

# Safe-IT USB-C Dock, Triple Display - 4K 60 Hz HDMI/DisplayPort, VGA, USB 3.2 Gen 2, USB Hub, Gigabit Ethernet, 100W PD Charging, Antibacterial

MODEL NUMBER: U442AB-DOCK9



17-port USB-C docking station lets you extend video from your MacBook Pro or Windows laptop across 3 displays simultaneously.

## Features

### USB-C Docking Station Turns Your Device's USB-C or Thunderbolt 3 Port into 17 New Ports

This universal USB-C dock with Power Delivery (PD) charging expands the potential of your Windows laptop, Chromebook, MacBook Pro or PC's USB-C or Thunderbolt 3 port. Connect the dock using the included USB-C cable, and add 17 ports to your device: (2x) 4K 60 Hz HDMI 4K 60 Hz DisplayPort 1080p VGARJ45 Gigabit Ethernet USB 3.2 Gen 2 Type-C(2x) USB 3.2 Gen 2 Type-A(2x) USB 2.0 Type-A-USB-A Quick Charge 3.0 USB-C PD Charging (100W) TOSLINK audio Coaxial audio 3.5 mm mini stereo SD 4.0 CardMicro SD 4.0 Card

### Provides Extra Protection Against Certain Bacteria

The U442AB-DOCK9 is constructed using an antibacterial material that is effective in inhibiting Escherichia coli (E. coli) and Staphylococcus aureus (staph). This added protection makes this Safe-IT™ docking station an ideal solution for medical facilities, schools, businesses, restaurants/kitchens and anywhere else that needs extra protection against bacteria.

### Supports USB-C DisplayPort Alternate Mode for Transmitting Audio/Video Signals

By connecting the detachable USB-C cable to a source device that supports USB DisplayPort Alt Mode, you can output 4K video and digital audio to compatible monitors, televisions or projectors without installing special software drivers.

### Transmits 4K Video to 3 Displays Simultaneously

The dual HDMI outputs and the DisplayPort output individually support 4K video resolutions at 60 Hz with High Dynamic Range (HDR) and 4:4:4 chroma subsampling. The VGA output supports 1080p resolutions and can be used simultaneously with the HDMI ports. By connecting a source that supports DisplayPort 1.2 HBR2, DisplayPort 1.4 HBR3 or DisplayPort 1.4 HBR3 with DSC support, you may connect up to three displays simultaneously. This allows you to display the same image on all monitors, extend your host desktop across all with different windows open on each, or combine all into one large display as a video wall. **Note:** See the SST (Single-Stream Transport) and MST (Multi-Stream Transport) tables in the included Owner's Manual (also downloadable in PDF format from this page) for more information.

### USB Ports Connect Keyboards, Thumb Drives and Other Peripherals

One USB-C and two USB-A hub ports support fast USB 3.2 Gen 2 data transfer rates up to 10 Gbps for

## Highlights

- Made with antibacterial material proven effective in inhibiting E. coli and staph
- Extends desktop image across 2 HDMI and one DisplayPort monitor at the same time
- Connects you to a wired 10/100/1000 Ethernet network when Wi-Fi is unavailable
- Power Delivery port supports 20V 5A (100W) power output for charging host device
- USB-C/A hub ports and memory card slots support flash drives and other peripherals

## System Requirements

- Source device with USB-C or Thunderbolt 3 port that supports USB DisplayPort Alternate Mode
- Display device(s) with HDMI, DisplayPort and/or VGA input
- Multi-Stream Transport (MST) required to achieve extended or mirrored displays; typically, Windows systems support MST
- Single-Stream Transport (SST) required to achieve mirrored displays; typically, Mac systems support SST

## Package Includes

- U442AB-DOCK9 USB-C Dock, Triple Display
- USB-C to USB-C cable (M/M), 3.3 ft. (1 m)
- External power supply (Input: 100-240V, 50/60 Hz, 2A; Output: 20.5V 5.85A)
- Detachable C5 to NEMA 5-15P power adapter, 6 ft. (1.8 m)
- Owner's manual



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connecting external storage, such as flash drives and external hard drives. Two other USB-A ports support USB 2.0 speeds for mice, keyboards and other peripherals. The Quick Charge 3.0 port is dedicated to charging smartphones and other compatible devices (5V/9V/12V) when the PD charging port is in use or if the external power supply is connected to an AC outlet.

