

ALOGIC DV4 Universal Quad Display Docking Station



ALOGIC DV4 Universal Quad Display Docking Station User Manual

[Home](#) » [ALOGIC](#) » ALOGIC DV4 Universal Quad Display Docking Station User Manual 

Contents

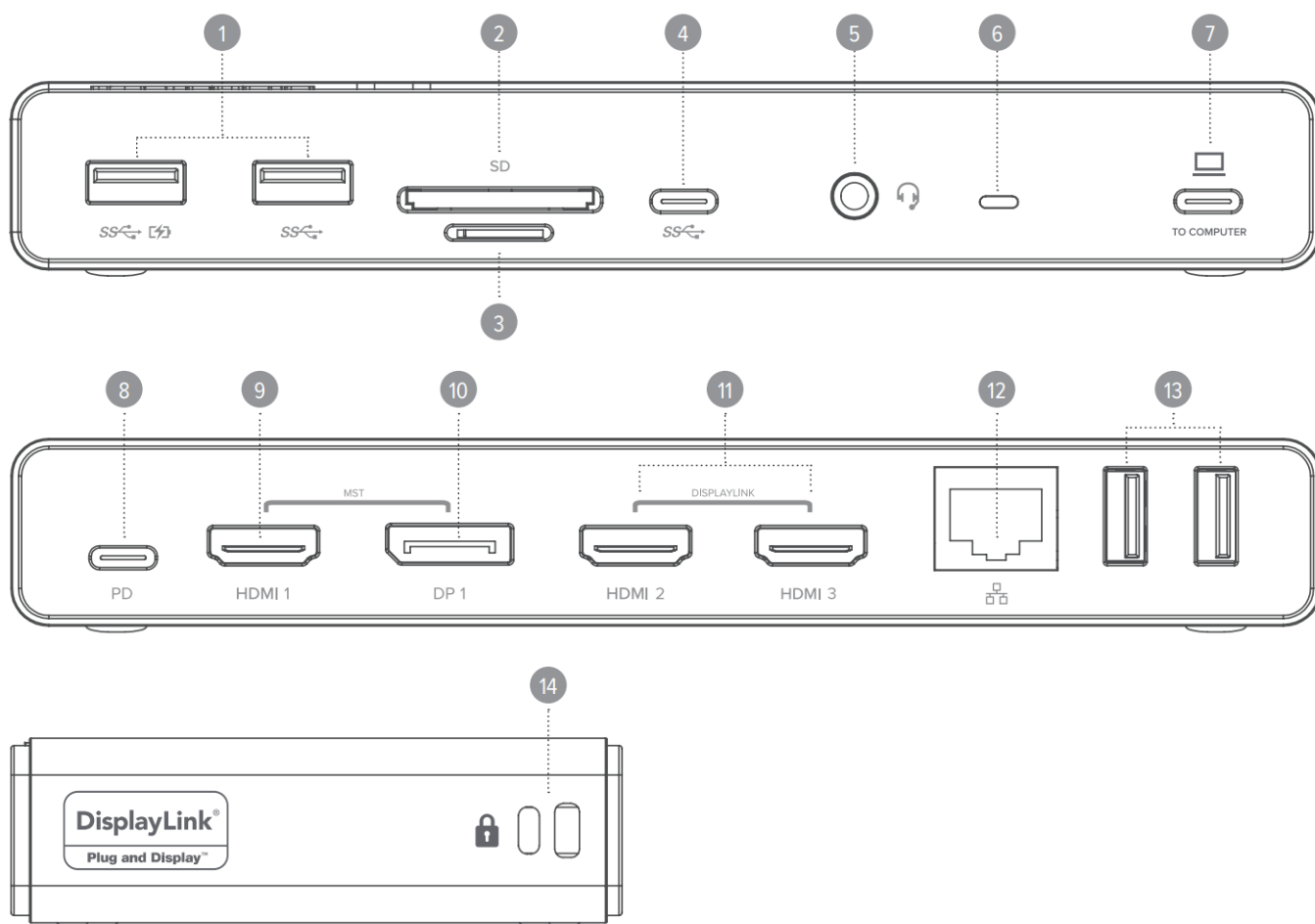
- [1 ALOGIC DV4 Universal Quad Display Docking Station](#)
- [2 Product Overview](#)
- [3 Package Contents](#)
- [4 Instructions](#)
- [5 Installing the Drivers](#)
- [6 Connecting a Power Adapter \(Optional\)](#)
- [7 Resolution Support Table](#)
- [8 USB Port Video Support](#)
- [9 Troubleshooting](#)
- [10 Specifications](#)
- [11 FCC Compliance Statement](#)
- [12 Documents / Resources](#)
 - [12.1 References](#)



