

Technical Data Sheet Rev 08-260811

# 16 Port USB 3.2 Gen 1 Hub w/ ESD Surge Protection

Model Number: **USB3-16U1**



## Features

- The 16-port USB 3.2 Gen 1 Hub features 350 Watts of surge protection and 15kV ESD protection to keep your connected peripherals safe from harm
- This hub is USB 3.2 Gen 1 compliant, ensuring super-fast 5Gbps data transfer speeds. It supports super speed, high speed and full speed which enables it to be compatible with USB 2.0 / 1.1
- Housed in a rugged steel chassis with built in mountable flanges, the 16-port hub is perfect for installations in offices, labs, warehouses, heavy machinery, automation equipment, and other industrial applications
- Features LEDs for each downstream port to indicate the current bus power states
- Mounting Options: Wall, Surface, and DIN Rail

## Package Contents

- 2-Pin Terminal Block
- DIN Rail Bracket
- Hub
- Mounting Bracket
- Screw Pack
- USB Cable

## OVERVIEW

|                   |                                                                                                                                                                                                             |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SKU               | USB3-16U1                                                                                                                                                                                                   |
| UPC               | 729440692094                                                                                                                                                                                                |
| Country of Origin | Taiwan                                                                                                                                                                                                      |
| Manufacturer      | Coolgear                                                                                                                                                                                                    |
| Warranty          | One Year                                                                                                                                                                                                    |
| Certifications    | REACH, RoHS, TAA                                                                                                                                                                                            |
| Product URL       | <a href="https://www.coolgear.com/product/145w-dual-usb-c-pd-3-1-vehicle-charger-with-mountable-flanges">https://www.coolgear.com/product/145w-dual-usb-c-pd-3-1-vehicle-charger-with-mountable-flanges</a> |



#### PHYSICAL

|                                  |                                                                             |
|----------------------------------|-----------------------------------------------------------------------------|
| Item Dimensions (Inches) (LxWxH) | 12.15 × 5.12 × 1.74 in.                                                     |
| Item Weight (Oz.)                | 36.0000                                                                     |
| Package Weight (Lbs.)            | 3.75 Lbs.                                                                   |
| Color                            | Black                                                                       |
| Material of Construction         | Steel                                                                       |
| Mounting Style                   | Din-Rail Mount, Rack Mount, Surface Mount, Surface / Wall Mount, Wall Mount |

#### TECHNICAL DATA

|                  |                                     |
|------------------|-------------------------------------|
| LED Indicators   | Host Connection, Port Status, Power |
| Surge Protection | Yes                                 |
| Chipset          | GL3523                              |

#### PACKAGE CONTENTS

|                              |                                              |
|------------------------------|----------------------------------------------|
| Cable Included?              | Yes                                          |
| Included Cable Specification | USB 3.2 Gen 1 (5Gbps)                        |
| Included Cable Type          | USB Type A to Type B 3.2 Gen 1 (5Gbps) Cable |

#### CONNECTIONS

|                               |                                                             |
|-------------------------------|-------------------------------------------------------------|
| USB Specification             | USB 3.2 Gen 1 (5Gbps)                                       |
| Downstream Port Type Combined | 16x Type A USB 3.2 Gen 1 (5Gbps) Dual Screw Lock Compatible |
| Upstream Port Type Combined   | 2x Type B USB 3.2 Gen 1 (5Gbps) Dual Screw Lock Compatible  |
| Screw Lock Compatible         | Yes                                                         |

#### 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 2.1mm ID, Center Pin Positive), Phoenix 2-pin            |
| Power Source                                        | 2-Pin Terminal Block                                                           |
| Input Voltage Range (V DC)                          | 12 ~ 24V DC                                                                    |
| Maximum Per Port Draw                               | 1.5A (7.5W)                                                                    |
| Over Voltage Protection                             | Yes, per buck                                                                  |
| ESD Protection                                      | 15kV (air), 8kV (contact)                                                      |
| Isolated                                            | Yes                                                                            |
| Idle Power Draw                                     | 0.70mA @ 24V Terminal Power, 13.98mA Bus Powered, 343.7mA @ 12V Terminal Power |
| Maximum Power(W)                                    | 100W                                                                           |

#### POWER

|                                        |                                      |
|----------------------------------------|--------------------------------------|
| Charging Protocols                     | Apple Charge 2.4A, CDP, DCP, Samsung |
| Charging Downstream Port (CDP) Support | Yes                                  |
| Dedicated Charging Port (DCP) Support  | Yes                                  |
| Over Current Protection                | Yes                                  |

#### ENVIRONMENTAL

|                       |              |
|-----------------------|--------------|
| Operating Temperature | 0C ~ 55C     |
| Storage Temperature   | -20C ~ 75C   |
| Humidity              | 5% to 95% RH |

#### OS / SOFTWARE

|                  |                                                                                                                                                                                                                       |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OS Compatibility | <ul style="list-style-type: none"><li>• Windows 11</li><li>• Windows 10</li><li>• Windows 8</li><li>• Windows 7</li><li>• Linux</li><li>• Mac OS</li><li>• OS independent - No software or drivers required</li></ul> |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## USB CHARGING & CONNECTIVITY EXPERTS

### We Speak Your Speak

When you reach out to Coolgear support, you'll find yourself in the hands of a solution-oriented and knowledgeable expert ready to answer whatever question you throw at them. Go ahead, test us.

[Visit Support](#)