VT2900 USB-C Dual System KVM Docking Station with 100W Power Delivery

SKU: 901532

The VT2900 Dual System Dock allows you to switch all connected ports and monitors between two systems with the simple press of a button. Balancing professional tasks with personal work can get tedious when switching your peripherals back and forth between work laptops and your home system.

- Supports up to 2 Displays via DP Alt Mode
- USB-C connection to host system
- 1x DP, 1x HDMI, 3x USB-A 5Gbps Ports, 1x USB-C 5Gbps Port, Audio, Ethernet, Kensington Lock
- 100W Power Delivery to PC2 from included Power Supply
- Up to 100W Power Delivery to PC1 from additional USB-C Power Adapter (Not Included)

VT2900 - Docking Station

Key Features:

- Compatible with USB-C systems via DP Alt Mode
- Compatible with M1 Mac
- Supports KVM switching between 2 systems
- Supports up to 2 external displays
- Up to 100W USB-C Power Delivery to each system*
- 3 x USB-A 5Gbps Ports
- 2 x USB-C 5Gbps Ports
- 1 x DisplayPort 1.4
- 1 x HDMI 2.0
- RJ45 Gigabit Ethernet Port
- Enterprise Features
    o Wake on LAN
    o MAC Address Pass-Through
    o PXE Boot

*100W USB-C Power delivery to PC2 with included power adapter, for USB-C Power Delivery to PC1 additional USB-C Power Adapter required.

This high-quality dock is a single-cable solution that enables you to easily connect and switch displays and peripherals between 2 systems. Take full advantage of up to two additional 4K displays, 3 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 100W of Power Delivery.
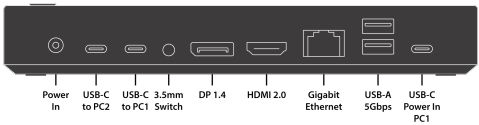
Front Ports:

- 1 x 3.5mm Mic/Audio Combo Jack
- 2 x USB-C 5Gbps BC 1.2 Ports
- 1 x USB-A 5Gbps BC 1.2 Port
- PC1 Indicator LED
- PC2 Indicator LED
- Power / Switch Button

Back Ports:

- DC Power Supply In Port
- PC2 USB-C Upstream Port
- PC1 USB-C Upstream Port
- 1 x 3.5mm Switching Port
- 1 x DisplayPort 1.4
- 1 x HDMI 2.0
- Gigabit Ethernet
- 2 x USB-A 5Gbps
- USB-C PD Port PC-1

What's In The Box:

- VT2900 USB-C KVM Dock
- 130W - DC 24V/5.41A Certified Power Adapter
- 2 x USB-C to USB-C Cables
- 3.5mm Switch
- User Manual

* Optional USB-C Power Adapter for PC1 sold separately

Single Display Support:

DisplayPort: Resolutions up to 3840 x 2160 @ 60Hz (4K)
HDMI: Resolutions up to 3840 x 2160 @ 60Hz (4K)

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Dual Display Support:

DisplayPort + HDMI: Resolutions up to 3840 x 2160 @ 30Hz (4K)

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

	1 Display	2 Displays
Display Connection	DP or HDMI	DP + HDMI

Host System DP 1.2 HBR2 MST	3840 x 2160 @ 30Hz 2560 x 1440 @ 60Hz 1920 x 1080 @ 60Hz	2560 x 1440 @ 60Hz 1920 x 1080 @ 60Hz
Host System DP 1.4 HBR3 MST	3840 x 2160 @ 60Hz 2560 x 1440 @ 60Hz 1920 x 1080 @ 60Hz	3840 x 2160 @ 30Hz 2560 x 1440 @ 60Hz 1920 x 1080 @ 60Hz
macOS (Intel, M1, M2) SST	3840 x 2160 @ 60Hz 2560 x 1440 @ 60Hz 1920 x 1080 @ 60Hz	**1 Extended + 1 Cloned** 3840 x 2160 @ 60Hz 2560 x 1440 @ 60Hz 1920 x 1080 @ 60Hz

*DP 1.4 host system must have dedicated graphics to support 2 x 4K @ 30Hz

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Technical Specifications

Part #

901532

Dock Connection

USB-C

Display Technology

USB-C DP Alt Mode

Power Adapter

130W - DC 24V/5.41A

Power Delivery

Up to 100W

Displays Supported

2

Maximum Resolution Supported

2 x 4K @ 60Hz

Video Interfaces

(1) DP 1.4
(1) HDMI 2.0

Ports

(3) USB-A 5Gbps (Front Port BC 1.2 12W Charging)
(2) USB-C 5Gbps (Front Ports BC 1.2 12W Charging)
(1) 3.5mm Mic / Audio Combo
(1) 3.5mm Switch Port
(1) RJ45 Gigabit Ethernet