#### PD Charging Port Charges the Connected Notebook, Tablet or Other Device

Connect the host device's AC wall charger to the USB-C Power Delivery (PD) 3.0 port, which supports power input up to 20V 5A (100W). Smart power technology allows the U442AB-DOCK9 to distribute power according to actual consumption of the connected devices. The host receives 60W to 100W of power based on the number of connected devices drawing power.

#### Accesses a Wired Gigabit Ethernet Network

The RJ45 port offers access to a Gigabit Ethernet network when Wi-Fi is unavailable or when a wired connection offers faster speeds. Connect using a UTP cable (sold separately), and enjoy true 10/100/1000 Mbps Ethernet speeds for fast data transfers.

#### Allows External Memory Access

The memory card slots support Micro SD and SD/MMC cards for transferring data to and from your connected computer, laptop or tablet. Both card slots support UHS-II up to 312 Mbps and can be used at the same time.

#### Connects Speakers, Microphone and Other Audio Equipment

A 3.5 mm mini stereo jack, an RCA coaxial port and a TOSLINK port are convenient for connecting speakers, headphones and/or a microphone to your workstation. You can listen to music or record the latest episode of your podcast.

#### Anti-Theft Lock Protects the USB-C Docking Station When You Aren't Around

Connect a user-supplied computer/laptop security cable lock (not included) to this port to protect the dock against theft.

#### Ready to Use Right Out of the Package

The plug-and-play USB-C dock is specifically designed for use with Windows laptops and other notebooks, smartphones, tablets and devices equipped with a USB-C or Thunderbolt 3 port. It requires no extra software to be downloaded or installed.

## Specifications

OVERVIEW	
UPC Code	037332266705
Product Type	Docking Station
Device Compatibility	Amazon Kindle; Chromebook; Computer; DVR; Headphones; Laptop; Monitor/HDTV; Phone; Printer; Projector; Tablet; Watch
Technology	DisplayPort; HDMI; Stereo Audio; USB 3.x; VGA/SVGA
Country/Region	North America
Host Connector	USB C (FEMALE)
VIDEO	
Video Input	USB C (FEMALE)
Video Output	DISPLAYPORT (FEMALE); HD15 (FEMALE); HDMI (FEMALE)
Number of Monitors Supported	3
Video Ports	DISPLAYPORT (FEMALE); HD15 (FEMALE); (2) HDMI (FEMALE)

