

# Owner's Manual

## 4-Port Industrial-Grade USB 3.1 Gen 2 (10 Gbps) Hub

Model: U460-2A2C-IND

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## Important Safety Instructions

- Always read the safety instructions carefully
- Keep this Owner's Manual for future reference
- If any of the following situations arise, schedule an appointment to have your equipment inspected by a service technician:
  - o The equipment has been exposed to moisture
  - o The equipment has been dropped and damaged
  - o The equipment shows obvious signs of breakage
  - o The equipment is not functioning properly or is not functioning according to the Owner's Manual instructions

## Product Features

- Add two USB-A and two USB-C ports from the USB-C port on your laptop, Ultrabook or computer
- USB 3.1 Gen 2 compliant with data transfer rates up to 10 Gbps
- Backward compatible with previous USB generations
- Rugged all-metal enclosure designed for industrial applications
- USB-C ports support USB cables with locking connectors
- Two power connection options (external power supply or 2-wire terminal block)
- All device USB ports are BC 1.2-compliant, providing up to 2A of fast charging power to mobile devices (when connected to power)
- USB-C device ports support both data and charging
- All ports can be used simultaneously, with each port providing up to 900mA of power
- Overcurrent detection and protection
- ESD protection to +/- 15 kV
- EFT protection +/- 2.5 kV
- Automatic link and speed detection
- Includes an international power supply with compatible North American, UK, European and Australian plug adapters
- Plug-and-play—no software or drivers required

## System Requirements

- Compatible with all USB-enabled operating systems

## Package Contents

- U460-2A2C-IND
- USB 3.1 Gen 2 (10 Gbps) Type-C Cable, 2 ft. (0.6 m)
- 2-Wire Terminal Block
- External Power Supply\* (Input: 100-240V, 50/60 Hz, 0.6A; Output: 5V 4A)
- Owner's Manual

\*Includes NEMA 1-15P (North America), CEE 7/16 Schuko (Europe), BS 1363 (UK and AS/NZS 3112 (Australia) plugs

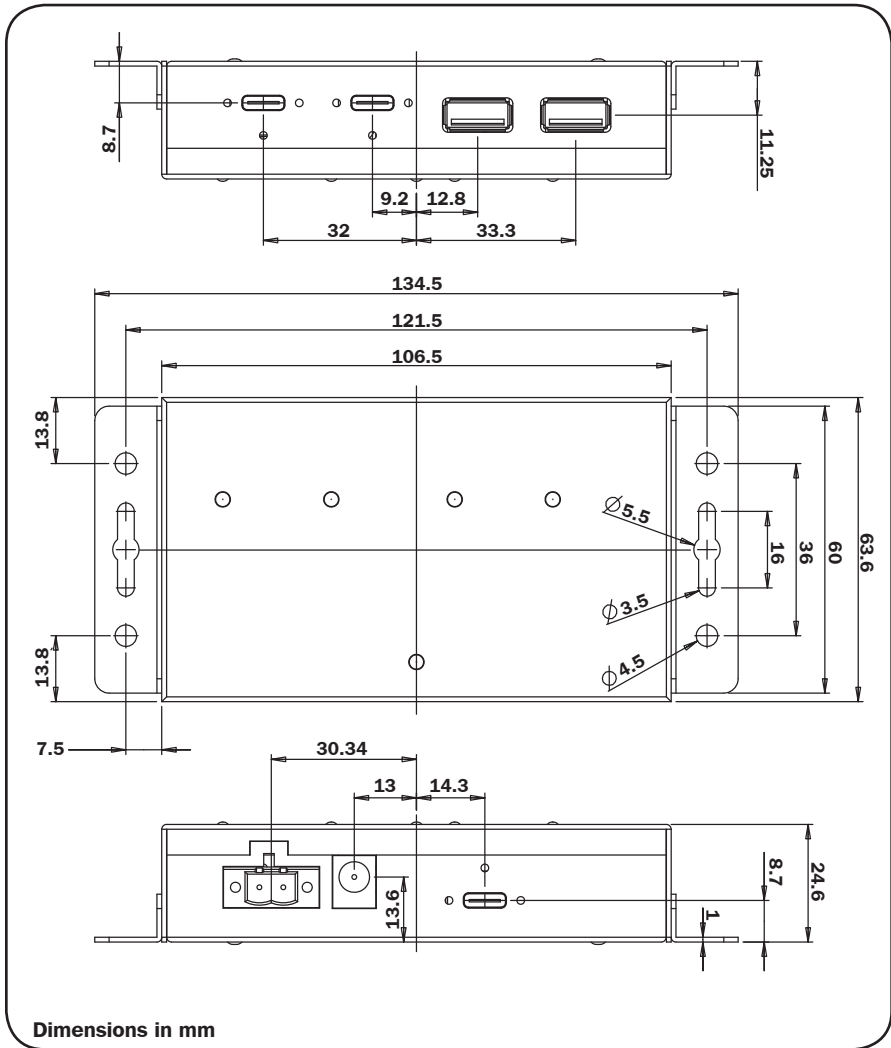
### Optional Accessories:

