

VENTION TFXH0

VENTION 13-in-1 Laptop Docking Station TFXH0

INSTRUCTION MANUAL

Introduction

This manual provides detailed instructions for setting up and operating your VENTION 13-in-1 Laptop Docking Station, model TFXH0. This docking station is designed to expand the connectivity of your USB-C enabled laptop, transforming it into a powerful workstation with multiple display outputs, high-speed data transfer ports, and efficient power delivery.

Product Features

The VENTION 13-in-1 Docking Station offers a comprehensive set of ports and features to enhance your productivity:

- **13-in-1 Connectivity:** Includes 1x DisplayPort (up to 8K@30Hz Windows / 4K@60Hz macOS), 2x HDMI (8K single, 4K dual/triple on Windows; 4K mirrored on macOS), USB-C Host, 100W PD input, 10Gbps USB-C, 2x 10Gbps USB-A ports, 2x USB 2.0 ports (480Mbps), SD/TF card readers (simultaneous reading), 3.5mm TRRS audio jack, and RJ45 Gigabit Ethernet (10/100/1000Mbps).
- **Touch Screen Display:** A built-in smart display shows real-time working status, including power configuration and connected devices.
- **Multi-Monitor Support:** Supports up to three external monitors for extended or mirrored displays, depending on the operating system.
- **High-Speed Data Transfer:** USB 3.2 Gen 2 Type-C and Type-A ports provide up to 10Gbps transfer speeds.
- **100W Power Delivery:** Charges your laptop and powers connected devices simultaneously.
- **Gigabit Ethernet:** Ensures stable and fast wired network connections.
- **Magnetic Storage Design:** Features a magnetic compartment with 6 card slots for organizing small accessories and cables.

Widely Compatible

Windows 10/11



Dell Vostro 5320 ThinkPad X1 Carbon Gen 12 HP EliteBook 850 G8
Dell Pro 14 PC14255 Microsoft Surface Pro 8 And More+

macOS13.5 and Above



Limited Extended Display Functionality on macOS:
Only one external display can show different content; additional displays will mirror it.

Check before you purchase: Confirm which features your laptop's USB-C Port Supports.

Thunderbolt 5 / 4 / 3, USB4

Data + Power Delivery + Display

Data + Power Delivery + Display

Data Transfer Only

Data Transfer Only

Charging Only

Image: Overview of the VENTION 13-in-1 Docking Station, highlighting its various ports and compact design.

Setup Guide

Follow these steps to set up your VENTION 13-in-1 Docking Station:

1. **Connect Power:** Connect the power adapter to the PD Input port on the docking station.
2. **Connect to Laptop:** Use the provided USB-C to USB-C data cable to connect the 'HOST' port on the docking station to a full-featured USB-C port on your laptop.
3. **Connect Displays:** Connect your monitors to the DisplayPort and HDMI ports on the docking station using appropriate cables.
4. **Connect Peripherals:** Plug in your USB devices (keyboard, mouse, external drives), Ethernet cable, and audio devices to their respective ports.
5. **Power On:** Press the power button on the docking station to turn it on. The touch screen display will activate.



Image: Step-by-step connection diagram for the docking station, illustrating power and host connections.

Operating Instructions

Utilize the various functions of your docking station for an enhanced computing experience.

Interactive Touch Screen Display

The built-in touch screen provides real-time information and control:

- **Status Monitoring:** View the working status of connected ports, power input/output, and display configurations.
- **Navigation:** Use the direction keys on the screen to switch between different information pages.
- **Power Control:** Short press to turn on, long press for 3 seconds to turn off the display.



Image: The interactive touch screen display showing real-time power and screen information.

Multi-Monitor Configuration

The docking station supports various display configurations:

- **Windows (SST/MST):** Supports up to 8K@30Hz via a single DP or HDMI port. Dual 4K@60Hz or triple 4K@30Hz displays are supported.
- **macOS (SST):** Supports up to 4K@60Hz for single or mirrored multi-display output. Due to system limitations, macOS does not support extended dual-screen display with different content.



Image: A laptop connected to three external monitors via the docking station, showcasing a multi-display setup.

Data Transfer and Network

Utilize the high-speed data and network capabilities:

- **USB 3.2 Gen 2:** Connect compatible devices to the 10Gbps USB-C and USB-A ports for rapid data transfer.

