VT4500 Dual Display 4K USB 3.0 / USB-C Docking Station with Power Delivery

SKU: 901250
MSRP: $259.99

The VisionTek VT4500 Dual Display 4K Docking Station with Power Delivery allows you to easily connect your Windows™, Mac™ or Chrome™ laptop to dual-4K displays and up to 8 accessories and peripherals through a single USB connection.

- Supports 2 Displays (HDMI or DP) via Displaylink
- USB-C or USB-A connection to host system
- 2x HDMI, 2x DP, 4x USB Ports, 2x USB-C, Audio, Ethernet, Kensington Lock
- 60W of Power Delivery via USB-C, USB-A does not provide power
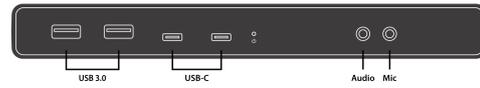
VT4500 - Docking Station

Key Features:

- Universal Compatibility for USB 3.0 & Type-C
- Compatible with M1 Mac
- Supports up to 2 external displays
- Up to 60W USB-C Power Delivery
- 4 x USB 3.0 Ports 5Gbps
- 2 x USB-C Ports 5Gbps
- 2 x DisplayPort 1.2
- 2 x HDMI 2.0
- RJ45 Gigabit Ethernet Port
- Enterprise Features
    - o Wake on LAN
    - o MAC Address Pass-Through
    - o PXE Boot

This high-quality dock is a single-cable solution that enables you to take full advantage of up to two additional 4K displays, 4 USB-A devices, 2 USB-C devices including full sized keyboard and mouse, external storage and mobile devices for charging and data transfer as well as up to 60W of Power Delivery.
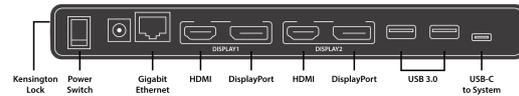
VisionTek®

Front Ports:

- 2 x USB 3.0 Ports
- 2 x USB-C 3.1 Gen1 Ports
- 1 x 3.5mm Audio Jack
- 1 x 3.5mm Microphone Jack
- Power Indicator Light - Blue LED When Powered On

USB 3.0   USB-C   Audio Mic

Back Ports:

- Power Switch
- DC 20V/5A Power Supply Port
- Gigabit Ethernet Port
- 2 x HDMI Ports
- 2 x DisplayPort Ports
- 2 x USB 3.0 Ports
- 1 x USB-C to System Port

Kensington Power   Gigabit   HDMI   DisplayPort   HDMI   DisplayPort   USB 3.0   USB-C
Lock   Switch   Ethernet   to System

What's In The Box:

- VT4500 Dock
- 100W - DC 20V/5A Certified Power Adapter
- USB-C 3.0 to USB-C 3.0 Cable
- USB-A 3.0 to USB-C 3.0 Cable
- Software Installation CD
- User Manual

* DisplayLink Drivers required for proper functionality.
Download the latest drivers from: DisplayLink.com

Single Display Support:

DisplayPort: Resolutions up to 4096 x 2160 @ 60Hz (4K)
HDMI: Resolutions up to 4096 x 2160 @ 60Hz (4K)
Dual DisplayPort: Resolutions up to 5120 x 2880 @ 60Hz (5K)

Single Display Support:

DisplayPort: Resolutions up to 4096 x 2160 @ 60Hz (4K)
HDMI: Resolutions up to 4096 x 2160 @ 60Hz (4K)
Dual DisplayPort: Resolutions up to 5120 x 2880 @ 60Hz (5K)

Dual Display Support:

DisplayPort + DisplayPort: Resolutions up to 4096 x 2160 @ 60Hz (4K)
HDMI + HDMI: Resolutions up to 4096 x 2160 @ 60Hz (4K)
DisplayPort + HDMI: Resolutions up to 4096 x 2160 @ 60Hz (4K)

*Windows systems support up to two external displays extended or cloned

Table header 0	1 Display	1 Display

Display Connection	DP or HDMI	DP + DP
Windows System	4096 x 2160 @ 60Hz	5120 x 2880 @ 60Hz
macOS System	4096 x 2160 @ 60Hz	5120 x 2880 @ 60Hz
Windows 10 Duplicate	Yes	Yes
Windows 10 Extended	Yes	Yes
macOS Duplicate	Yes	Yes
macOS Extended	Yes	Yes

*M1 Mac systems support up to two external displays extended or cloned with the latest drivers

Technical Specifications

Part

901250

Dock Connection

USB-C
USB 3.0

Display Technology

DisplayLink

Power Adapter

100W - DC 20V/5A

Power Delivery

Up to 60W

Displays Supported

2

Maximum Resolution Supported

2 x 4K @ 60Hz

Video Interfaces

(2) DP 1.2
(2) HDMI 2.0

Ports

(4) USB-A 3.0
(2) USB-C 3.1 Gen1
(1) 3.5mm Audio Port
(1) 3.5mm Microphone Port
(1) RJ45 Gigabit Ethernet

Cable Length

1.0m - USB-C
1.0m - USB-C - USB-A

System Requirements

Operating Systems:

Windows 10
Window 8.1
Windows 7
macOS 10.x and later
Chrome

Dock to System Connection

USB 3.0 Type A
USB-C 3.1
Thunderbolt™ 3

Warranty

Warranty:

3 Year Limited

Product must be registered within 30 days of purchase to be covered by the full 3-Year Warranty period*. Products not registered within 30 days of purchase will default to our 1-Year Warranty period.

