Owner's Manual

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

Model: U460-4A3C-IND

USB Type-C and USB-C are trademarks of USB Implementers Forum

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Este manual esta disponible en español en la página de Tripp Lite:
www.tripplite.com/support

Ce manuel est disponible en français sur le site Web de Tripp Lite :
www.tripplite.com/support

Русскоязычная версия настоящего руководства представлена на веб-сайте компании Tripp Lite по адресу: www.tripplite.com/support

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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 four USB-A and three USB-C ports to 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 (2-wire terminal block or user-supplied external power supply)
- All device USB ports are BC 1.2-compliant, providing up to 1.5A 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
- Plug-and-play—no software or drivers required

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System Requirements

- Compatible with all USB-enabled operating systems

Package Contents

- U460-4A3C-IND
- USB 3.1 Gen 2 (10 Gbps) Type-C Cable, 2 ft. (0.6 m)
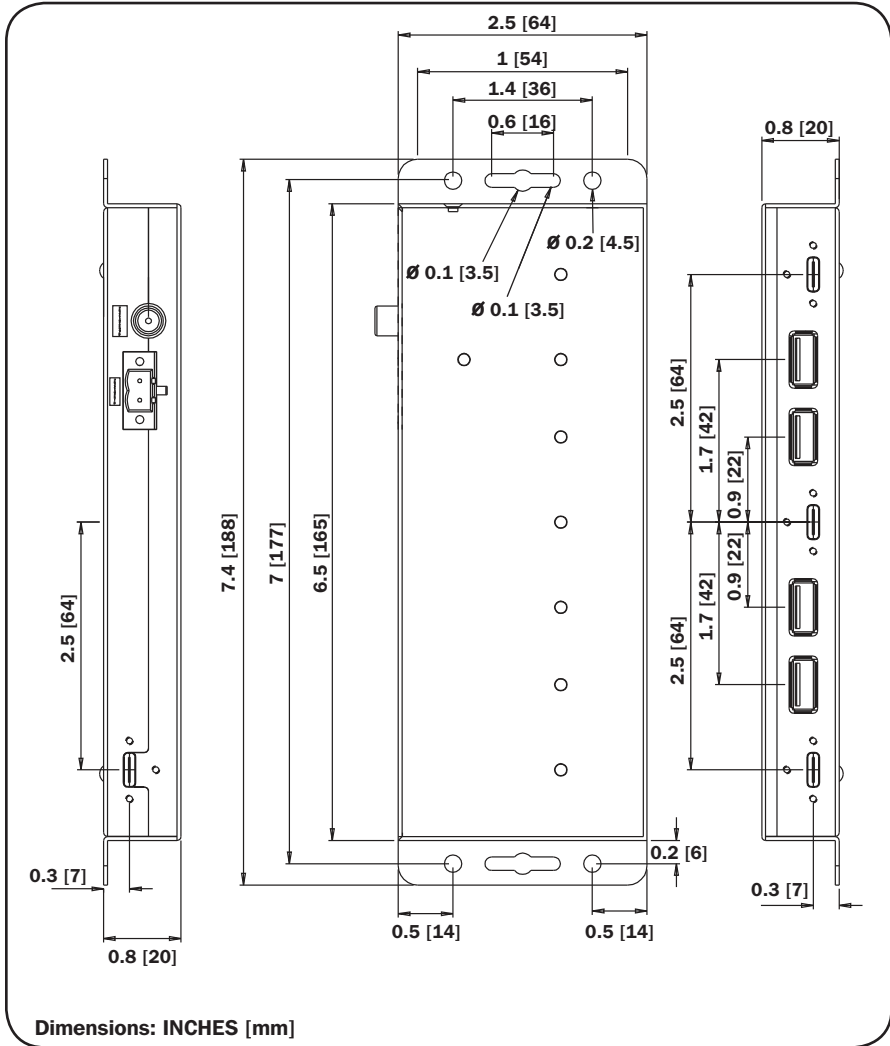- 2-Wire Terminal Block
- Owner's Manual

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.

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Installation

Mounting Kit Installation

The U460-4A3C-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:

Dimensions: INCHES [mm]

Powering the Hub

Power Terminal

A 2-wire terminal block is installed on the unit to power the hub via power terminal.

DC-In

To power the hub, connect a user-supplied 12-24V DC power adapter to the unit and a wall outlet.

Note: *The U460-4A3C-IND is compatible with listed limited power source (LPS) power supplies from 12V DC to 24V DC. These power supplies use a 2.5 x 5.5 x 9.5 mm input plug with either a positive tip and negative sleeve, or a negative tip and positive sleeve.*

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 a user-supplied 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 four USB devices to the USB-A hub ports.
4. Connect up to three USB devices to the USB-C hub ports.
5. LEDs will illuminate 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	4x USB 3.0 Type-A (Female) 3x 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	12-24V DC Power Supply 2-Pin Terminal (12-24V 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	6.5 x 2.5 x 0.8 in. / 165 x 64 x 20 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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Product Registration

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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. Photos and illustrations may differ slightly from actual products.

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