ALOGIC DV4 Universal Quad Display Docking Station



Product Overview

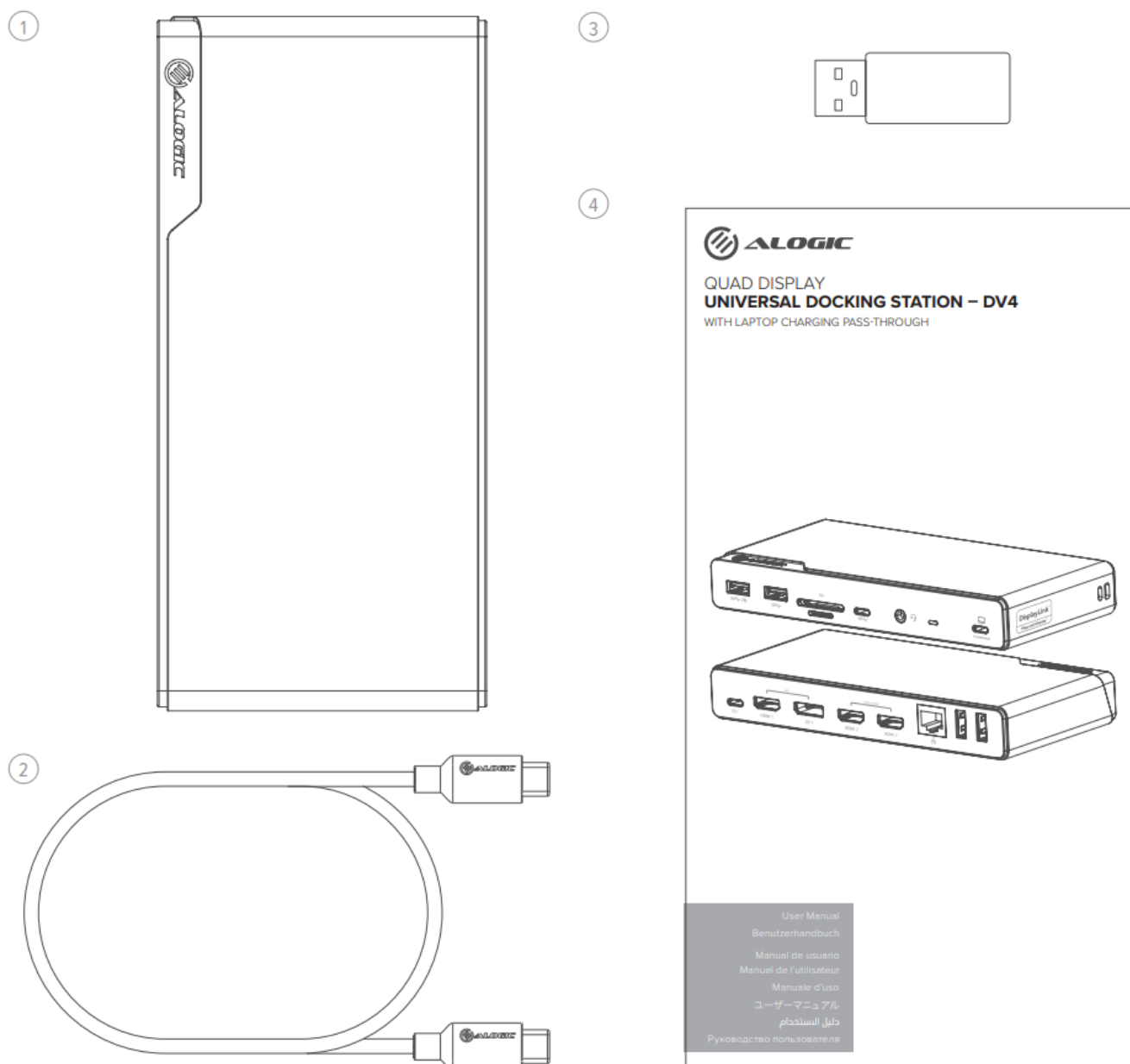


1. USB-A 3.2 Port – 5 Gbps
2. SD Card Slot
3. microSD Card Slot
4. USB-C Port – 5 Gbps
5. 3.5mm Combo Jack
6. LED Indicator

