

USB-C Universal Dock, Dual Display - 4K HDMI and DisplayPort, USB 3.2 Gen 1 Hub, GbE, 100W PD Charging

MODEL NUMBER: U442-DOCK24DL2A



Laptop docking station transmits 4K video to 2 displays, connects up to 6 USB peripherals and charges/powers the host device.

Features

USB-C Docking Station Turns Your Laptop into a Multiport Workstation

This professional workspace dock dramatically expands the potential of your MacBook or Windows laptop by adding 12 ports to its USB-C or Thunderbolt 3 port. Not only does the U442-DOCK24DL2A allow you to transmit 4K video to two displays at the same time, but you can also add USB peripherals, connect to a Gigabit Ethernet network, charge your laptop and more.

Transmits 4K Video and Digital Audio to 2 Displays Simultaneously

Two HDMI and two DisplayPort (DP) outputs individually support 4K video resolutions up to 3840 x 2160 at 60 Hz with High Dynamic Range (HDR), 36-bit Deep Color and 4:4:4 chroma subsampling. You can connect two HDMI monitors, two DP monitors or one HDMI and one DP monitor at the same time and transmit 4K @ 60 Hz video to both. This allows you to display the image from the host computer (including M1/M2/M3 MacBooks) on two monitors, extend your host desktop across two monitors with different windows open on each, or combine the desktop and two monitors into one large display as a video wall.

Note: You must download and install the latest OS-specific DisplayLink driver to your host computer for video transmission to properly occur. This is done automatically upon first connection to the host. If a firewall prevents automatic downloading, you can manually download the driver at the Synaptics DisplayLink website at <https://www.synaptics.com/products/displaylink-graphics/downloads>.

USB Hub Ports Connect Keyboards, External Storage and Other Peripherals

One USB-C and five USB-A hub ports accept USB peripherals, including keyboards/mice, hard drives and flash drives, and printers. All six ports support fast USB 3.2 Gen 1 data transfer rates up to 5 Gbps and are backward compatible with USB 2.0 and USB 1.1 devices. One port also supports 1.5A charging for charging mobile phones or tablets.

PD Charging Port Charges Host Device via AC Wall Charger

The USB-C Power Delivery (PD) port supports power output up to 100W, which is more than sufficient for charging and powering the connected source device, such as a MacBook Pro, Windows laptop or Chromebook. Just connect the device's wall charger to both the USB-C PD port and an AC outlet.

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

Highlights

- HDMI and DisplayPort video outputs support 4K @ 60 Hz to enhance productivity
- Universal DisplayLink chipset supports dual monitor desktop extension for Windows, Mac OS and Chrome OS
- 6 USB 3.2 Gen 1 hub ports connect storage and other peripherals at speeds up to 5 Gbps
- Connect to a wired 10/100/1000 Gigabit Ethernet network when no Wi-Fi is available
- USB-C PD 3.0 port supports 100W power output for charging host device

System Requirements

- Source device with USB-C or Thunderbolt 3 port and DisplayLink driver installed (a USB-A host port can be used via a USB-C to USB-A adapter, sold separately)
- Display device(s) with HDMI or DisplayPort input
- Windows, macOS, Linux, Android, Ubuntu or Chrome operating system
- You must download and install the latest OS-specific DisplayLink driver to your host computer for video transmission to properly occur. This is done automatically upon first connection to the host. If a firewall prevents automatic downloading, you can manually download the driver at the Synaptics DisplayLink website at <https://www.synaptics.com/products/displaylink-graphics/downloads>.

Package Includes

- U442-DOCK24DL2A USB-C Universal Dock, Dual Display
- USB-C host cable (M/M), 4 ft. (1.2 m)
- External power supply (Input: 100–240V, 50/60 Hz, 2.5A; Output: 21V 7.1A) with 4 ft. (1.2 m) cord and NEMA 5-15P plug
- Installation Instructions



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10/100/1000 Mbps Ethernet speeds for fast data transfers.