You may register your product here: www.visiontek.com/support/warranty-registration
For additional warranty information, please see our Warranty Page: www.visiontek.com/support/warranty-information

Environmental

Operating Temperature:

0 to 40° C (32 to 104° F)

Storage Temperature:

-10 to 70° C (-14 to 158° F)

Relative Humidity:

10% to 90% non-condensing - Operational / Storage

Dimensions & Weights

Product Information

Length: 8.75" (223mm)

Depth: 3.32" (85mm)

Height: 1.13" (29mm)

Weight: 12.4oz (351g)

Color: Black ABS

Packaging Information

Packaging Style: Retail Box

Length: 10.5" (267mm)

Depth: 5.32" (135mm)

Height: 4.07" (104mm)

Weight: 2lbs 14.1oz (1307g)

Support

Drivers
Download the latest drivers from: DisplayLink.com

User Manual

VT4000 Series Manual (Size: 508 KB)

Spec Sheet

Please Wait...

FAQ

Why isn't my laptop receiving power from the docking station?
1) Power delivery is only available when connected via USB-C and the VT4500 provides a maximum of 60W of power delivery. Laptops must support Power Delivery over USB-C. Please check the computer manufacturer's power supply recommended wattage and compatibility requirements.

2) The VT4500 will not provide power delivery if attaching to a system via USB-A 3.0. Additionally, the computer must support Power Delivery over USB-C.

Why do I get a warning message on boot saying, "You have attached an undersized power adapter to your system..."?
Some laptops require additional power beyond the 60W the VT4500 delivers. Your system will still charge at a lower rate, but the battery may not charge as fast, or it might drain if you are utilizing more power than 60W. We recommend connecting your laptop to the original power supply if your system requires more than 65W to operate.

My VT4500 came with two types of USB-C cables, do I need to use both?
No, the dock will only require the use of a single cable to the laptop to function. Power Delivery features are not available if connected to the laptop via the USB-A Cable.

How do I change the arrangement of my displays?
The display arrangement can be adjusted in your operating system's Display Settings.

Can I set the number the monitor is identified as?
Windows will preset identifiers to the attached displays. If they match the physical orientation this identifier does not interfere with the arrangement.

Can I attached my displays to the outputs directly next to each other?
Although the VT4500 has 4x display outputs, only 2 displays are supported. Each display output from the dock is clearly marked, please pick one display from each group.

My displays are not working while connected to the VT4500.
Please install the latest DisplayLink drivers from this link: https://www.displaylink.com/downloads. Make sure all cables are connected to the Dock and that the dock is powered on. Ensure the displays in the Display Settings arrangement are not set to Disconnect by default.

I installed drivers on my Mac system and there is still no display.
Please follow the DisplayLink instructions for adjusting security preferences on MacOS here: https://support.displaylink.com/knowledgebase/articles/1188004-macos-10-13-10-14-and-10-15-video-functionality

How do I change the arrangement of my displays?
The display arrangement can be adjusted in your operating system's Display Settings.

Can I change the number on the monitor when I ask Windows to Identify Displays?
Windows will preset identifiers to the attached displays. If they match the physical orientation this identifier does not interfere with the arrangement.

How can I use my Windows laptop with the lid closed and connected to the docking station?
Yes. In the control panel Settings go to Power and Sleep Settings > Additional Power Settings > Choose what closing the lid does > Do Nothing (On battery and/or Plugged in)

How can I use my macOS laptop with the lid closed and connected to the docking station?
Go to System Preferences > Energy Saver > Slider set to Never

How much power delivery can the VT4500 docking station provide?
The VT4500 docking station can provide up to 60W of power delivery via USB-C.

Why isn't my laptop receiving power from the docking station?
The VT4500 can only provide up to 60W of power delivery. Check the laptop power supply recommended wattage to see what power your system requires.

What is the difference between Power Delivery and Power Passthrough?
Power Delivery implies the docking station is both powered and providing power to the attached laptop while Power Passthrough implies the docking station does not require a power supply to operate but can pass through power from a third-party power supply.

What drivers are required for the VT4500?
The VT4500 requires DisplayLink drivers to operate. The latest DisplayLink drivers can be found at: https://www.displaylink.com/downloads

What Operating Systems is the Dock compatible with?
Windows 10, Windows 8.1, Windows 7, macOS

Can the VT4500 connect to a laptop via USB-A 3.0?
Yes, included with the VT4500 is a USB-C to USB-A cable which can be used if the laptop does not feature USB-C.

Can a display adapter be used with the VT4500?
Yes, however, please use an active adapter when making signal type translations.

What laptops is the VT4500 compatible with?
The VT4500 is compatible with any systems featuring USB-C or USB-A 3.0 including Windows PC, MAC systems powered by Intel or M1 Chips, Chromebooks and Linux systems.

Is this 4K docking station compatible with non-4K displays?
Yes, this docking station will support resolutions below 4K including 1080p. The Dock will automatically detect the resolution and adjust output to the correct resolution.

Why isn't my USB headset working when connected to the dock?
Connect your USB headsets to one of the front USB ports for best app compatibility.

Does the VT4500 support DisplayPort MST daisy-chain connections?
No, the VT4500 does not support this DisplayPort feature.

For California Residents Only:
WARNING: Cancer and Reproductive harm. For more information, go to www.p65warnings.ca.gov

* Please, Note that Proposition 65 may be best defined as a "Right To Know" law in California and Prop 65 warning labels are not an indication that a product is violating safety standards or regulations. The Prop 65 warning label does not mean our products inevitably cause cancer or reproductive harm. We do not consider our products harmful when used as intended. However, it is a necessary precaution to provide the warning because of this California law.