7. USB-C with Power Delivery (to Computer)
8. USB-C PD input (100W/20V/5A)
9. HDMI Video (to Monitor)
10. DisplayPort Video (to Monitor)
11. HDMI Video (to Monitor)
12. Gigabit Ethernet Port
13. USB-A 2.0 Port – 480Mbps
14. Security Lock Slots

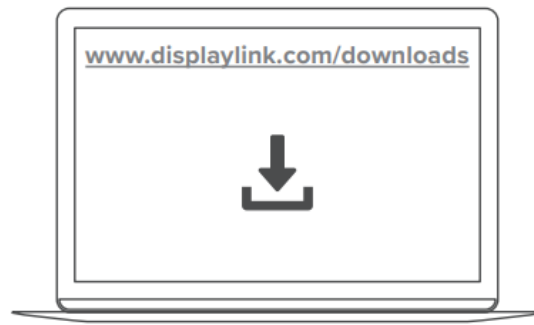
QUAD DISPLAY

UNIVERSAL DOCKING STATION – DV4 WITH LAPTOP CHARGING PASS-THROUGH

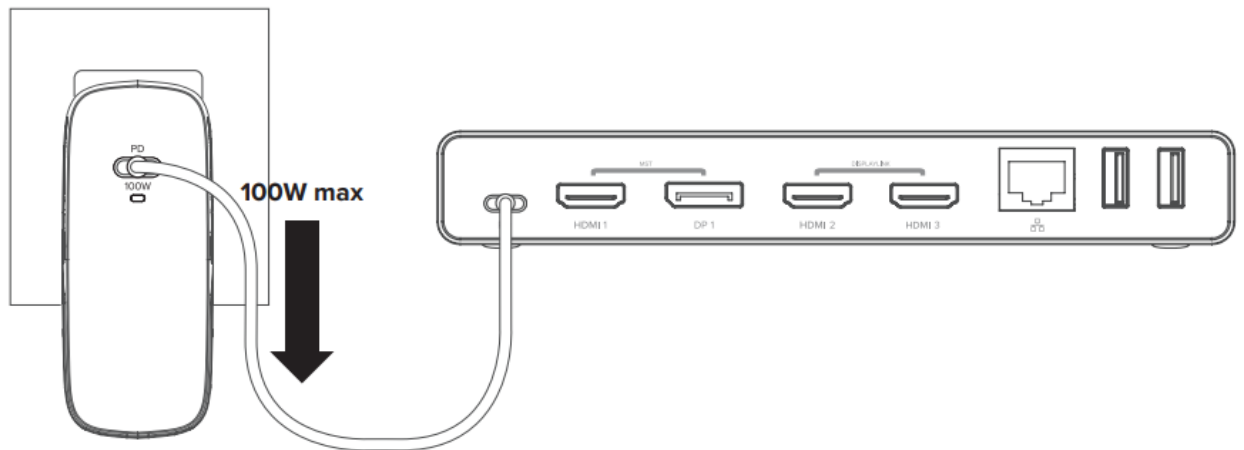


Package Contents

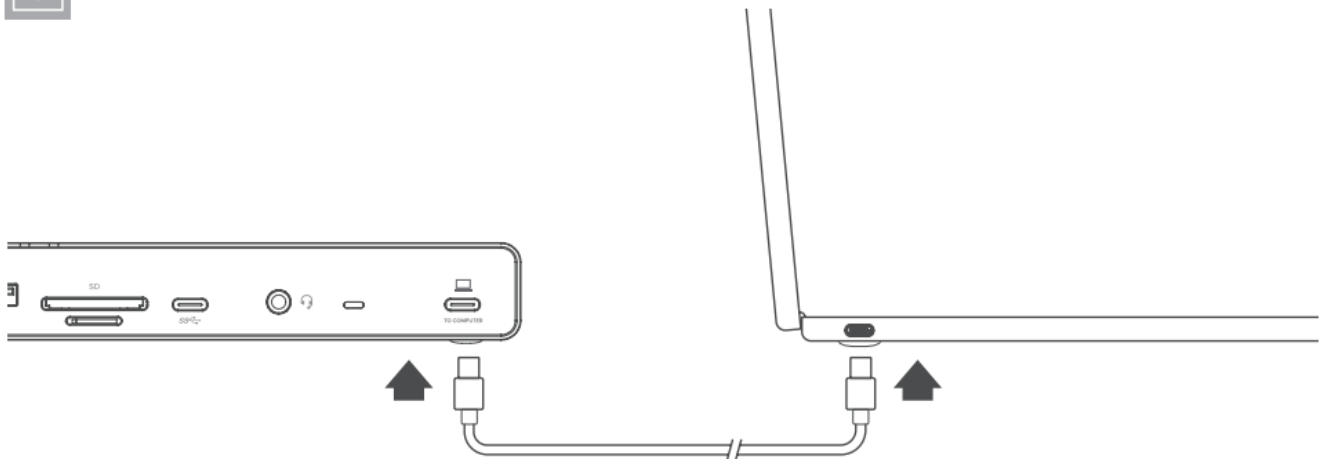
