Coolgear, Inc.
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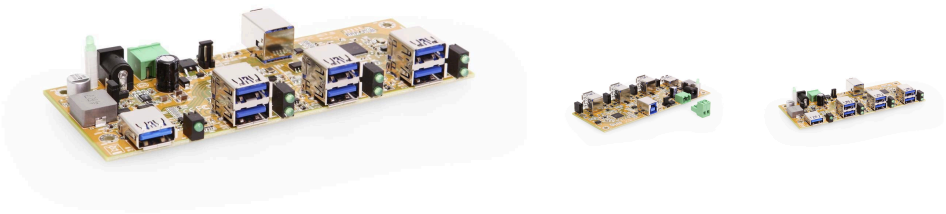
Technical Data Sheet **Rev 10-261008**

7 Port USB 3.2 Gen 1 Hub PCBA w/ 15KV ESD Surge Protection & Port Status LEDs

Model Number: **CG-7PU31HB-PCBA**



Features

- Compact hub PCBA expands to 7 USB 3.1 ports
- Compliant with USB 3.2 Gen 1 Specifications
- 15KV ESD Surge Protection per port
- Supports 5Gbps (Super-speed), 480Mbps (High-speed), 12Mbps (Full-speed) and 1.5Mbps (Low-speed) Speed

Package Contents

- Hub - Board Only

OVERVIEW	
SKU	CG-7PU31HB-PCBA
UPC	045079159648
Country of Origin	Taiwan
Manufacturer	CoolGear
Warranty	One Year
Certifications	REACH, RoHS, TAA
Product URL	https://www.coolgear.com/product/7-port-usb-3-2-gen-1-hub-pcba-w-15kv-esd-surge-protection-port-status-leds

PHYSICAL	
Item Dimensions (Inches) (LxWxH)	6.03 × 2.34 × 1.05 in.
Package Weight (lbs)	0.14 lbs
Color	Yellow
Mounting Style	Bare PCB

TECHNICAL DATA	
LED Indicators	Port Status, Power
Chipset	GL3523
PACKAGE CONTENTS	
CONNECTIONS	
USB Specification	USB 3.2 Gen 1 (5Gbps)
Downstream Port	7x Type A USB 3.2 Gen 1 (5Gbps)
Upstream Port	1x Type B USB 3.2 Gen 1 (5Gbps)
Screw Lock Compatible	No
POWER	
Works as Standalone Charger (Does Not Require Host)	Y - Can be used without Host
Power Input Connector Type	DC Barrel (5.5mm OD x 2.5mm ID, Center Pin Positive)
Input Voltage Range (V DC)	7 ~ 24V DC
Maximum Per Port Draw	1.5A
Idle Power Draw	37.67mA Bus Powered, 68.2mA @ 12V Terminal Power
Over Current Protection	Yes
Over Voltage Protection	Yes, per buck
ESD Protection	15kV
Isolated	Yes
Charging Protocols	Apple Charge 2.4A, BC 1.2, CDP, DCP
Charging Downstream Port (CDP) Support	Yes
Dedicated Charging Port (DCP) Support	Yes
ENVIRONMENTAL	
Operating Temperature	0C ~ 55C
Storage Temperature	-20C ~ 75C
Humidity	5% to 95% RH
OS / SOFTWARE	
OS Compatibility	• Windows 11 • Windows 10 • Windows 8 • Windows 7 • Linux • Mac OS • OS independent - No software or drivers required

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