Video Ports Details	HDCP 1.4; HDCP 2.2; DisplayPort 1.4
Resolutions Supported	HDMI: 4096 x 2160 @ 60 Hz (4K x 2K)DisplayPort: 3840 x 2160 @ 60 Hz (4K x 2K)HD15 (VGA): 1920 x 1200 @ 60 Hz (1080p)
Supported Resolutions	1920x1080 (1080p); 3840x2160 (4K)
Max Supported Video Resolution	HDMI: 4096 x 2160 @60HZ, DP: 3840 x 2160 @60HZ, VGA: 1920 x 1200 @60Hz
Recommended Cabling	<a href="#">P569-Series HDMI Cabling</a> <a href="#">P580-Series DisplayPort Cabling</a>
Extended Mode	Yes
Extended Mode Details	Extend the host computer's desktop, transmit video or display images across up to three connected displays in the following video combinations: <b>Windows:</b> Supports dual video output at 4K/30 Hz per output (HDMI + HDMI or HDMI + DisplayPort)Supports triple video output at 4K/30Hz + 2x 1080P/60Hz simultaneously in MST mode (HDMI + HDMI + DP or HDMI + HDMI + VGA) <b>Mac OS:</b> Supports dual video output at 4K/60Hz per output (HDMI + HDMI or HDMI + DisplayPort)Not capable of extending a desktop across three displays (displays will only mirror images via SST Mode)Note: To achieve the above max resolution of each port, the connected host should support DP1.4 Alt Mode. The video resolutions will be decreased if the host only supports DP1.2 due to bandwidth limitations. The above resolution combinations are for reference, the actual video output resolution depends on the connected host and displays.
Mirror Mode	Yes
Mirror Mode Details	Mirror video content or images across up to three connected displays in the following video combinations: <b>Windows:</b> Supports dual video output at 4K/30 Hz per output (HDMI + HDMI or HDMI + DisplayPort)Supports triple video output at 4K/30Hz + 2x 1080P/60Hz simultaneously under MST mode (HDMI + HDMI + DP or HDMI + HDMI + VGA) <b>Mac OS:</b> Supports dual video output at 4K/60Hz per output (HDMI + HDMI or HDMI + DisplayPort)Supports triple video output at 4K/60Hz + 4K/60 Hz + 1080P/60Hz under SST mode to mirror video across each displayNote: To achieve the above max resolution of each port, the connected host should support DP1.4 Alt Mode. The video resolutions will be decreased if the host only support DP1.2 due to bandwidth limitations. The above resolution combinations are for reference, the actual video output resolution depends on the connected host and displays.
Max Supported Color Depth	30-bit Deep Color
HDR Support	Yes
3D Video Supported	Yes
Chroma Sub Sampling	4:2:2; 4:4:4
EDID Support	Yes
Signal Transmission	Unidirectional
Bandwidth	16.2 Gbps
DisplayPort Alt Mode	Yes
DSC Support	Yes
<b>AUDIO</b>	
Audio Ports	3.5MM (FEMALE); RCA (FEMALE); TOSLINK (FEMALE)
Audio Ports Details	(x1) 3.5mm Support phone out with digital audio max 96KHz/24bit sampling rateSupport Mic in with digital audio max 96KHz/24bit sampling rateSupport CTIA & OMTP auto detection(x1) Toslink Support digital audio max 96KHz/24bit sampling rate(x1) RCA Support digital audio max 96KHz/24bit sampling rate
Audio Specification	Supports digital audio with max 96Khz/24bit sampling rate
<b>DATA</b>	
Data Ports	(4) USB A (FEMALE); USB C (FEMALE)
Data Ports Details	(2) USB-A - USB 2.0; (2) USB-A - USB 3.2 Gen 2 (10 Gbps); USB-C - USB 3.2 Gen 2 (10 Gbps)



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NETWORK	
Network Ports	RJ45 (FEMALE)
Network Ports Details	10 Mbps; 100 Mbps (Fast Ethernet); 1 Gbps (Gigabit)
STORAGE	
Card Slots	MICRO SD (FEMALE); SD (FEMALE)
Card Slots Details	SD and mSD (TF) 4.0 ports each support UHS-II up to 312MBps data rateBoth card slots can be used simultaneously
INPUT	
AC Power Adapter Plug(s)	NEMA 5-15P North America
AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50/60Hz / 2.0A
AC Power Adapter Output Specs (V / A)	20.5V / 5.85A
AC Power Adapter Cord Length (ft.)	3.94
AC Power Adapter Cord Length (m)	1.2
Maximum Input Amps	2.0
Plug Type	NEMA 5-15P
Voltage Compatibility (VAC)	100; 110; 120
Bus Powered	No
Product Length (in.)	7.28
Product Length (cm.)	18.5
Product Length (ft.)	0.61
Product Length (m)	0.185
Power Source	AC Adapter with detachable power cord
BATTERY	
Battery Charging (5V/1.5A Port)	Yes
POWER	
Power Source Type	AC Adapter with detachable power cord
AC Adapter	100-240V, 50/60 Hz, 2A
AC Adapter Output Specs (V / A)	20.5V ~ 5.85A
DC Barrel Plug	OD: 7.4 x 0.6 x 12.5mm, Positive Pin, Negative Sleeve
USB Power Delivery (PD) Charging Support	Yes
USB Power Delivery (PD) Charging Specification	3.0



