USB-C Dock, Dual Display - 4K 60 Hz HDMI, USB 3.x (5Gbps) Hub Ports, Memory Card, 100W PD Charging, Gray

MODEL NUMBER: **U442-DOCK8-GG**

USB-C docking station with PD Charging connects 2 HDMI displays, USB-A peripherals and memory cards to your Chromebook, Windows laptop or tablet.

Features

USB-C Docking Station Turns Your Device's USB-C or Thunderbolt 3 Port into a Workstation
This USB-C dock with PD Charging expands the potential of your Windows laptop, Chromebook, smartphone or PC's USB-C or Thunderbolt 3 port. It's ideal for transmitting 4K video and digital audio to two large displays, adding a thumb drive and other USB peripherals, and powering and charging a PD Charging-compliant mobile device, all at the same time.

Supports USB-C DisplayPort Alternate Mode for Converting Audio/Video Signals
By connecting the built-in USB-C cable to a source device that supports USB DisplayPort (DP) Alt Mode, you can output 4K video and digital audio to an HDMI monitor, television or projector without installing special software drivers.

Transmits 4K Video to 2 HDMI Displays Simultaneously
Two HDMI outputs each support 4K video resolutions up to 3840 x 2160 at 60 Hz with multi-channel sound, 36-bit Deep Color and 4:4:4 chroma subsampling. You can display the image from the host computer on both monitors, extend your host desktop across both with different windows open on each, or combine both into one large display as a video wall. Connect both monitors in Extended (4K at 30 Hz under MST/Windows) or Mirror (4K at 60 Hz under SST/Mac) mode. ***Note**: When connecting a DP 1.4 Alt Mode host, the maximum HDMI resolution is 3840 x 2160 at 60 Hz for one monitor and 3840 x 2160 at 30 Hz for two. When connecting a DP 1.2 Alt Mode host, the maximum HDMI resolution is 3840 x 2160 at 30 Hz for one monitor and 1920 x 1080 at 60 Hz for two, due to bandwidth limitation.*

USB Ports Connect Keyboards, Thumb Drives and Other Peripherals
Three USB-A hub ports accept USB peripherals, such as flash drives, mice, keyboards and printers. They support fast USB 3.2 Gen 1 data transfer rates up to 5 Gbps and are backward compatible with earlier USB generations. One dedicated port also supports 5V 1.5A (7.5W) of charging power dedicated to fast-charging your mobile device. ***Note**: Host must support USB OTG (USB On-the-Go).* The three ports share 8W (5V/1.6A) downstream charging.

PD Charging Port Charges the Connected Notebook, Tablet or Other Device
The USB-C port supports Power Delivery (PD) 3.0 charging of the connected PD Charging-compliant device. Connect the device's AC wall charger to the USB-C PD port, which supports power input up to 20V 5A (100W). ***Note**: 15W is dedicated to USB ports with remaining 85W available for PD Charging. This*

Highlights

- Converts audio/video signals from sources supporting USB-C DisplayPort Alt Mode
- Supports single-output UHD resolutions up to 4K @ 60 Hz (4:4:4) for crystal-clear video
- Power Delivery port supports 20V 5A (100W) power output for charging host device
- USB-A and memory card ports allow connection of flash drives and other peripherals
- Plug-and-play operation with no software required for easy, immediate installation

Applications

- Transmit 4K video from your laptop or PC on 2 connected HDMI displays
- Extend or mirror your desktop image across multiple displays at the same time via MST Mode or SST Mode
- Transfer data between your host computer and a USB-enabled thumb drive or external hard drive
- Charge your notebook or laptop by connecting its wall charger to the USB-C PD Charging port

System Requirements

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

Package Includes

- U442-DOCK8-GG USB-C Dock, Dual Display, Gray
- Owner's manual

port does not support Quick Charge (QC).

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 can be used at the same time. The ports support Secure Digital v3.0 UHS-I (Ultra High Speed) HDR12.

