Owner's Manual

USB-C™ Triple Display Docking Station

Model: U442-DOCK7D-B

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Product Features

- All-in-one docking station includes ports for HDMI, DisplayPort, VGA, Gigabit Ethernet, USB-C (x2), USB-A (x5) and 100W Power Delivery (PD) charging.
- 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 1200 @ 60 Hz.
- Ethernet port supports true 10/100/1000 Mbps network speeds.
- PD 3.0 Fast Role Swap maintains data and power connections upon removal and connection of charging power adapter.
- USB-C PD charging port supports power input up to 20V/5A (100W).
- Supports dynamic current detection and power distribution enabling your source (host) to be charged at a dynamic power level instead of a fixed power level.
- Dedicated BC 1.2-compliant USB-A port provides up to 1.5A of fast charging power to mobile devices.
- Secure Digital v3.0 SD/Micro SD card slots for external memory may be used simultaneously.
- USB 3.0 and USB 2.0 ports support 5 Gbps and 480 Mbps data transfer speeds respectively.
- Thunderbolt 3 compatible.
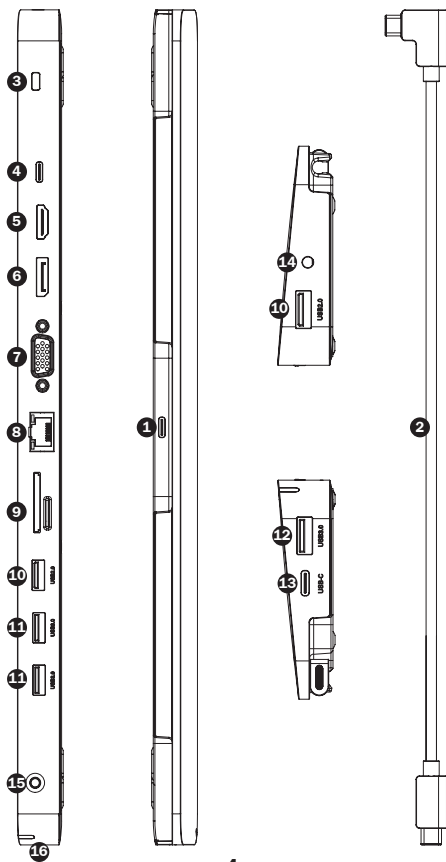- Plug-and-play design – no software, drivers or external power required.

Package Contents

- U442-DOCK7D-B
- USB 3.1 Type-C Cable – 1 ft. (0.3 m), 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
- P569-Series High-Speed HDMI Cables
- P580-Series DisplayPort Cables with Latches
- U322-Series USB 3.0 A/B Device Cables
- U420-Series USB 3.1 Gen 1 C/C Cables
- U428-Series USB 3.1 Gen 1 A/C Cables
- M100-Series USB Sync/Charge Cable – USB-A to Lightning

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Product Overview

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Product Overview

❶ USB Type-C To Host: Connect this port to the host (source) via the removable USB-C to USB-C cable.

❷ USB Type-C Cable: Detachable USB-C to USB-C cable connects the host to the docking station.

❸ Anti-Theft Lock: Connect a user-supplied computer/laptop security cable lock.

❹ USB Type-C PD Charging Port: Connect a device's PD Power Adapter here.

❺ HDMI Port: Connect an HDMI monitor.

❻ DisplayPort Port: Connect a DisplayPort monitor.

❼ VGA Port: Connect a VGA monitor.

❽ RJ45 Port: Connect to a 10/100/1000 Mbps network.

❾ SD/Micro SD Card Slot: Insert SD and Micro SD memory cards.

❿ USB-A 2.0 Ports (x2): Connect up to two USB 2.0 peripherals or devices.

⓫ USB-A 3.0 Ports (x2): Connect up to two USB 3.0 peripherals or devices.

⓬ USB-A 3.0 with BC 1.2 Port: Supports 5V 1.5A charging for power-hungry devices.

⓭ USB Type-C Data Only Port: Supports the transmission of data up to 5 Gbps.

⓮ 3.5 mm Mini Stereo Port: Connect speaker or microphone.

⓯ Power Button: Turns the unit off and on.

⓰ LED: Green LED illuminates when the unit is on and receiving power.