Connects Speakers, Microphone and Other Audio Equipment

The 3.5 mm mini stereo jack is convenient for connecting speakers, headphones 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.

Specifications

OVERVIEW	
UPC Code	037332284983
Product Type	USB-C Docking Station
Device Compatibility	Chromebook; Computer; Headphones; Laptop; Monitor/HDTV; Phone; Printer; Projector
Technology	Cat6; DisplayPort; HDMI; Stereo Audio; Thunderbolt; USB 3.x
Country/Region	North America
Host Connector	USB C (FEMALE)
VIDEO	
Video Input	USB C (FEMALE)
Video Output	HDMI (FEMALE)
Number of Monitors Supported	2
Video Ports	(2) DISPLAYPORT (FEMALE); (2) HDMI (FEMALE)
Video Ports Details	HDCP 1.4; DisplayPort 1.4; HDCP 2.3
Resolutions Supported	Dual HDMI and DisplayPort video outputs support video resolutions up to 3840 x 2160 (4K x 2K) @ 60 Hz to two displays simultaneously.
Supported Resolutions	1280x720 (720p); 1920x1080 (1080p); 3840x2160 (4K)
Max Supported Video Resolution	3840 x 2160 (4K x 2K) @ 60 Hz
Extended Mode	Yes
Extended Mode Details	Extend a desktop across up to two HDMI or DisplayPort monitors Capable of extending a computer's desktop to two connected HDMI or DisplayPort monitors at resolutions up to 4K @ 60 HzCompatible with both MST Mode or SST ModeDisplayLink software allows Mac OS users to extend across two connected displays Note: The actual video resolution is dependent on the video specifications of the host computer, video cables and displays utilized
Mirror Mode	Yes
Mirror Mode Details	Mirror video content from a Windows, Mac OS, Chrome or other computer to two HDMI or DisplayPort monitors Capable of mirroring video content from a host laptop to two connected HDMI or DisplayPort monitors at resolutions up to 4K @ 60 HzCompatible with both MST Mode or SST ModeDisplayLink software allows Mac OS users to extend across two connected displays Note: The actual video resolution is dependent on the video specifications of the host computer, video cables and displays utilized
Max Supported Color Depth	36-bit Deep Color
HDR Support	Yes



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3D Video Supported	Yes
Chroma Sub Sampling	4:2:2; 4:4:0; 4:4:4
EDID Support	Yes
Signal Transmission	Unidirectional
Bandwidth	48 Gbps
DisplayPort Alt Mode	Yes
DSC Support	Yes
AUDIO	
Audio Ports	(1) 3.5MM (FEMALE)
Audio Ports Details	Supports CTIADAC supports 48KHz Sample Rate, 16bitADC input supports 48KHz Sample Rate, 16bitNote: The 3.5mm headset jack does not support headset control functions from a connected headset
DATA	
Data Ports	(5) USB A (FEMALE); (1) USB C (FEMALE)
Data Ports Details	(5) USB-A - USB 3.2 Gen 1 (5 Gbps); (1) USB-C - USB 3.2 Gen 1 (5 Gbps)
NETWORK	
Network Ports	RJ45 (FEMALE)
Network Ports Details	10 Mbps; 100 Mbps (Fast Ethernet); 1 Gbps (Gigabit); 2.5 Gbps
INPUT	
AC Power Adapter Plug(s)	NEMA 5-15P North America
AC Power Adapter Input Specs (V / Hz / A)	100-240V, 50/60 hz, 2.5A
AC Power Adapter Output Specs (V / A)	21V/7.1A
AC Power Adapter Cord Length (ft.)	3.94
AC Power Adapter Cord Length (m)	1.2
Voltage Compatibility (VAC)	100; 110; 120
Input Plug Type	IEC-320-C6
Bus Powered	No
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
DC Barrel Plug	OD: 5.5 x 2.1 x 11mm, Positive Pin, Negative Sleeve