Built-In USB-C Cable Attaches in Either Direction
Unlike traditional USB cables that connect in only one direction, the reversible USB-C male connector plugs into a USB-C or Thunderbolt 3 port in either direction for an instant connection every time.

Ready to Use Right from the Package, So You Can Plug and Play Immediately
The plug-and-play USB-C dock is specifically designed for use with Windows laptops, Chromebooks and other devices equipped with a USB-C or Thunderbolt 3 port. It requires no extra software to be downloaded or installed and no external power. It fits into a purse, backpack or laptop bag for multiport convenience wherever you go.

Specifications

OVERVIEW	
UPC Code	037332261281
Product Type	Docking Station
Device Compatibility	Chromebook; Computer; Laptop; Monitor/HDTV
Technology	Cat5/5e; Cat6; HDMI; USB 3.x
Country/Region	Global
Host Connector	USB C (MALE)
VIDEO	
Video Input	USB C (MALE)
Video Output	HDMI (FEMALE)
Number of Monitors Supported	2
Video Ports	(2) HDMI (FEMALE)
Video Ports Details	HDMI 2.0; HDCP 1.4; HDCP 2.2
Resolutions Supported	3840 x 2160 @60Hz (Single); 3840 x 2160 @30Hz (Dual Extended)
Max Supported Video Resolution	3840 x 2160 @60Hz (Single); 3840 x 2160 @30Hz (Dual Extended)
Recommended Cabling	P568-Series 4K/30 Hz and 4K/60 Hz Video Cables
Extended Mode	Yes
Extended Mode Details	**Extend the Host Computer's Desktop Across Three Connected Displays with MST Mode** The U442-DOCK8-GG supports both SST (Single Stream Transport) and MST (Multi Stream Transport) for transmitting video across multiple displays. Extend your desktop across two connected displays for increased productivity. The following video outputs are supported: **MST Mode:**Single Output: 1x HDMI (4K/60 Hz)Dual Output: 1x HDMI (4K/30 Hz) + 1x HDMI (4K/30 Hz) **Note:** Video output quantity and quality is dictated by the host computer's graphic card and ability to support MST mode. Not all laptops are capable of transmitting video to its primary screen and two connected displays. If two connected displays are desired then the local screen needs to be turned off under the computer's video settings. Mac OS does not support MST mode and only supports SST mode for transmitting mirrored video content to connected displays. To get maximum bandwidth the host should support DSC format.

Mirror Mode	Yes
Mirror Mode Details	**Create Multiple Display Installations with Mirrored Video Content** The U442-DOCK8-GG supports both SST (Single Stream Transport) and MST (Multi Stream Transport) for transmitting video across multiple displays. Video content can be mirrored across two connected displays under SST Mode. The following video outputs are supported: **SST Mode:**Single Output: 1x HDMI (4K/60 Hz)Dual Output: 1x HDMI (4K/60 Hz) + 1x HDMI (4K/60 Hz) **Note:** Video output quantity and quality is dictated by the host computer's graphic card. Not all laptops are capable of transmitting video to its primary screen and two connected displays. If two connected displays are desired then the local screen needs to be turned off under the computer's video settings. Mac OS does not support MST mode and only supports SST mode for transmitting mirrored video content to connected displays. To get maximum bandwidth the host should support DSC format.
Max Supported Color Depth	36-bit Deep Color
HDR Support	No
3D Video Supported	No
Chroma Sub Sampling	4:2:2; 4:4:4
DisplayPort Alt Mode	Yes
DSC Support	Yes
DATA	
Data Ports	(3) USB A (FEMALE)
Data Ports Details	(3) USB-A - USB 3.2 Gen 1 (5 Gbps)
STORAGE	
Card Slots	MICRO SD (FEMALE); SD (FEMALE)
Card Slots Details	Supports Secure Digital v3.0 UHS-I (Ultra High Speed): SDR12 (12.5Mbyte/s), SDR25(25Mbyte/s), SDR50(50Mbyte/s), DDR50(50Mbyte/s), and SDR104(104Mbyte/s)Both card slots can be used simultaneously
INPUT	
Bus Powered	Yes
BATTERY	
Battery Charging (5V/1.5A Port)	Yes
POWER	
Power Source Type	USB
Power Consumption (Watts)	15.00
USB Power Delivery (PD) Charging Support	Yes
USB Power Delivery (PD) Charging Specification	100W; 3.0
CONNECTIONS	
Number of Ports	8
Dock Connectors	(3) USB-A 3.2 Gen 1, USB-C PD Charging, (2)HDMI, MICRO SD, SD
Side A - Connector 1	USB C (MALE)

