

TRIPP LITE U442-DOCK1

Tripp Lite U442-DOCK1 USB 3.1 Gen 1 USB-C Docking Station

INSTRUCTION MANUAL

Introduction

The Tripp Lite U442-DOCK1 USB 3.1 Gen 1 USB-C Docking Station transforms your computer, laptop, or tablet into a versatile workstation. By connecting its integrated USB-C cable to your device, you gain the ability to connect an external display, access Gigabit Ethernet networks, transfer data, and utilize various peripherals.

This docking station supports a wide range of functionalities, including high-definition video output, multiple USB-A ports for peripherals, memory card access, and power delivery to your host device.

Features

- **Dual Monitor Support:** Connects two displays simultaneously for enhanced multitasking. Compatible with Thunderbolt 3. Supports extended, mirror, or video wall modes. Note: HDMI and VGA video ports do not operate simultaneously.
- **High-Definition Video Output:** Mini DisplayPort (mDP) and HDMI ports support Ultra HD video resolutions up to 3840 x 2160 (4K x 2K) at 30 Hz. The VGA port supports HD resolutions up to 1920 x 1200, including 1080p, at 60 Hz.
- **Gigabit Ethernet:** RJ45 port provides true 10/100/1000 Mbps network speeds.
- **USB-A Hub:** Three USB-A 3.2 Gen 1 ports offer data transfer speeds up to 5 Gbps for connecting flash drives, mice, keyboards, and printers. One dedicated BC 1.2-compliant USB port provides up to 1.5A for fast charging.
- **Audio Port:** A 3.5mm mini stereo jack allows connection of speakers, headphones, or a microphone.
- **Memory Card Slots:** Micro SD and SD/MMC slots provide access to external memory.
- **USB-C Power Delivery (PD):** Supports power input up to 20V 3A (60W) to power the connected device and peripherals.
- **Plug-and-Play:** Requires no software drivers or external power for basic functionality.

Package Contents

- U442-DOCK1 USB 3.1 Gen 1 USB-C Docking Station
- Owner's Manual

Setup

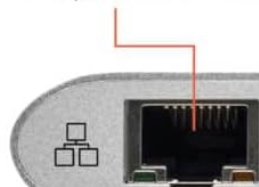
Follow these steps to set up your Tripp Lite U442-DOCK1 docking station:

1. Connect the integrated USB-C cable from the U442-DOCK1 to an available USB-C port on your host device (laptop, tablet, or computer).
2. If power delivery is desired, connect a USB-C wall charger (not included) to the USB-C PD port on the docking station. This will power the docking station and charge your host device.
3. Connect your desired peripherals and displays to the appropriate ports on the docking station as described in the Operating Instructions section.

Expand the Capabilities of Your Computer

Model: U442-DOCK1

Gigabit Ethernet
RJ45 port supports a
1 Gbps connection.



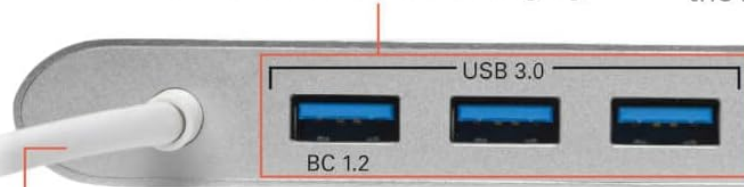
4K UHD Video
Mini DisplayPort and HDMI port
support video resolutions up to
3840 x 2160 (4K x 2K) @ 30 Hz.



1080p Video
VGA port supports video
resolutions up to
1920 x 1200 @ 60 Hz.



Peripheral Support
USB-A 3.0 ports transfer data at speeds
up to 5 Gbps. One port supports
BC 1.2 for fast device charging.



Power Delivery
USB-C PD port supports input
up to 100W to power and charge
the host computer and USB devices.



Audio Support
Mini stereo jack supports
both speakers/headphones
and a microphone.

External Memory Support
Slots for an SD or MicroSD
card support data transfer.

USB-C Host Connection
Built-in USB-C cable connects to laptop.



Image: Overview of the Tripp Lite U442-DOCK1 USB-C Docking Station, showcasing its compact design and available ports.

Operating Instructions

1. Connecting Displays

The U442-DOCK1 supports connecting one or two external displays. Note that HDMI and VGA ports cannot be used simultaneously for video output. For dual display, use Mini DisplayPort with either HDMI or VGA.

