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> [VENTION](#) /

> [VENTION TFGHB 10-in-1 USB C Docking Station Dual Monitor User Manual](#)

VENTION TFGHB

VENTION TFGHB 10-in-1 USB C Docking Station User Manual

Model: TFGHB | Brand: VENTION

1. PRODUCT OVERVIEW

The VENTION TFGHB 10-in-1 USB C Docking Station is a versatile multiport adapter designed to expand the connectivity of your USB-C enabled laptop or device. It provides a comprehensive range of ports for data transfer, display expansion, internet connection, and charging.

10-IN-1

All the ports you need



Image 1.1: Overview of the VENTION 10-in-1 USB C Docking Station, highlighting its various ports including PD 100W, 1000M Ethernet, HDMI, VGA, SD/TF Card slots, USB 2.0, and USB 3.0.

Key Features:

- **4K HDMI Port:** Supports resolutions up to 3840 x 2160@30Hz.

- **1080P VGA Port:** Supports resolutions up to 1920 x 1080@60Hz.
- **100W Type C PD Charging Port:** For fast pass-through charging of your host device.
- **1000Mbps Gigabit Ethernet Port:** Ensures a stable and faster wired network connection.
- **Two USB 3.0 Ports:** Data transfer speeds up to 5Gbps.
- **Two USB 2.0 Ports:** Ideal for connecting keyboard, mouse, or other low-bandwidth peripherals.
- **SD/TF Card Reader:** Supports simultaneous data transfer at up to 480Mbps.

2. SETUP INSTRUCTIONS

Follow these steps to connect and configure your VENTION TFGHB docking station.

2.1 Connecting the Docking Station

1. Connect the USB-C cable from the docking station to the USB-C port on your laptop or host device.
2. For power delivery, connect your laptop's original USB-C power adapter to the 100W PD port on the docking station.

Play and Charge Simultaneously

Support PD 100W power supply, fast charging for the MacBook



Note: All data are from Vention Lab

Image 2.1: The docking station connected to a laptop via USB-C, with a power adapter plugged into the PD port for charging.

2.2 Connecting External Displays

The docking station supports simultaneous HDMI and VGA output for dual monitor setups.

1. Connect your primary monitor using an HDMI cable to the HDMI port on the docking station.
2. Connect your secondary monitor using a VGA cable to the VGA port on the docking station.

HDMI+VGA Simultaneous Output

Supports display resolutions up to 1920 x 1080@60Hz

MacOS: Apple menu > System Preferences > Displays > Arrangement > Tick Mirror Displays;

Windows: Setting > System > Display > Multiple Display (or Press Win and P > Project > Duplicate)



MacOS: Apple menu > System Preferences > Displays > Arrangement > Do not tick Mirror Displays.

Windows: Setting > System > Display > Multiple Display (Press Win and P > Project > Extend).



Image 2.2: A laptop connected to two external monitors (one via HDMI, one via VGA) through the VENTION docking station, illustrating both mirror and extend display configurations.

2.3 Configuring Display Modes (Windows)

To configure your display settings in Windows:

1. Right-click on your desktop and select "Display settings" or navigate to **Settings > System > Display**.
2. Under "Multiple displays," select your desired mode:
 - **Extend these displays:** Each monitor shows a different part of your desktop, expanding your workspace.

- **Duplicate these displays (Mirror Mode):** All monitors show the same content.

3. Click "Apply" to save changes.

2.4 Configuring Display Modes (Mac OS)

To configure your display settings in Mac OS:

1. Go to **Apple menu > System Preferences > Displays**.
2. Click on the "Arrangement" tab.
3. To extend your display, uncheck the "Mirror Displays" box. You can then drag the display icons to arrange them as desired.
4. To mirror your display, check the "Mirror Displays" box.

2.5 Setup Video Guide

Watch this video for a visual guide on setting up your VENTION TFGHB docking station and configuring display modes on both Windows and Mac OS.

Your browser does not support the video tag.

Video 2.1: A step-by-step guide demonstrating how to connect the VENTION TFGHB docking station, connect external monitors, and configure both mirror and extended display modes for Windows and Mac OS.

3. OPERATING INSTRUCTIONS

Understand the functionality of each port on your docking station.

3.1 USB Ports

- **USB 3.0 Ports (x2):** Connect high-speed devices like external hard drives, SSDs, or USB flash drives for data transfer up to 5Gbps.
- **USB 2.0 Ports (x2):** Ideal for connecting peripherals such as keyboards, mice, or printers, ensuring stable connection without lag.

Standard USB A ports

More stable transmission



Camera



Hard Disk



U Disk



Keyboard



Mouse



Radiator



Image 3.1: The VENTION docking station displaying its USB 2.0 and USB 3.0 ports, illustrating connections for devices like cameras, hard disks, USB drives, keyboards, mice, and radiators.