Side B - Connector 1	(2) HDMI (FEMALE)
Side B - Connector 2	(3) USB A (FEMALE)
Side B - Connector 3	USB C (FEMALE)
Side B - Connector 4	MICRO SD (FEMALE); SD (FEMALE)
Connector Plating	Nickel
Connector Style	Straight
CHARGING	
Number of Charging Ports	4
Total Charging Amps	5
Total Charging Watts	100
Charging Port Type	(3) USB A (FEMALE); USB C (FEMALE)
Charging Ports	USB-A: 5V 1.5A (7.5W) ; USB-C: 85W Power Delivery (PD 3.0)
Charging Ports Details	x1 USB-C PD 3.0 charging port provides up to 100W (20V/5A) to charge the host laptopx1 USB-A port provides 7.5W (5V/1.5A) dedicated to quickly charging mobile devicesx3 USB-A ports share 8W (5V/1.6A) total for charging connected devices
Charging Ports / Amps	1.5A; 1.6A; 5A
Compatible Devices	Chromebook; Laptop; Smartphone; Tablet
PHYSICAL	
Color	Black; Gray
Material of Construction	Aluminum, ABS
Cable Jacket Color	Black
Connector Color	Gray
Cable Jacket Material	TPE
Cable Jacket Rating	VW-1
Cable Outer Diameter (OD)	4.2mm
Cable Length (ft.)	0.4
Cable Length (m)	0.12
Cable Length (in.)	4.72
Cable Length (cm)	12
Shipping Dimensions (hwd / in.)	5.51 x 3.94 x 0.91
Shipping Weight (lbs.)	0.22
Unit Dimensions (hwd / in.)	4.330 x 0.450 x 2.320
Unit Dimensions (hwd / cm)	1.15 x 5.9 x 11
Unit Dimensions (hwd / mm)	11.5 x 59 x 110
Unit Packaging Type	Box

Unit Weight (lbs.)	0.2
Unit Weight (kg)	0.09
ENVIRONMENTAL	
Operating Temperature Range	32° to 113°F (0° to 45°C)
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)	USB-A: 5V/1.5A (7.5W), USB-C: 20V/5A (100W)
FEATURES & SPECIFICATIONS	
Over Current Protection	Y
Quick Charge Compliant	No
USB Hub Ports	Yes
Number of USB Hub Ports	3
USB Specification	USB 3.0 (up to 5 Gbps); USB 3.1 Gen 1 (up to 5 Gbps); USB 3.2 Gen 1 (up to 5 Gbps)
MST Support	Yes
Ethernet Support	No
UASP Support	No
Auto MDIX Support	No
Full Duplex Support	No
Suspend Mode Support	No
Remote Wakeup Support	No
SD Card Specification	SD; Micro SD
Displayport Specification	1.2; 1.4
HDCP Specification	1.4; 2.2
Driver Required	No
STANDARDS & COMPLIANCE	
TAA Compliant Option	N
Product Certifications	ICES (Canada); NOM (Mexico)
Product Compliance	CE (Europe); FCC (USA); REACH; RoHS; UKCA
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty

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