- **HDMI Port:** Connect an HDMI cable from your display to the HDMI port on the docking station. Supports resolutions up to 4K (3840 x 2160) at 30 Hz.
- **Mini DisplayPort (mDP):** Connect a Mini DisplayPort cable from your display to the mDP port. Supports resolutions up to 4K (3840 x 2160) at 30 Hz.
- **VGA Port:** Connect a VGA cable from your display to the VGA port. Supports resolutions up to 1920 x 1200 (1080p) at 60 Hz.

Dual Monitor Support

Use two external displays simultaneously.

Extended Mode*



Mirror Mode



* Requires DisplayPort Multi-Stream Transport (MST).

Image: Diagram showing how to configure dual monitors in Extended Mode (e.g., 4K mDP + 1080p HDMI) and Mirror Mode (e.g., 1080p mDP + 1080p HDMI).

More Ports, More Possibilities

Transform your laptop into a multiport workstation.

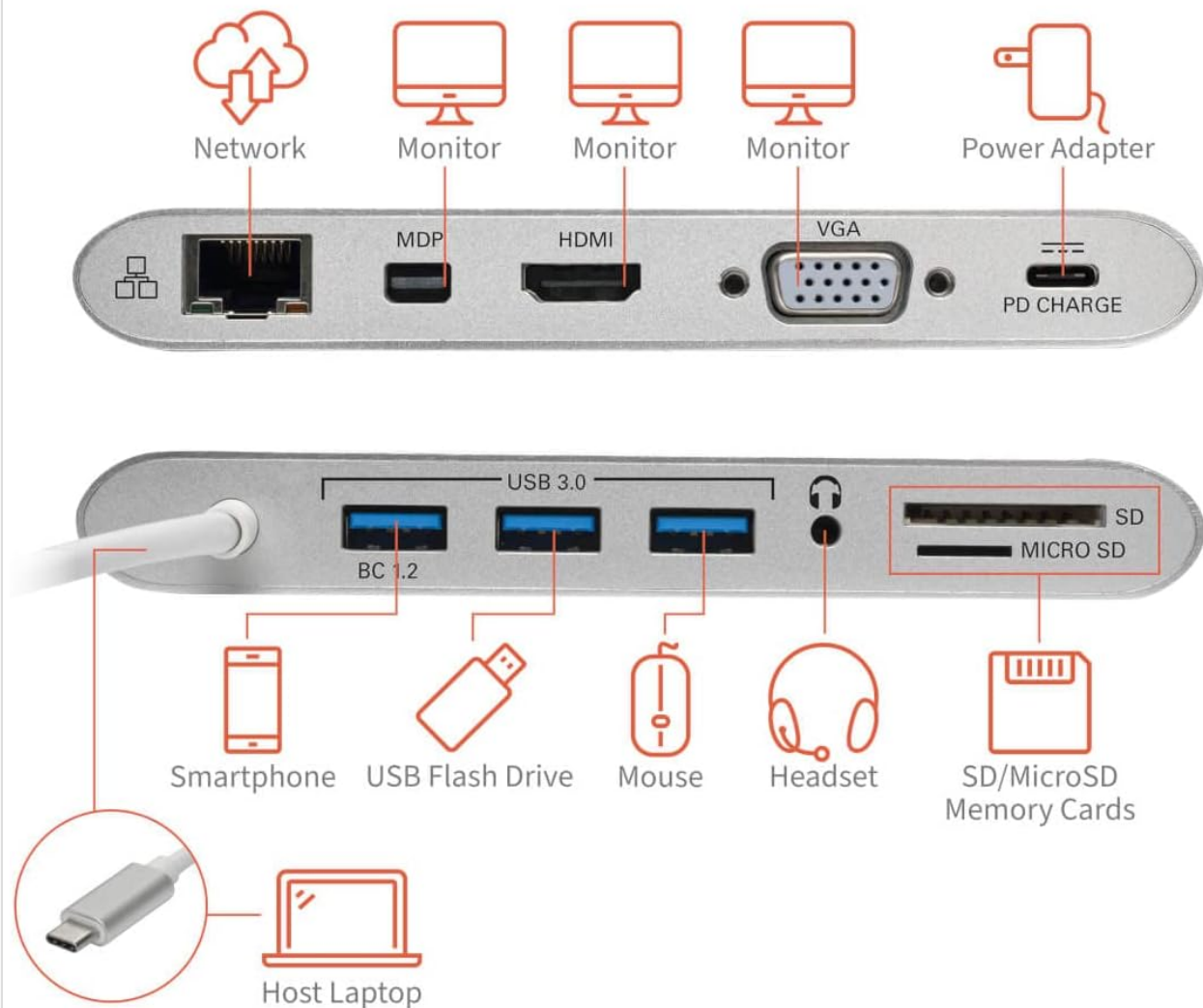


Image: Detailed view of the docking station's ports, including Gigabit Ethernet, 4K UHD Video (mDP, HDMI), 1080p Video (VGA), PD Charge, Peripheral Support (USB 3.0, BC 1.2), Audio Support, External Memory Support (SD, Micro SD), and USB-C Host Connection.

2. USB-A Peripheral Connections

Connect USB devices such as keyboards, mice, flash drives, or external hard drives to the three USB 3.0 ports. The port labeled 'BC 1.2' provides enhanced charging capabilities for compatible devices.

3. Gigabit Ethernet

For a wired network connection, connect an Ethernet cable (RJ45) from your network router or switch to the Gigabit Ethernet port on the docking station.

4. Audio Connection

Plug headphones, speakers, or a microphone into the 3.5mm audio jack for audio input/output.

5. Memory Card Access

Insert SD or Micro SD memory cards into the corresponding slots to access data from external memory.

6. Power Delivery

If your host device supports USB-C Power Delivery, connect its original USB-C power adapter to the PD CHARGE port on the docking station. This will pass power through to charge your host device while also powering the docking station and connected USB peripherals.

Powerful and Portable

Compact form factor is travel friendly.