- **USB 2.0:** Use the 480Mbps USB 2.0 ports for peripherals like keyboards, mice, and printers.
- **SD/TF Card Readers:** Insert SD and TF cards for simultaneous reading and writing.
- **Gigabit Ethernet:** Connect an Ethernet cable to the RJ45 port for a stable 10/100/1000Mbps wired network connection.



Image: The 1000Mbps Ethernet port in use, ensuring a fast and reliable network connection.

Product Overview Video

Video: An official overview of the VENTION 13-in-1 Laptop Docking Station, demonstrating its features and connectivity options.

Compatibility

The VENTION 13-in-1 Docking Station is compatible with a wide range of devices:

- **Operating Systems:** Compatible with Windows 10/11 and macOS 13.5 and above.
- **Devices:** Works with Dell, HP, MacBook, iPhone, and other computers equipped with a full-featured USB-C port.

Important Note for macOS Users: macOS supports mirror mode only and does not support extended dual-screen display with different content. Only one external display can show different content; additional displays will mirror it.



Image: Visual representation of display compatibility for Windows and macOS, highlighting macOS limitations.

Display Resolutions and Refresh Rates

Refer to the table below for supported display resolutions and refresh rates:

Display Setup	Mac OS (SST)	Windows OS (SST/MST)
Single Monitors	4K@60Hz (HDMI1, HDMI2, or DP)	8K@30Hz (HDMI1, HDMI2, or DP)
Dual Monitors	4K@60Hz (Mirrored)	4K@60Hz
Triple Monitors	4K@60Hz (Mirrored)	4K@30Hz

Note: The table above summarizes the maximum supported resolutions and refresh rates for different display configurations.

Magnetic Storage Design

The docking station features an innovative magnetic storage compartment to keep your workspace tidy:

- **Hidden Compartment:** A side panel can be removed to reveal a storage area.
- **Card Slots:** Includes 6 dedicated slots for SD cards, TF cards, and USB receivers.
- **Cable Management:** Ideal for storing the included USB-C cables or other small accessories.



Image: The magnetic storage compartment of the docking station, designed for organizing small accessories.

Specifications

Feature	Detail
Brand	VENTION
Model Number	TFXH0
Color	Gray
Number of Ports	13
Hardware Interface	3.5mm Audio, DisplayPort, HDMI, USB 2.0 Type A, USB 3.2 Gen 2, USB Type C, RJ45
Total USB Ports	5 (2x USB-C, 3x USB-A)
Data Transfer Rate	10 Gigabits Per Second (USB 3.2 Gen 2)
Power Delivery	Up to 100W
Ethernet	10/100/1000Mbps Gigabit
Card Readers	SD/TF (simultaneous reading)
Compatible Devices	Computers, PCs, Full USB-C Laptops (Dell, HP, MacBook, iPhone, etc.)

Troubleshooting

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

- **No Display Output:**

- Ensure your laptop's USB-C port supports DisplayPort Alternate Mode (DP Alt Mode).
- Check all cable connections (USB-C host, HDMI/DP to monitor).
- Verify monitor input settings are correct.
- For Windows, check display settings (Extend, Duplicate, Second screen only).
- For macOS, remember it primarily supports mirrored displays for multiple external monitors.

- **No Power Delivery/Charging:**

- Ensure the power adapter is securely connected to the docking station's PD Input port.
- Confirm your laptop supports USB-C Power Delivery.
- Use the provided 1.5m USB-C to USB-C cable for optimal power delivery.

- **USB Devices Not Recognized:**

- Try connecting the device to a different USB port on the docking station.
- Ensure the docking station is properly connected to your laptop.
- Restart your laptop and the docking station.

- **Ethernet Connection Issues:**

- Check the Ethernet cable connection to both the docking station and your router/modem.
- Verify network settings on your laptop.

- Ensure your router/modem is functioning correctly.

Maintenance

To ensure the longevity and optimal performance of your docking station:

- Keep the device in a clean, dry environment, away from extreme temperatures and direct sunlight.
- Avoid dropping or subjecting the device to strong impacts.
- Clean the exterior with a soft, dry cloth. Do not use liquid cleaners or solvents.
- Ensure proper ventilation around the docking station to prevent overheating.

Warranty and Support

The VENTION 13-in-1 Laptop Docking Station TFXH0 comes with a **12-month warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use.

For technical support, warranty claims, or further assistance, please contact VENTION customer service through their official website or the retailer where the product was purchased. Please have your model number (TFXH0) and proof of purchase ready when contacting support.

Online Resources: For additional information, FAQs, and driver updates, visit the official VENTION website:

www.ventiontech.com