Owner's Manual

USB 3.2 Gen 1 USB-C® Docking Station

Models: U442-DOCK1, U442-DOCK1-B

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

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

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

WARRANTY REGISTRATION

Register your product today and be automatically entered to win an ISOBAR® surge protector in our monthly drawing!

tripplite.com/warranty

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Package Contents

- U442-DOCK1 (Silver) or U442-DOCK1-B (Black)
- Owner's Manual

Optional Accessories

- N201-Series Cat6 Gigabit Snagless Patch Cables
- P312-Series 3.5 mm Mini Stereo Audio Cables
- P502-Series High-Resolution VGA Cables
- P566-Series HDMI to DVI Adapter Cables
- P568-Series High-Speed HDMI Cables
- P583-Series mDP to DP Adapter Cables
- P584-Series mDP Cables
- U322-Series USB A/B Device Cables
- U326-Series USB Micro-B Device Cables
- U420-003 USB 3.2 Gen 1 USB-C M/M Cable, 3 ft.

System Requirements

- Computer* with USB-C port that supports USB DisplayPort Alternate Mode
- DisplayPort**, Mini DisplayPort, VGA, DVI** or HDMI monitor
- Ethernet network with speeds up to 10/100/1000 Mbps

* The host computer should have administrative rights in order for the dock's drivers to install automatically the first time it is connected. If this is not an option, the drivers can be downloaded and installed manually via the product's webpage at tripplite.com.
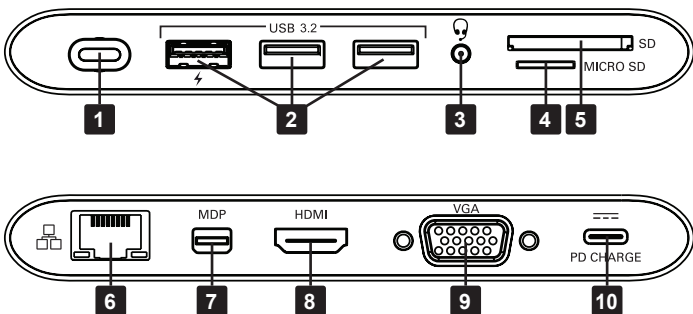
** Requires an adapter. See **Optional Accessories**.

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Product Features

- Supports USB DisplayPort Alternate Mode for connecting VGA, HDMI or Mini DisplayPort (mDP) monitor via USB-C port
- Supports connection of DVI monitor via HDMI to DVI adapter (see **Optional Accessories**)
- Supports connection of DisplayPort monitor via mDP to DisplayPort adapter (see **Optional Accessories**)
- mDP and HDMI ports support video resolutions up to 3840 x 2160 (4K x 2K) @ 30 Hz
- VGA port supports video resolutions up to 1920 x 1200 (including 1080p) @ 60 Hz
- Ethernet port supports true 10/100/1000 Mbps network speeds
- USB-A hub ports support data transfer rates up to 5 Gbps
- Dedicated 5V/1.5A USB ports provide fast charging power to mobile devices
- Micro SD and SD/MMC memory card slots support simultaneous use for external memory access
- USB-C charging port supports power input up to 20V 5A (100W)
- 15W of USB-C input power dedicated to unit and its USB hub ports with remaining power going to USB-C device the unit is connected to
- 3.5 mm mini stereo jack for connecting speaker or microphone
- Automatically resumes operation from hibernation and suspend modes
- Complies with IEEE 802.3az (Energy Efficient Ethernet)
- Supports full- and half-duplex operations
- Supports IPv4 and IPv6 pack Checksum Offload Engine (COE) to reduce CPU loading
- Supports Wake-on-LAN
- Plug and play—no software, drivers or external power supply required

