Owner's Manual

USB 3.1 Gen 1 USB-C Docking Station

Model: U442-DOCK2-S

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

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Package Contents

- U442-DOCK2-S
- 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 Mini DisplayPort to DisplayPort Adapter Cables
- P584-Series Mini DisplayPort Cables
- U322-Series USB 3.0 A/B Device Cables
- U326-Series USB 3.0 Micro-B Device Cables
- U420-003 USB 3.1 Gen 1 USB-C Cable (M/M), 3 ft.

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System Requirements

- Computer with USB-C™ or Thunderbolt 3 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

*Requires an adapter. See **Optional Accessories**.

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Product Features

- Supports USB DisplayPort Alternate Mode for connecting a VGA, HDMI or Mini DisplayPort (mDP) monitor via USB-C or Thunderbolt 3 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**)
- Allows the use of 2 monitors simultaneously to facilitate multitasking and increased productivity
- 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
- RJ45 Ethernet port supports true 10/100/1000 Mbps network speeds
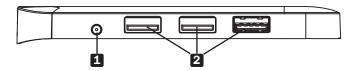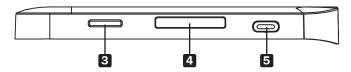- USB-A hub ports support data transfer rates up to 5 Gbps

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Product Features

- Dedicated 5V/1.5A USB ports provide fast charging power to mobile devices
- Micro SD and SD/MMC memory card slots allow external memory access via USB-C or Thunderbolt 3 port
- USB-C PD charging port supports power input up to 20V 3A (60W)
- 10W (5V 2A) of power dedicated to the 3 USB-A ports
- 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) standards
- 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 operation with no software, drivers or external power supply required
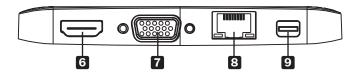
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Product Overview

1 **3.5 mm Mini Stereo Port (Female):** connect speaker or microphone

2 **USB 3.0 Ports (Female):** connect up to 3 USB peripherals

3 **Micro SD Memory Card Slot:** insert Micro SD memory card

4 **SD/MMC Memory Card Slot:** insert SD/MMC memory card

5 **USB-C PD Charging Port (Female):** connect device to USB-C charger

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Product Overview

6 **HDMI Port (Female):** connect HDMI monitor

7 **VGA Port (Female):** connect VGA monitor

8 **RJ45 Port (Female):** connect to 10/100/1000 Mbps network

9 **Mini DisplayPort (Female):** connect mDP monitor

Installation

Notes:

- *Supports the connection of 2 monitors simultaneously through DisplayPort MST mode.**
- *Only one memory card slot can be used at a time.*
- *When connected to power through the USB-C PD charging port, 15W is dedicated to the docking station and connected USB peripherals. Remaining power is used to charge the 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.*
- *When plugging and unplugging the PD adapter, connected USB devices will disconnect and then reconnect quickly. To prevent possible data loss or corruption, avoid disconnecting the PD adapter from the AC power supply while transferring data.*

*See Multi-Monitor Requirements section for details.

1. Connect USB-C port to USB-C or Thunderbolt 3 port on your laptop, tablet or other device.

2. Connect VGA port to VGA port on a monitor using a VGA cable.

   OR

3. Connect HDMI port to HDMI port on a monitor using an HDMI cable.

   OR

4. Connect mDP port to mDP port on a monitor using a Mini DisplayPort cable.

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Installation

5. Connect USB 3.0 hub ports to USB peripherals.

6. Connect RJ45 port to Ethernet network using UTP cable.

7. Connect 3.5 mm mini stereo port to microphone or speaker using 3.5 mm audio cable.

8. Insert Micro SD or SD/MMC card into corresponding memory card slot to access external memory.

9. Charge device by connecting its USB-C charger to adapter's USB-C PD charging port.

Multi-Monitor Requirements

The U442-DOCK2-S supports the connection of two monitors simultaneously through DisplayPort MST (Multi-Stream Transport) mode. One of the monitors must be connected to the Mini DisplayPort video port. You will not be able to use an HDMI monitor and a VGA monitor simultaneously.

Take into account the following limitations when connecting two monitors at the same time.

Does the Source Computer Support DisplayPort MST?

When connecting to a USB-C source that supports DisplayPort MST, the source will read the EDID information of both connected monitors as separate displays that can be used in mirror mode or extended mode.

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Multi-Monitor Requirements

When connecting to a USB-C source that does not support DisplayPort MST, such as a MacBook, SST (Single-Stream Transport) mode is used instead. Only the EDID of the first connected monitor is read by the source, forcing both monitors to display in mirror mode. The default resolution of the first monitor will be sent to the second monitor, which will display the same resolution. If the second monitor is incapable of supporting the same resolution as the first, no video will display on it. Before connecting the second monitor, the first monitor's resolution must be changed to the second monitor's resolution in order for video to display on both.

Note: The following table depicts the maximum resolution achieved on each video port, based on the connected monitors. Mac does not support DisplayPort MST; therefore, multiple monitor setups are not guaranteed.

Windows Computer (4K @ 30 Hz)	VGA (1080p @ 60 Hz)	HDMI (4K @ 30 Hz)	Mini DP (4K @ 30 Hz)
1 (4K @ 30 Hz)	2 (720p @ 60 Hz)	*	3 (4K @ 30 Hz)
1 (4K @ 30 Hz)	*	2 (1080p @ 60 Hz)	3 (4K @ 30 Hz)

* Port not in use.

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Specifications

Input Connectors	
USB	USB-C (Male)
Charging	USB-C (Female)
Output Connectors	
USB-A	(3x) USB-A (Female)
Ethernet	RJ45 (Female)
VGA	VGA (Female)
HDMI	HDMI (Female)
Mini DisplayPort	mDP (Female)
Audio	3.5 mm Mini Stereo (Female)
Memory Cards	(x1) Micro SD, (x1) SD/MMC
Environmental	
Operating Temperature	32° to 113°F (0° to 45℃)
Operating Humidity	10% to 90% RH, Non-Condensing
Storage Temperature	14° to 158°F (-10° to 70℃)
Storage Humidity	10% to 90% RH, Non-Condensing
Power Requirements	
USB-C Charging Port	Supports up to 20V 3A (60W) Input

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.

Regulatory Compliance Identification Numbers

For the purpose of regulatory compliance certifications and identification, your Tripp Lite product has been assigned a unique series number. The series number can be found on the product nameplate label, along with all required approval markings and information. When requesting compliance information for this product, always refer to the series number. The series number should not be confused with the marketing name or model number of the product.

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.

Warranty and Product Registration

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.

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20-08-167 93-379B_RevC

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