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USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	Orange (Power), Green (Activity)
CHARGING	
Number of Charging Ports	7
Total Charging Watts	120
Charging Port Type	(3) USB A (FEMALE); (2) USB C (FEMALE)
Charging Ports	(1) 2.4A Quick Charge; (4) USB-A: 0.9A; (1) USB-C: 100W (20V 5A) Power Delivery (PD 3.0); (1) USB-C: 5V 1.5A (7.5W)
Charging Ports Details	1 x USB-C 3.2 Gen 2 port (5V/1.5A)2 x USB-A 3.2 Gen 2 ports (5V/0.9A)2 x USB-A 2.0 ports (share 0.9A total)1 x Quick Charge (QC) 3.0 port (2.4A)1 x USB-C PD 3.0 Port 100W (20V/5A)
Charging Ports / Amps	(2) 0.9A; (1) 1.5A; (1) 2.4A; (1) 5A
Smart Charging Details	120W power supply distributes power intelligently between the host and all connected devices. The host device is charged with between 60W to 100W depending on the devices also being charged.
Compatible Devices	Chromebook; Laptop; Portable Speaker; Smartphone; Tablet; Video Game Console
PHYSICAL	
Color	Black
Material of Construction	ABS
Cable Jacket Color	Black
Connector Color	Black
Cable Jacket Material	PVC
Cable Outer Diameter (OD)	5.0 mm
Cable Length (ft.)	3.28
Cable Length (m)	1.00
Cable Length (in.)	39.36
Total Number of Ports	18
Shipping Dimensions (hwd / in.)	2.76 x 8.66 x 5.91
Shipping Weight (lbs.)	2.69
Unit Dimensions (hwd / in.)	1.180 x 7.280 x 3.150
Unit Dimensions (hwd / cm)	3 x 18.5 x 8
Unit Dimensions (hwd / mm)	30 x 185 x 80
Unit Packaging Type	Box
Unit Weight (lbs.)	0.75
Unit Weight (kg)	0.34
ENVIRONMENTAL	
Operating Temperature Range	32° to 113°F (0° to 45°C)



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Storage Temperature Range	14° to 158°F (-10° to 70°C)
Operating Humidity Range	10% to 85% RH, Non-Condensing
Storage Humidity Range	5% to 90% RH, Non-Condensing
Power Provided to Connected Device(s)	Max 120W power supply from DC adapter (supports 120W total to the dock, with maximum 100W to the host computer). USB-C PD port = 20V/5A (100W). USB 3.2 Type-A ports: Max 900mA downstream charging per port. USB 2.0 Type-A ports: x2 ports share max 900mA downstream charging. USB 3.2 Type-C port: Max 1.5A downstream charging. QC 3.0 port: 5V/9V/12V
<b>COMMUNICATIONS</b>	
Network Compatibility	10 Mbps; 100 Mbps (Fast Ethernet); 1 Gbps (Gigabit)
EDID Compatible	Yes
<b>CONNECTIONS</b>	
Number of Ports	18
Ports Detail	Connect to a wired Gigabit Ethernet network using user-supplied Cat6 cabling (such as the <a href="#">N201-Series</a> , sold separately).
Side A - Connector 1	(3) USB C (FEMALE)
Side A - Connector 2	(5) USB A (FEMALE)
Side A - Connector 3	(2) HDMI (FEMALE)
Side A - Connector 4	DISPLAYPORT (FEMALE)
Side A - Connector 5	HD15 (FEMALE)
Side A - Connector 6	RJ45 (FEMALE)
Side B - Connector 1	3.5MM (FEMALE)
Side B - Connector 2	TOSLINK (FEMALE)
Side B - Connector 3	RCA (FEMALE)
Side B - Connector 4	SD (FEMALE)
Side B - Connector 5	MICRO SD (FEMALE)
Connector Plating	Nickel
Connector Style	Straight
<b>FEATURES &amp; SPECIFICATIONS</b>	
Quick Charge Compliant	3.0
USB Hub Ports	Yes
Number of USB Hub Ports	5
USB Specification	USB 2.0 (up to 480 Mbps); USB 3.2 Gen 2 (Up to 10 Gbps)
MST Support	Yes
Multi-Resolution Support	Yes
Network Speed Support	1 Gbps (Gigabit)
Antibacterial	Yes



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Ethernet Support	Yes
Suspend Mode Support	Yes
SD Card Specification	Micro SD; SD
Displayport Specification	1.4
HDCP Specification	1.4; 2.2
Recommended Category Cable	Cat6 UTP
STANDARDS & COMPLIANCE	
Product Certifications	EN 55032; EN 55035; ICES (Canada)
Product Compliance	FCC Part 15 Class B (USA); RoHS
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty

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