3.2 Ethernet Connection

Connect an Ethernet cable to the Gigabit Ethernet port for a stable and high-speed wired network connection, supporting 10/100/1000Mbps.

Fast and Stable Ethernet



High speed
download



Smooth
movie watching



Game with
no latency



Note: All data are from Vention Lab

Image 3.2: A laptop utilizing the docking station's Gigabit Ethernet port for a fast and stable internet connection, suitable for high-speed downloads, smooth movie watching, and gaming.

3.3 SD/TF Card Reader

Insert SD or TF (Micro SD) cards into the dedicated slots for quick data transfer, supporting simultaneous reading and writing at speeds up to 480Mbps.

Support TF/SD Card Slots

High speed data transmission & 256G large capacity



Image 3.3: A laptop connected to the docking station, demonstrating the use of the SD/TF card slots for high-speed data transmission and large capacity storage.

4. MAINTENANCE

Proper care ensures the longevity and optimal performance of your docking station.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the docking station. Avoid liquid cleaners or abrasive

materials.

- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the device or subjecting it to strong impacts. Do not attempt to disassemble the unit.
- **Cable Management:** Ensure cables are not excessively bent or tangled to prevent damage to the connectors or internal wiring.

5. TROUBLESHOOTING

If you encounter issues, refer to the following common solutions.

5.1 Display Issues (No Signal, Mirroring Only)

- **Check Connections:** Ensure all HDMI and VGA cables are securely connected to both the docking station and the monitors.
- **Verify Host Device Compatibility:** Confirm your laptop's USB-C port supports video output (DisplayPort Alternate Mode). Not all USB-C ports support this feature.
- **Driver Updates:** Ensure your computer's graphics drivers are up to date. Visit your laptop manufacturer's website for the latest drivers.
- **Display Settings:** Refer to sections 2.3 and 2.4 for detailed instructions on configuring display modes (Extend/Mirror) for Windows and Mac OS. If only mirroring is occurring, ensure "Extend these displays" (Windows) or uncheck "Mirror Displays" (Mac OS) is selected.
- **Resolution Limits:** Note that the VGA port supports up to 1080P@60Hz, and the HDMI port supports up to 4K@30Hz. Ensure your monitor and system settings are within these limits.

5.2 Overheating

- **Normal Operation:** It is normal for the docking station to become warm during continuous use, especially when multiple ports are active and power delivery is engaged.
- **Ventilation:** Ensure the docking station is placed in a well-ventilated area and not covered, allowing for proper heat dissipation.
- **Reduce Load:** If overheating is excessive, try disconnecting non-essential peripherals or reducing the number of connected displays.

5.3 Power Delivery Issues

- **Power Adapter:** Use your laptop's original power adapter or a compatible 100W PD charger connected to the docking station's PD port. Lower wattage chargers may not provide sufficient power for both the laptop and connected peripherals.
- **Cable Quality:** Ensure the USB-C cable connecting the docking station to your laptop is capable of supporting power delivery.

5.4 USB Device Not Recognized / Lagging Peripherals

- **Reconnect Device:** Disconnect and reconnect the USB device.
- **Try Different Port:** Test the device in another USB port on the docking station or directly on your laptop.
- **Power Supply:** Ensure the docking station is receiving adequate power, especially for power-hungry USB devices.
- **Interference:** For wireless peripherals, ensure there is no significant interference from other devices.

6. SPECIFICATIONS

Feature	Detail
Model Number	TFGHB
Brand	VENTION
Color	Black
Number of Ports	10
Hardware Interface	Ethernet, HDMI, Secure Digital Card, USB 2.0, USB 3.0, USB Type C, VGA
Total USB Ports	4 (2x USB 3.0, 2x USB 2.0)
Total HDMI Ports	1
VGA Port	1
Ethernet Port	1 (Gigabit 10/100/1000Mbps)
SD/TF Card Slots	Yes (Simultaneous read/write)
Power Delivery (PD)	Up to 100W
Compatible Devices	MacBook/MacBook Pro 2020/2019/2018/2017, MacBook Air 2020/2018, iPad Pro 2020/2018, Dell XPS 13/15, Samsung Galaxy S9/S9+, and more Type-C devices.
Package Dimensions	7.48 x 3.66 x 1.14 inches
Item Weight	5 ounces (142.5 Grams)
Manufacturer	VENTION

7. WARRANTY AND SUPPORT

VENTION products are designed for reliability and performance. This product comes with a standard manufacturer's warranty against defects in materials and workmanship.

7.1 Warranty Information

Please refer to the warranty card included with your product or visit the official VENTION website for detailed warranty terms and conditions. Keep your proof of purchase for warranty claims.

7.2 Customer Support

If you require technical assistance or have questions regarding your VENTION TFGHB docking station, please contact VENTION customer support through their official website or the contact information provided in your product packaging.