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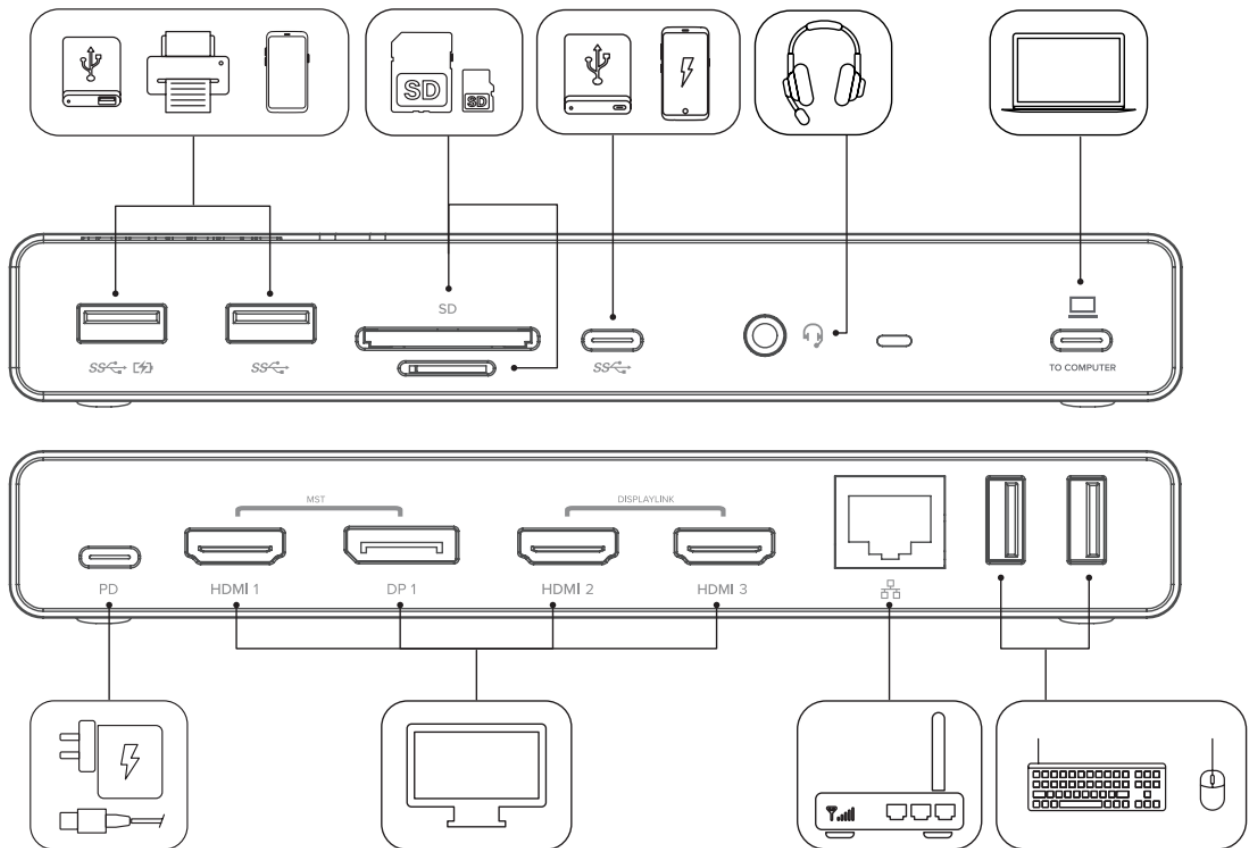


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3





1. DV4 Docking Station
2. USB-C Cable
3. USB-C to USB-A Adapter
4. User Manual

Instructions

Thank you for purchasing this quality ALOGIC product. Please read these instructions for help with setting up the device and keep them handy for future reference. Refer to the accompanying images on page 5 for additional information.