Product Overview

1 **USB-C Port (Male):** Connects to USB-C device

2 **USB 3.2 Ports (Female):** Connect up to 3 USB peripherals*

3 **3.5 mm Mini Stereo Port (Female):** Connects speaker or microphone

4 **Micro SD Memory Card Slot:** Insert Micro SD memory card

5 **SD/MMC Memory Card Slot:** Insert SD/MMC memory card

6 **RJ45 Port (Female):** Connects to 10/100/1000 Mbps network

7 **Mini DisplayPort (Female):** Connects mDP monitor

8 **HDMI Port (Female):** Connects HDMI monitor

9 **VGA Port (Female):** Connects VGA monitor

10 **USB-C Charging Port (Female):** Connects device to USB-C charger

*10W of power is dedicated to USB 3.2 ports when a USB charger is connected to the USB-C charging port. The hub port supports up to 5V 1.5A (7.5W). The other two ports support up to 5V 0.9A (4.5W) each. When maxing out one port's power, the other ports' power is reduced. All three ports will not be able to provide full power simultaneously, meaning external power may be required for some connected peripherals.

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Installation

Notes:

- *Dual-output video is supported under MST in the following manner: MDP and VGA, or MDP and HDMI.*
- *VGA and HDMI will not work simultaneously.*
- *The MDP port can be converted to an HDMI port with the use of a passive MDP to HDMI cable.*
- *If your Mac does not support MST mode, only the mDP monitor will be detected and dual mode will not work.*
- *When two monitors are connected simultaneously, the mDP will allocate the necessary bandwidth first. The remaining bandwidth (up to 10.8G) will be allocated to the second connected monitor.*
- *If two displays are connected simultaneously and the resolution of one display is higher than the other, the second monitor may not function due to a lack of bandwidth between the two ports. It is recommended to use the same resolution for both displays to prevent this from happening.*
- *When connected to power through USB-C charging port, 15W is dedicated to docking station and connected USB peripherals. Remaining power is used to charge connected USB-C device.*
- *See **Optional Accessories** section for suggested cables.*
- *When the unit is connected to the USB-C port on your computer and to a network via Cat5e/6 cabling, a network connection will be automatically established. If no connection is made, you can manually establish one by going to your computer's network settings page. For example, on a Mac you would navigate to the Network section found in System Preferences, click the 'Assist Me' button to get to the Network Setup Assistant, then follow the prompts to establish a connection.*

1. Connect USB-C port to USB-C port on your laptop, tablet or other device.
2. Connect VGA port to VGA port on your monitor using a VGA cable.
3. Connect HDMI port to HDMI port on your monitor using an HDMI cable.
4. Connect mDP port to mDP port on your monitor using an mDP cable.
5. Connect USB-A hub ports to USB peripherals.
6. Connect RJ45 port to Ethernet network using UTP cable.

Installation

7. Connect 3.5 mm mini stereo port to speaker or microphone using 3.5 mm audio cable.
8. Insert Micro SD and/or SD/MMC card into corresponding slot to access external memory.
9. Charge device by connecting its USB-C charger to adapter's USB-C port.

Specifications

Input Connectors

USB	USB-C (M)
Charging	USB-C (F)

Output Connectors

USB-A	(3x) USB-A (F)
Ethernet	RJ45 (F)
VGA	VGA (F)
HDMI	HDMI (F)
Mini DisplayPort	mDP (F)
Audio	3.5 mm mini stereo (F)
Memory Cards	(1x) Micro SD, (1x) SD/MMC

Environmental

Operating Temperature	32° to 113°F (0° to 45°C)
Operating Humidity	10% to 85% RH, Non-Condensing
Storage Temperature	14° to 158°F (-10° to 70°C)
Storage Humidity	5% to 90% RH, Non-Condensing

Power Requirements

USB-C Charging Port	Supports up to 20V 5A (100W) input*

*15W of power is dedicated to the unit: 5W to unit's functionality and 10W to the three USB hub ports. The remaining power goes to the USB-C device the unit is connected to.

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

Visit tripplite.com/warranty today to register your new Tripp Lite product. You'll be automatically entered into a drawing for a chance to win a FREE Tripp Lite product!*

* 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.

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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