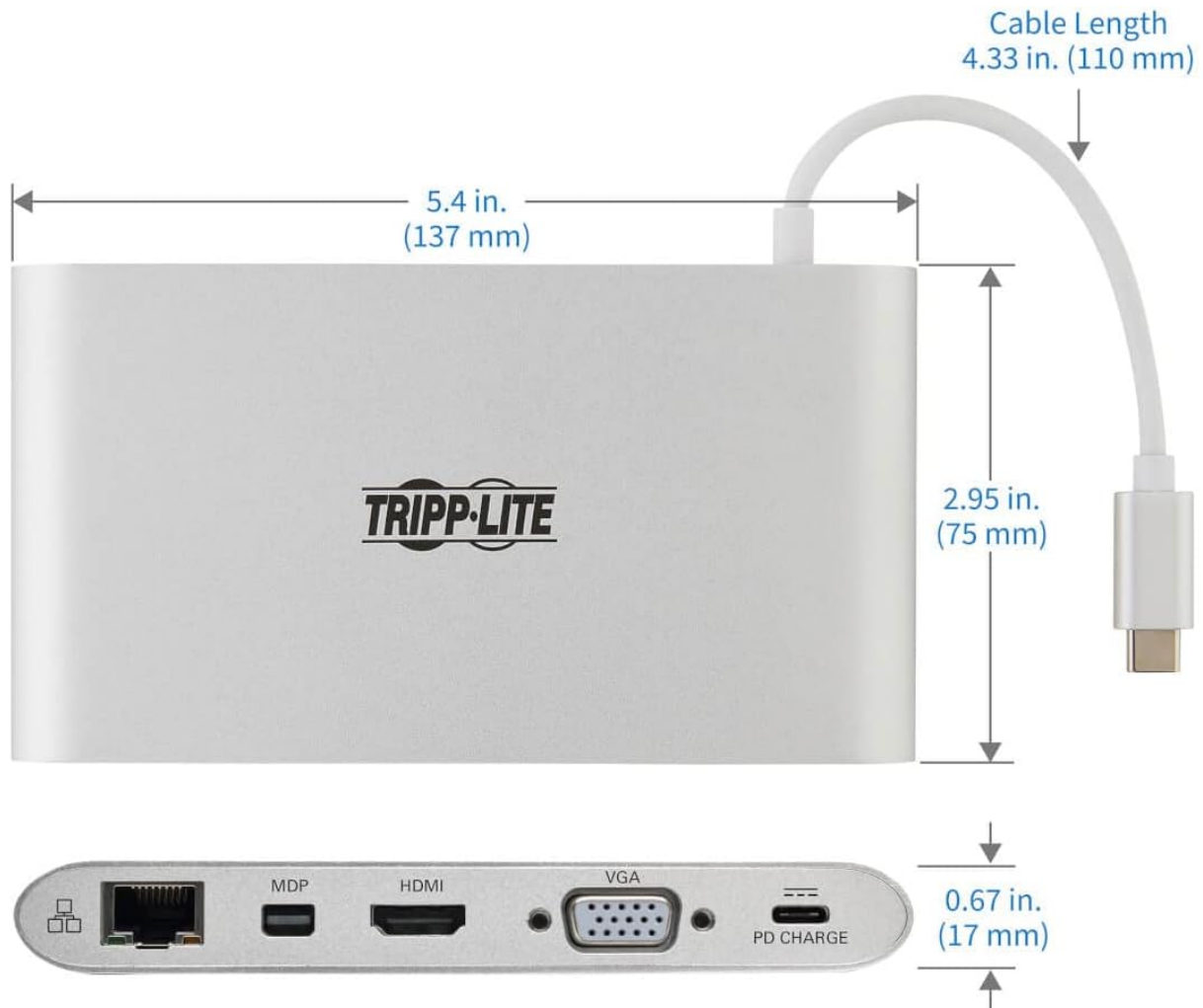


Image: Illustration of the U442-DOCK1 connecting to a host laptop and supporting various peripherals including network, multiple monitors, power adapter, smartphone, USB flash drive, mouse, headset, and SD/MicroSD memory cards.

Maintenance

To ensure optimal performance and longevity of your Tripp Lite U442-DOCK1 docking station:

- Keep the device clean by wiping it with a soft, dry cloth. Avoid using liquid or aerosol cleaners.
- Do not expose the device to extreme temperatures, humidity, or direct sunlight.
- Avoid dropping or subjecting the device to strong impacts.
- Ensure proper ventilation around the device during operation.

Troubleshooting

If you encounter issues with your U442-DOCK1, try the following steps:

- **No Display Output:**

- Ensure the USB-C cable is securely connected to both the docking station and your host device.
- Verify that the display cable (HDMI, mDP, or VGA) is firmly connected to both the docking station and the monitor.
- Check your host device's display settings to ensure the external monitor is detected and configured correctly (e.g., extended, mirrored).
- Remember that HDMI and VGA ports cannot be used simultaneously for video output.

- **USB Devices Not Recognized:**

- Ensure the USB device is properly inserted into the docking station's USB-A port.
- Try connecting the USB device to a different USB-A port on the docking station or directly to your host device to rule out device issues.
- If using a high-power USB device, ensure the docking station is connected to a power source via its USB-C PD port.

- **No Network Connection:**

- Verify the Ethernet cable is securely connected to both the docking station and your network.