Installing the Drivers

The dock uses DisplayLink technology to provide universal multi-monitor support for a wide range of computers and operating systems. The latest DisplayLink software should be installed following these steps:

- Download the DisplayLink driver for your operating system from www.displaylink.com/downloads
- Run the installer once downloaded and follow the prompts
- Restart your machine
- Additional assistance for installing the DisplayLink software can be found here: <https://bit.ly/3guFvg7>

Connecting a Power Adapter (Optional)

The dock can operate using power from the computer USB port that it is connected to or from an external USB Power Delivery (PD) power adapter (not included). Connecting a power adapter is recommended to ensure that the dock receives enough power to power all accessories that may be connected. When the dock is powered by

the USB port on the computer it can only supply as much power to any connected devices as it receives from the computer. Connecting high-powered accessories or trying to charge mobile devices from the dock without a power adapter connected may cause the dock to shut down if the power available from the computer's USB port is exceeded.

When a USB PD power adapter is connected to the USB-C PD input the dock will accept up to 100W of power; securing 15W to power the dock and making any remaining power available to charge the computer. The USB PD power adapter chosen for use with the dock should be rated at least as high as the wattage of the laptop's original charger plus 15W, up to a maximum of 100W. Using a 100W PD power adapter with the dock is recommended and will provide adequate power to charge most laptops (85W).

Note that the computer must support USB PD charging for passthrough charging to work and USB PD charging will only work when the dock is connected to a USB-C port on the computer. USB PD charging does not work with USB-A ports (such as when the USB-A adapter is used to connect the dock to the computer). Some high-performance laptops require more power than the 85W maximum that this dock can provide; the original laptop charger for these computers should be connected directly to the laptop. There is no risk of damage to the laptop if separate

USB PD power adapters are connected to the dock and the computer at the same time. Not every USB-C port on notebook computers supports charging. If your computer doesn't start charging when a power supply is connected to the device and the device is connected to your computer, try connecting the dock to a different USB-C port on your machine or consult the computer's manual to determine which USB-C ports accept power from USB PD power sources.

Connecting the Dock to the Laptop

Connect the included USB cable between the USB-C port labelled TO COMPUTER on the front of the dock and your computer. Connecting the dock to a USB-C port on the computer is recommended to ensure that all video outputs can be used. If a USB-C port is not available on the computer, the dock may be connected to a USB-A port using the USB-C to USB-A adapter supplied with the dock. When the dock is connected to a USB-A port on the computer the DisplayPort 1 and HDMI 1 video outputs will not be available for use.

The dock will be detected and configured by your computer automatically when connected. This process will take a few seconds the first time you plug the device into your laptop. You may receive a notification that it has been installed and is ready for use.

Connecting Devices to the Dock

Connect external devices such as monitors, USB devices, Ethernet network cable and headphone/mic to the dock, as necessary. Refer to Page 2 and 3 of these instructions for an outline of the available ports and their functions.

Resolution Support Table

The quantity and resolutions of video outputs supported depend on the specifications and available ports of the connected computer. The table below provides the maximum output resolutions available for Windows computers based on the version of DisplayPort Alternate mode supported on their USB-C ports.

Port	Maximum Resolution		
DisplayPort 1 + HDMI 1 (Requires USB-C connection)	DP Alt Mode version of computer USB-C port	Single Display (DisplayPort 1 or HDMI 1)	Dual Display or MST (DP 1 and HDMI 1 in use)
	DP1.4 (HBR3) with DSC	3840x2160 60Hz	2x 3840x2160 60Hz
	DP1.4 (HBR3) without DSC	3840x2160 60Hz	2x 3840x2160 30Hz
	DP1.2 (HBR2)	3840x2160 30Hz	2x 1920x1080P 60Hz
HDMI 2 + 3 (Requires DisplayLink drivers installed)	2x 1920x1080 60Hz (all computers)		

When connected to Apple Mac computers the DisplayPort 1 and HDMI 1 outputs will be mirrored. When used with a Mac this docking station is suitable for use with up to three monitors but cannot be used for multiple monitor extended desktop configurations where four independent monitors are required.

USB Port Video Support

The second and third HDMI 1) outputs on the docking station use DisplayLink technology and will work when the dock is connected to any USB port on a computer. If using the first HDMI ⑨ or DisplayPort 10) output on the docking station to connect to a monitor, the dock must be connected to the computer using USB-C. It is also important to understand that not all USB-C ports on computers support video output using the DisplayPort Alternate Mode standard, used to send video from the computer to these outputs.