- U322-Series USB 3.0 A/B Device Cables
- U326-Series USB 3.0 Micro-B Device Cables
- U420-003-G2 USB 3.1 Gen 2 (10 Gbps) Type-C (Male/Male) Cable, 3 ft. / 0.9 m
- U422-003-G2 USB 3.1 Gen 2 (10 Gbps) Type-C to USB 3.0 Type B (Male/Male) Cable, 3 ft. / 0.9 m
- U426-003-G2 USB 3.1 Gen 2 (10 Gbps) Type-C to USB 3.0 Micro-B (Male/Male) Cable, 3 ft.

# Installation

## Mounting Kit Installation

The U460-2A2C-IND hub can be placed on a flat surface, or mounted using the built-in wall-mount brackets (screws not included). Reference the diagram below when installing the mounting hardware:



## Powering the Hub

### DC-In

To power the hub, connect the included power adapter to the unit and then to a wall outlet.

### Power Terminal

A 2-wire terminal block is installed onto the unit to power the hub using a power terminal.

## Operation

1. Using the included USB Type-C cable, connect the USB-C port labeled Host to your laptop, computer or any USB-C device.
2. Using the included terminal block or power adapter, power the unit via the desired powering method. A blue LED will illuminate to indicate the unit is receiving power from the power source.
3. Connect up to two USB devices to the USB-A hub ports.
4. Connect up to two USB devices to the USB-C hub ports.
5. LEDs will illuminate and blink green as each device is connected to indicate it is connected to the hub.

**Note:** *If USB ports are not properly working, unplug all devices as well as the power source. After 10 seconds, repeat installation steps.*

## Specifications

Input Connector	2x USB 3.0 Type-A (Female) 2x USB Type-C (Female)
Output Connector	USB Type-C (Female)
LEDs	Blue: Power Green: Connection
ESD Protection	+/- 15kV
EFT Protection	+/- 2.5kV
Transmission Speed	Up to 10 Gbps
Power Requirement	5V 4A DC Power Supply 2-Pin Terminal (5V DC)
Operating Temperature	32 to 122°F / 0 to 50°C
Storage Temperature	14 to 176°F / -10 to 80°C
Operating Humidity	0% to 85% RH, Non-Condensing
Storage Humidity	0% to 95% RH, Non-Condensing
Dimensions, L x W x H	4.2 x 2.5 x 1 in. / 106.5 x 63.6 x 24.6 mm
Enclosure Material	Metal

# Warranty and Product Registration

## 3-Year Limited Warranty

Tripp Lite warrants its products to be free from defects in materials and workmanship for a period of three (3) years from the date of initial purchase. Tripp Lite's obligation under this warranty is limited to repairing or replacing (at its sole option) any such defective products. To obtain service under this warranty, you must obtain a Returned Material Authorization (RMA) number from Tripp Lite or an authorized Tripp Lite service center. Products must be returned to Tripp Lite or an authorized Tripp Lite service center with transportation charges prepaid and must be accompanied by a brief description of the problem encountered and proof of date and place of purchase. This warranty does not apply to equipment, which has been damaged by accident, negligence or misapplication or has been altered or modified in any way.

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\* No purchase necessary. Void where prohibited. Some restrictions apply. See website for details.

## FCC Notice, Class B

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications to this equipment not expressly approved by Tripp Lite could void the user's authority to operate this equipment.

# Warranty and Product Registration

## WEEE Compliance Information for Tripp Lite Customers and Recyclers (European Union)



Under the Waste Electrical and Electronic Equipment (WEEE) Directive and implementing regulations, when customers buy new electrical and electronic equipment from Tripp Lite they are entitled to:

- Send old equipment for recycling on a one-for-one, like-for-like basis (this varies depending on the country)
- Send the new equipment back for recycling when this ultimately becomes waste

Use of this equipment in life support applications where failure of this equipment can reasonably be expected to cause the failure of the life support equipment or to significantly affect its safety or effectiveness is not recommended.

Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice.



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