- Check your host device's network settings to ensure the Ethernet adapter is recognized and enabled.

- **Power Delivery Not Working:**

- Ensure your USB-C wall charger is connected to the PD CHARGE port and is functional.
- Confirm your host device supports USB-C Power Delivery.

- **Audio Issues:**

- Check that your audio device (headphones/speakers) is correctly plugged into the 3.5mm audio jack.
- Verify your host device's audio output settings are configured to use the docking station's audio output.

Specifications

Feature	Specification
Model Number	U442-DOCK1
Brand	TRIPP LITE
Hardware Interface	USB Type C
Compatible Devices	Laptop, Tablet, Smartphone
Total USB Ports	5 (3x USB 3.0, 1x BC 1.2, 1x USB-C PD)
Product Dimensions (L x W x H)	7" x 5" x 1" (17.78 cm x 12.7 cm x 2.54 cm)
Item Weight	0.5 Pounds (0.23 kg)
Total HDMI Ports	1
Total Mini DisplayPort (mDP)	1
Total VGA Ports	1

Gigabit Ethernet	1 (RJ45)
Audio Jack	1 (3.5mm)
Memory Card Slots	SD, Micro SD
Power Delivery (PD) Input	Up to 100W (20V 3A)
HDMI Resolution	Up to 4K (3840 x 2160) @ 30 Hz
Mini DisplayPort Resolution	Up to 4K (3840 x 2160) @ 30 Hz
VGA Resolution	Up to 1920 x 1200 (1080p) @ 60 Hz



Image: Physical dimensions of the U442-DOCK1, showing length, width, height, and cable length.

Warranty and Support

This Tripp Lite product is covered by a 1-year limited warranty. For technical support or warranty inquiries, please refer to the official Tripp Lite website or contact their customer service. Keep your purchase receipt for warranty validation.

For the most current support information, visit the Tripp Lite website: www.tripplite.com

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