The device can be used with USB-C ports which do not support video output as well as USB-A ports (using the included adapter) however you will not be able to connect the first HDMI (9) or DisplayPort 40 output to an external monitor and show video. HDMI 2 and HDMI 3(1) outputs and the other ports (Ethernet, audio and USB ports) will be functional.

Troubleshooting

Symptom	Solution
Video doesn't show on external display	<ul style="list-style-type: none"> • Ensure that the dock has power – the power indicator is illuminated when the dock is on • Check that the HDMI or DisplayPort cable is connected securely between the monitor and device and the device is securely connected to the computer • Check that the external monitor is turned on and set to the correct input • Ensure the latest DisplayLink drivers have been installed from www.displaylink.com/downloads • Check that your computer is detecting the external display and is set to show video on it • If the display is connected to the first HDMI ⑨ or DisplayPort 10) output, check that the USB-C port on the computer that you have connected the device to supports video output using DisplayPort Alternate Mode • If the computer doesn't detect the external monitor or output video after checking the above, restart your computer and attempt again
Video drops out intermittently	<ul style="list-style-type: none"> • Check that the display cable is connected securely between the display and device • Check that the device is securely connected to the computer • Check that the display cable being used to connect to the display is of good quality and isn't damaged
Computer doesn't start charging when the device is connected	<ul style="list-style-type: none"> • Ensure that the dock is connected to a USB-C port on the computer – USB-A ports do not support USB PD Charging • Ensure that the power supply is connected at the wall and turned on, and the USB-C cable supplying power is securely connected to the dock • Verify that the USB-C port on the computer supports charging from a USB PD power source

Specifications

Model	DUCDV4	
Dimensions	27 x 82 x 172mm (H x D x W)	
Weight	535g	
Output	3x HDMI (1x 2.0 + 2x 1.4b) 1x DisplayPort (DP1.4) 1x USB-C 3.2 Gen 1 (5Gps) 2x USB-A 3.2 Gen 1 (5Gps) 2x USB-A 2.0 (rear)	1x 3.5mm Combo Audio / Microphone Jack 1x RJ45 Ethernet (1Gbps) 1x SD Card Reader (SD 2.5) 1x Micro SD Card Reader (SD 2.5)
Input	1 x USB-C Port for laptop connection (the included USB-C to A adapter can be used for older computers) 1 x USB-C USB PD power input for connection of optional power adapter (not included)	
Power	<p>Dock can be powered from the host computer or by connecting a USB-C Power Delivery (USB PD) power adapter up to 100W (not included).</p> <p>The dock will accept up to 100W of power when a suitable USB PD power supply is connected; 15W is reserved for use by the dock and the remaining amount will be made available to charge the computer (up to 85W, dependent on the size of the power supply).</p> <p>When used without a power adapter connected, power available to the dock and connected peripherals will be limited to the amount of power supplied by the USB port on the host computer. It is recommended that a power adapter be connected to the dock if used to charge mobile devices or if used with high powered peripherals such as portable hard drives to ensure stable operation.</p>	
Max Resolution	<p>Up to 2x 4K UHD and 2x 1080p Full HD independent video outputs dependent on the capabilities of the connected computer.</p> <p>macOS computers support up to 3x displays (1x 4K UHD and 2x 1080p).</p> <p>USB-A computers support up to 2x 1080p displays.</p> <p>*See resolution support table on previous page for maximum outputs available with computers of differing capabilities</p>	
Audio Support	Analog audio line/microphone in/out	
Device Compatibility	Windows, macOS, ChromeOS Computers	
Compliance	FCC, CE, RoHS	
Warranty	2 Years	

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:




- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

EU Declaration of Conformity

Hereby, ALOGIC Corporation declares that this product complies with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address by clicking on the Compliance Documentation link: www.alogic.co

Documents / Resources

<div><p>QUAD DISPLAY UNIVERSAL DOCKING STATION - DV4 WITH 4 UNIVERSAL DOCKING STATIONS</p></div> <div></div> <div></div>	<div><h1>ALOGIC DV4 Universal Quad Display Docking Station [pdf] User Manual</h1><p>DV4 Universal Quad Display Docking Station, DV4, Universal Quad Display Docking Station, Q uad Display Docking Station, Display Docking Station, Docking Station, Station</p></div>
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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