Technical Data Sheet

7 Port USB 3.1 Gen1 Metal Hub w/15KV ESD Surge Protection and Power Adapter

Model Number: CG-7PU31HB

The CG-7PU31HB supports up to 5Gbps of data transfer though each port with this USB 3.1 metal hub. Set up a flat surface mount and make your connections. To power all ports, the hub is self-powered with an external 7~24V DC power adapter. It is backward compatible with legacy USB 2.0/1.1/1.0 speeds and can be horizontally surface mounted to secure a stationary mount. This USB 3.1 hub is in compliance with USB battery charging for CDP and DCP modes. The hub supports 1.5A per port with a safety of 2A Thermal Shutdown protection.

Features

- Compliant with USB 3.1 Gen1 Specifications
- Rigid Wall-Mountable Metal Case.
- 1 USB-B Upstream and 7 USB-A Downstream USB 3.1 Gen1 Facing Ports.
- Supports 5Gbps (Super-speed), 480Mbps (High-speed), 12Mbps (Full-speed) and 1.5Mbps (Low-speed).
- Support USB Battery Charging: CDP and DCP modes.
- Supports 15KV ESD Surge Protection for Each Port.
- 1.5A per USB port with thermal shutdown at 2A per port.
- Supports Surface Mounting.
- Multi Transaction Translators (TT) per Hub.

Product Information

- **Model Number:** CG-7PU31HB
- **Packing List:**
  o 7 Port USB 3.1 Hub
  o 2-pin terminal block connector
  o 6ft. USB 3.0 A to B Cable
  o Power Supply and Cord
- **Optional Accessories:** N/A

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Specifications

OVERVIEW

Product Type	USB 3.1 Hub (Backward compatible with USB 2.0/1.1
Electrical Protections	Supports 15KV ESD Surge Protection
Mountable	Surface Mountable
Construction	Metal
Applications	Data Centers, Automotive peripheral installation, Machine Equipment, Kiosk, Office, and others
Certs / Compatibility	RoHS, CE, FCC, WEEE
Screw Lock Compatible	Yes

CONNECTIONS

Type-A Downstream Ports	7
Type-B Upstream Ports	1
+7 ~ 24V Input Power	2-pin terminal block connector

AVAILABLE POWER MODES

Mode 1	Bus
Mode 2	Self power source (+7~24VDC from 2-pin terminal connector)

ENVIRONMENTAL

Operating Temperature	0 to 55°C (32 TO 131°F)
Operating Humidity	5 to 95% RH

DIMENSIONS

Length	6.03 in
Width	2.34 in
Height	1.05 in

OS SUPPORT

Windows	Windows 7, Windows 8, Windows 10
Other	Linux and Mac OS 10.X

LED

Power	1
Downstream Ports	1 per port

WARRANTY

Warranty Period	1 year from date of purchase

PRODUCT URL

CG-7PU31HB Product Page	https://www.coolgear.com/product/7-port-usb-31-gen1-metal-hub-15kv-esd-surge-protection-power-adapter

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