



## Technical Data Sheet

# 16-Port USB 3.1 Gen1 Metal Hub w/15KV ESD Surge Protection and DIN Rail Mounting Kit

Model Number: CG-16PU31H



Unique 16-Port USB 3.1 Gen1 hub is a compact solution with a big purpose. Its uniquely designed shell expands your USB port usage by 16 from your USB 3.1 Gen1 host port. This is a self powered hub uses a +7~24V DC 2-pin terminal block power connector from an external power adapter (sold separately). The 16-Port USB 3.1 hub supports up to 5Gbps of data transfer and is backward compatible with legacy USB 2.0/1.1/1.0 speeds. It can be DIN Rail or horizontally surface mounted to secure a stationary mount.

### Features

- TAA Compliant.
- Compliant with USB Specification Rev. 3.1 Gen1.
- Rigid and Wall and DIN RAIL Mountable Metal Case.
- 1 USB-B Upstream and 16 USB-A Downstream USB 3.1 Gen1 Facing Ports.
- Supports 15KV ESD Surge Protection.
- Multi Transaction Translators (TT) per Hub.
- Support USB Battery Charging: CDP and DCP modes.
- Accepts 7-24V additional power through the 2-wire plug.
- Supports DIN RAIL Mounting Kit and Horizontal Mounting Bracket.
- 1.5A per USB port with thermal shutdown at 2A per port.
- BC 1.2 compliant for normal charging.

### Product Information

- **Model Number:** [CG-16PU31H](#)
- **Packing List:**
  - 16 Port USB 3.1 Gen1 Hub
  - Horizontal Mounting Plate & Screws
  - DIN Rail Clip
  - 6ft. USB 3.0 A to B Cable
  - Paper User Manual
- **Optional Accessories:** N/A

## Specifications

### OVERVIEW

Product Type	USB 3.1 Hub (Backward compatible with USB 2.0/1.1/1.0)
Electrical Protections	Supports ESD surge protection for each port
Mountable	Horizontal Mount and DIN Rail Mounting (DIN Rail Clip Included)
Construction	Metal
Applications	Data Centers, Automotive peripheral installation, Machine Equipment, Kiosk, Office, and others
Certs / Compliance	RoHS, CE, FCC, WEEE / TAA Compliant
Country of Origin	Taiwan

### CONNECTIONS

Type-A Downstream Ports	16
Type-B Upstream Ports	1
7 – 48V 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) 900mA USB Bus Power for each Downstream port charging

### ENVIRONMENTAL

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

### DIMENSIONS

Length	4.43 in (5.22 in with ears)
Width	2.55 in
Height	1.91 in

### OS SUPPORT

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

### LED

Power	1
Downstream Ports	N/A

### WARRANTY

Warranty Period	1 year from date of purchase
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### PRODUCT URL

CG-16PU31H Product Page	<a href="https://www.coolgear.com/product/16-port-usb3-gen1-metal-hub-surge-protection-din-rail">https://www.coolgear.com/product/16-port-usb3-gen1-metal-hub-surge-protection-din-rail</a>
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