Rev 06-250422

4 Port USB 3.2 Gen 2 Micro Powered Hub DIY Per Port Port Power Control PCBA w/ GL3590 Chipset

Model Number: **CG-3590X4AX1C-PDv1-0-DEV**

Features

- USB PD 3.2 Gen 2 compliant hub capable of providing power to UFP and DFP ports
- 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
- Features per-port power switching capability for compatibility with UhubCTL
- UhubCTL offers a software-based approach to device management, as well as energy efficiency and system stability

Package Contents

- PCBA

Specifications

PRODUCT TERMS	
Product Terms	**NOTICE: This product is currently under development and is only available for purchase in limited quantities to ensure availability for all customers wishing to evaluate the product. Development products are intended for evaluation and testing purposes only and are not meant to be treated as full, finished products. Designs may change at any time. For more information please 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-3590X4AX1C-PDv1-0-DEV	**Product Type**	OEM Boards
Country of Origin	China	**LED indicators**	None or N/A
Chipset	GL3590	**Electrical Protections**	15KV Surge Protection for Each Port

PHYSICAL			
Ship Weight (lbs)	0.7 lbs	**Ship Weight (kg)**	0.32 kg
Item Weight	0.7 lbs	**Length**	1.89 inches
Width	1.58 inches	**Height**	0.75 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 A USB 3.2 G2
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	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
WARRANTY	
Warranty Period	1 Year
PRODUCT URL	
Product Page	https://www.coolgear.com/product/4-port-usb-3-2-gen-1-micro-powered-hub-diy-per-port-port-power-control-pcba-w-gl3590-chipset

USB CHARGING & CONNECTIVITY EXPERTS

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