USB Power Delivery (PD) Charging Support	Yes
USB Power Delivery (PD) Charging Specification	100W; 3.0
CONNECTIONS	
Number of Ports	13
Side A - Connector 1	(1) USB C (FEMALE)
Side A - Connector 2	(2) HDMI (FEMALE)
Side A - Connector 3	(2) DISPLAYPORT (FEMALE)
Side A - Connector 4	(1) RJ45 (FEMALE)
Side B - Connector 1	(1) USB C (FEMALE)
Side B - Connector 2	(5) USB A (FEMALE)
Side B - Connector 3	(1) 3.5MM (FEMALE)
Connector Plating	Nickel
Connector Style	Straight
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	Power Button: (1x) White; RJ45 Port: (1x) Orange (Network connection established), (1x) Green (Transmitting data)
CHARGING	
Number of Charging Ports	7
Total Charging Watts	134
Charging Port Type	(5) USB A (FEMALE); (2) USB C (FEMALE)
Charging Ports	(4) USB-A: 0.9A; (1) USB-A: 5V 1.5A (7.5W); (1) USB-C: 100W (20V 5A) Power Delivery (PD 2.0); (1) USB-C: 5V 1.5A (7.5W)
Charging Ports Details	(1) USB-C host port supports up to 134 Watts of total charging capacity, with 38 Watts dedicated to the unit itself and 96 Watts allocated for charging a connected host device (1) USB-A port supports 5V/1.5A (7.5W) charging to a connected smartphone or other device (4) USB-A ports support 900mA (0.9A) maximum for allowing connected devices to function (1) USB-C port supports 5V/1.5A (7.5W) charging to a connected smartphone or other device * All USB ports support short-circuit and over-current protections
Compatible Devices	Chromebook; Laptop
PHYSICAL	
Color	Black
Material of Construction	ABS + PVC
Cable Jacket Color	Black
Connector Color	Black
Cable Jacket Material	PVC
Cable Outer Diameter (OD)	5.0mm
Wire Gauge (AWG)	24+34



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Cable Length (ft.)	3.3
Cable Length (m)	1.01
Cable Length (in.)	39.4
Cable Length (cm)	100
Total Number of Ports	13
Shipping Dimensions (hwd / in.)	3.23 x 11.88 x 5.11
Shipping Dimensions (hwd / cm)	8.20 x 30.18 x 12.98
Shipping Weight (lbs.)	2.45
Shipping Weight (kg)	1.11
Unit Dimensions (hwd / in.)	0.870 x 8.860 x 3.350
Unit Dimensions (hwd / cm)	2.2 x 22.5 x 8.5
Unit Dimensions (hwd / mm)	22 x 225 x 85
Unit Packaging Type	Box
Unit Weight (lbs.)	0.8
Unit Weight (kg)	0.36
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	50° to 158°F (-10° to 70°C)
Operating Humidity Range	10% to 85% RH (No Condensation)
Storage Humidity Range	5% to 90% RH (No Condensation)
Power Provided to Connected Device(s)	100W Host PD Charging, (2x) 1.5A USB ports, (4x) 0.9A USB ports
COMMUNICATIONS	
Network Compatibility	10 Mbps; 100 Mbps (Fast Ethernet); 1 Gbps (Gigabit); 2.5 Gbps
EDID Compatible	Yes
FEATURES & SPECIFICATIONS	
Quick Charge Compliant	No
USB Hub Ports	Yes
Number of USB Hub Ports	6
USB Specification	USB 3.2 Gen 1 (up to 5 Gbps)
MST Support	Yes
Multi-Resolution Support	Yes
Network Speed Support	10 Mbps; 100 Mbps (Fast Ethernet); 1 Gbps (Gigabit); 2.5 Gbps
Antibacterial	No
Ethernet Support	Yes



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Suspend Mode Support	Yes
HDCP Specification	1.4; 2.3
Driver Required	Yes
Recommended Category Cable	Cat6
STANDARDS & COMPLIANCE	
Product Certifications	CAN/CSA-C22.2 No. 62368-1 (Canada); UL 62368-1
Product Compliance	FCC (USA); RoHS; WEEE
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty

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