Installation

Notes:

- *Maximum resolutions when all three displays are connected are 1920 x 1080 @ 60 Hz in SST (Single Stream Transport) mode and 1280 x 720 @ 60 Hz in MST (Multi Stream Transport) mode.*
- *Mac OS laptops or computers will only extend to one monitor. The others will be mirrored.*

1. Detach the USB 3.1 Type-C cable from the unit. Plug the right-angled USB-C connector to the docking station and the straight USB-C connector to your source (e.g. laptop).

2. Connect up to three monitor(s) using the available HDMI, VGA and DisplayPort video ports.

   Note: Up to three monitor screens can be extended, providing a total of four separate screens (including your source's screen). The following table defines the maximum video resolutions based on specific configurations while in SST and MST modes.

SST Mode (Single Downstream Display)			
Ports	**VGA**	**HDMI**	**DP**
Single Display Connected	1080p/60 Hz	N/A	N/A
	N/A	4K/30 Hz	N/A
	N/A	N/A	4K/30 Hz
Dual Displays Connected	1080p/60 Hz	1080p/60 Hz	N/A
	1080p/60 Hz	N/A	1080p/60 Hz
	N/A	4K/30 Hz	4K/30 Hz
Triple Displays Connected	1080p/60 Hz	1080p/60 Hz	1080p/60 Hz

Installation

MST Mode (Multiple Downstream Displays)			
Ports	VGA	HDMI	DP
Single Display Connected	1080p/60 Hz	N/A	N/A
	N/A	4K/30 Hz	N/A
	N/A	N/A	4K/30 Hz
Dual Displays Connected	1080p/60 Hz	1080p/60 Hz	N/A
	1080p/60 Hz	N/A	1080p/60 Hz
	N/A	4K/30 Hz	4K/30 Hz
Triple Displays Connected	720p/60 Hz	720p/60 Hz	720p/60 Hz

3. Connect up to two USB 2.0 peripherals such as a keyboard and mouse.

4. Connect up to three USB 3.0 peripherals.

   Note: The USB 3.0 BC 1.2-compliant port supports up to 7.5W (5V 1.5A) of charging power.

5. Connect to an Ethernet network through the RJ45 port to achieve speeds up to 10/100/1000 Mbps.

6. Connect the 3.5 mm Mini Stereo port to a microphone or speaker with a user-supplied 3.5 mm audio cable.

7. Insert an SD or Micro SD card into the corresponding memory card slots to access external memory.

   Note: Both memory card slots may be used simultaneously.

8. Transfer data at speeds up to 5 Gbps using the USB Type-C data port.

9. Charge the source device by connecting its USB-C PD Charger to the docking station's USB-C PD Charging port for up to 100W (20V 5A) of charging power.

10. Connect a security cable lock to the anti-theft lock port (optional).

Specifications

Input Connector	
USB-C	USB Type-C, Female
Output Connector(s)	
USB-A	USB 3.0, Female (x3), USB 2.0, Female (x2)
USB-C	USB-C Data Only, Female
	USB-C PD Charge Only, Female
Ethernet	RJ45, Female
VGA	VGA, Female
HDMI	HDMI, Female
DisplayPort	DisplayPort, Female
Audio	3.5 mm, Female
Memory Cards	SD, Micro SD
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
Mechanical	
Unit Dimensions [H x W x D]	0.71 x 13.76 x 2.91 in. (18.1 x 348 x 74 mm)
Unit Weight	0.55 lb. (0.25 kg)

Specifications

Specifications	
HDMI Specification	1.4
HDCP Specification	1.4
DisplayPort Specification	1.2
Maximum Supported Video Resolution(s)	HDMI (4096 x 2160 @ 30 Hz), DisplayPort (4096 x 2160 @ 30 Hz), VGA (1920 x 1200 @ 60 Hz)
Network Speed	10/100/1000 Mbps or 1 Gbps
Color Depth (HDMI)	36 bit (12 bits per channel)
Chroma Subsampling (HDMI)	YCbCr: 4:4:4, 4:2:2, 4:2:0 and RGB: 4:4:4
Audio Specifications	LPCM 7.1 Channel Surround Sound Audio
PD Charging Specification	PD 3.0 (100W)

Warranty and Product Registration

3-Year Limited Warranty

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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

WARNING

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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