Cable Length

1.0m - USB-C

System Requirements

Operating Systems:

Windows 11
Windows 10
Window 8.1
Windows 7
macOS 10.12 and later

System Support Requirment

USB-C DP Alt Mode for video output
USB-C Power Delivery for Power Pass-through
MST compatibility for multi-display support

Dock to System Connection

USB-C
Thunderbolt™ 3
Thunderbolt™ 4

Warranty

Warranty:

2 Year Limited

Product must be registered within 30 days of purchase to be covered by the full 2-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 55° C (32 to 131° F)

Storage Temperature:

-10 to 70° C (-14 to 158° F)

Relative Humidity:

10% to 85% non-condensing - Operational / Storage

Dimensions & Weights

Product Information

Length: 7.28" (185mm)

Depth: 3.11" (79mm)

Height: 1.14" (29mm)

Weight: 8.8oz (250g)

Color: Black

Packaging Information

Packaging Style: Retail Box

Length: 9.84" (250mm)

Depth: 7.99" (203mm)

Height: 1.97" (50mm)

Weight: 2lbs 4.6oz (1380g)

Support

Drivers
Plug and Play no drivers required
User Manual

VT2900 Manual EN (Size: 507 KB)

VT2900 Manual FR (Size: 511 KB)

Spec Sheet

Please Wait...

FAQ

Can the VT2900 connect to a standard USB-A port?
No, the VT2900 will only connect to systems with a USB-C port that supports DP Alt Mode and does not include a USB-C to USB-A cable/adapter.

How do I switch displays and accessories between systems
Quick press the Power / Switch button on the top of the dock or quick press the included 3.5mm switch button.

Can I split the connections between 2 connected systems?
No, all connected displays and accessories connect to the selected host system.

Can a USB-C to USB-A adapter to attach the docking station to my laptop?
No, the VT2900 will require a direct USB-C connection that supports DP Alt Mode.

Can I use the VT2900 on a Thunderbolt™ 3 (or Thunderbolt™ 4) system?
Yes, the VT2900 is compatible with laptops featuring a Thunderbolt™ 3 or Thunderbolt™ 4 USB-C port.

How much power pass-through can the VT2900 docking station provide?
The VT2900 docking station can provide up to 100W of power delivery to PC2 with the included power adapter. For power delivery 2 PC1 an additional USB-C power adapter up to 100W is required.

Why did my dock stop working when I connected power?
When using USB-C power delivery from the VT2900 connect all peripherals and displays to the dock then connect it to your system. Once the dock is recognized and running then connect your USB-C power supply.

Why isn't my laptop receiving power from the docking station?
The VT2900 charges via USB-C Power Delivery, to PC2 with the included power supply, verify that your host system supports this feature. To charge PC2 an additional USB-C Power adapter is required.

Why do I get a warning message on boot saying, "You have attached an undersized power adapter to your system…"?
If attaching a Third-Party USB-C power supply to the power pass-through port on the docking station, it may be providing less power than the proprietary power supply. If your computer remains charging but received this message it is trickle charging. This may mean it is providing enough power to diminish the speed at which the battery is used, or it is charging at a slower pace than normal.

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.

Why aren't my displays working with the VT2900?
1) Ensure the displays are not set to disconnect by default in Windows Display Settings.
2) If the cables connecting the docking station to monitors are making signal type translations, please use active type adapters/cables.
3) Verify that your host system supports USB-C DP Alt Mode

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

Does the VT2900 require a power supply to operate?
Yes, the VT2900 requires the included power supply to be connected.

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.

Does the VT2900 require drivers to operate?
No, the VT2900 operates utilizing USB-C with DisplayPort (DP Alt Mode).

What Operating Systems is the Dock compatible with?
Windows 11, Windows 10, Windows 8.1, Windows 7, macOS 10.12 or later

Can a display adapter be used with the VT2900?
Yes, however, please use an active adapter when making signal type translations.

Does the VT2900 docking station work with Apple M1 chipset macOS systems?
Yes, the VT2900 is compatible with Apple M1 chipset macOS systems. However, display configurations are limited to a single extended while a secondary display is cloned.

Can I use the VT2900 docking station to connect to a VGA or DVI display?
Yes, however, please use an active adapter when making signal type translations.

Is the VT2900 plug-and-play?
Yes, the VT2900 will operate once attached to the host system. This device does not require a driver installation.

Is external power via the USB-C power input PC1 only required when attempting to power a laptop?

Yes, the PC1 USB-C power pass-through port allows for the connection of a USB-C power supply for laptop charging to PC1.

Does the VT2900 support ultrawide resolutions?

No, the VT2900 does not support ultrawide resolutions.

Does the VT2900 support DisplayPort MST daisy-chain connections?

No, the VT2900 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.