

Owner's Manual

USB-C™ Triple Display Docking Station

4K HDMI & Mini DP, VGA, GbE, 60W PD 3.0

Model: U442-DOCK16-B

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Tripp Lite: tripplite.com/support**

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Tripp Lite : tripplite.com/support**

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WARRANTY REGISTRATION

Register your product today and be automatically entered to
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Product Features

- Multi-Stream Transport (MST) lets you connect up to three displays simultaneously and extend across all displays (up to three)
- Supports HDMI and DisplayPort video resolutions up to 4096 x 2160 @ 30 Hz
- Supports VGA video resolutions up to 1920 x 1080 @ 60 Hz
- Ethernet port supports true 10/100/1000 Mbps network speeds
- USB-C PD/Data port supports power input up to 20V/3A (60W PD 3.0) and data transfer rates up to 5 Gbps
- Built-in USB-C cable stores safely and conveniently underneath the unit
- Plug-and-play design – no external power or drives are needed

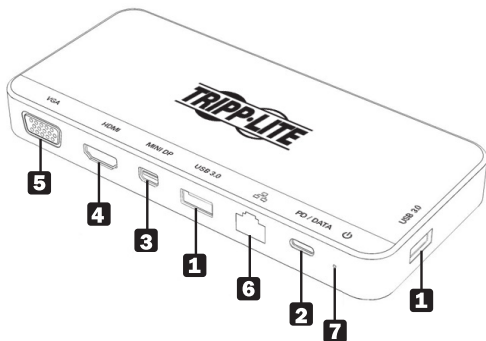
Package Includes

- U442-DOCK16-B
- Owner's Manual

Optional Accessories

- N201-Series Cat6 Gigabit Snagless Patch Cables
- P502-Series High Resolution VGA Cables
- P569-Series High Speed HDMI Cables
- U322-Series USB 3.0 A/B Device Cables
- U428-Series USB 3.1 Gen 1 A/C Cables
- U420-Series USB 3.1 Gen 1 Type-C Cable
- P584-Series Mini DisplayPort Cables

Product Overview



- 1 USB 3.0 Type-A:** Supports data transfer rates up to 5 Gbps
- 2 USB 3.1 Gen1 Type-C:** Supports PD 3.0 charging up to 60W (20V/3A) and data transfer speeds up to 5 Gbps
- 3 Mini DisplayPort:** Supports video resolutions up to 4K x 2K (4096 x 2160) @ 30 Hz
- 4 HDMI:** Supports video resolutions up to 4K x 2K (4096 x 2160) @ 30 Hz
- 5 VGA:** Supports video resolutions up to 1920 x 1080 @ 60 HZ
- 6 RJ45:** Provides 10/100/1000 Mbps Ethernet speeds
- 7 LED:** Illuminates white to indicate power

Installation

1. Pull out the self-storing cable beneath the docking station and connect it to a laptop, tablet or any other USB-C compatible device.
2. Connect an HDMI-compliant display to the docking station with a user-supplied HDMI cable, such as Tripp Lite's P569-Series (sold separately).
3. Repeat Step 2 for the Mini DisplayPort and VGA ports compatible user-supplied cables.

Note: The following Table depicts the maximum resolution achieved on each video port based on the connected displays.

- Mac does not support MST. Therefore, multiple monitor setups are not guaranteed.
- Windows sources allow you to extend across all three screens.

Windows Computer (4K @ 30 Hz)	VGA (1080p @ 60 Hz)	HDMI (4K @ 30 Hz)	Mini DP (4K @ 30 Hz)
1 (4K @ 30 Hz)	2 (1080p @ 60 Hz)	3 (4K @ 30 Hz)	*
1 (4K @ 30 Hz)	2 (1080p @ 60 Hz)	*	3 (4K @ 30 Hz)
1 (4K @ 30 Hz)	*	2 (4K @ 30 Hz)	3 (4K @ 30 Hz)
No image	1*** (1600 x 900 @ 60 Hz)	2 (1080p @ 60 Hz)	3** (1080p @ 60 Hz)

* = Port not in use.

** = In some installations, Mini DP will drop down to 1600 x 900 @ 60 Hz instead of the VGA port.

*** = Depending on the system, 1080p @ 60 Hz can be displayed across all three extended screens.

Installation

- 4.** Connect Ethernet through the RJ45 port to achieve speeds up to 10/100/1000 Mbps.
- 5.** Connect up to two USB 3.0 peripherals or devices.
- 6.** Charge your source, up to 60W, using the available USB-C port or transfer data up to 5 Gbps.

Specifications

Input Connector	
USB	USB Type-C (x1)
Output Connectors	
USB	USB 3.0 Type-A (x2) USB-C Data/Charge (x1) USB-A
Ethernet	RJ45
Video	HDMI Mini DisplayPort VGA
Environmental	
Operating Temperature	32°F to 122°F (0°C to 50°C)
Storage Temperature	-4°F to 158°F (-20°C to 70°C)
Relative Humidity	10% to 90% RH, Non-Condensing
Physical	
Unit Dimensions	6.5 x 3 x 0.81 in. (165 x 75 x 20.5 mm)
Unit Weight	0.33 lb. (0.15 kg)
Specifications	
HDMI Specification	1.4
HDCP Specification	1.4
DisplayPort Specification	1.2

Specifications

Max. Supported	HDMI (4096 x 2160 @ 30 Hz)
Video Resolutions	Mini DisplayPort (4096 x 2160 @ 30 Hz) VGA (1920 x 1200 @ 60 Hz)
Network Speed	10/100/1000 Mbps or 1 Gbps
Supported Color Depth (HDMI)	36 bit (12 bits per channel)
Chroma Subsampling (HDMI)	YCbCr: 4:4:4, 4:2:2, 4:2:0
PD Charging Specification	PD 3.0 (60W)

Troubleshooting

Why am I not able to display resolutions of 4096 x 2160 @ 30 Hz?

A. Click [Display Setting] > [Advanced Display Settings], then choose the desired resolution manually.

B. Ensure the device, display and cable all support 4096 x 2160 @ 30 Hz HD.

Why does my PD charging time vary?

The upstream device (laptop) will auto-adjust the power input based on the battery level at that current time.

Why won't my HDMI, Mini DisplayPort and VGA displays show different screens?

Most MacBook laptops do not support MST, allowing you to extend only one screen and mirror the other.

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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Warranty and Product Registration

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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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