FALWEDI 12-in-1 USB C Docking Station

FALWEDI 12-in-1 Triple Monitor USB C Docking Station User Manual

Model: 12-in-1 USB C Docking Station

Introduction Product Overview Compatibility Setup Guide Operating Instructions Maintenance Troubleshooting Specifications Warranty & Support

1. Introduction

Thank you for purchasing the FALWEDI 12-in-1 Triple Monitor USB C Docking Station. This device is designed to expand the connectivity of your USB-C enabled laptop, providing multiple ports for displays, peripherals, network, and power delivery. Please read this manual carefully to ensure proper installation and operation.

2. Product Overview

The FALWEDI 12-in-1 USB C Hub offers a comprehensive solution for expanding your laptop's capabilities. It features a variety of ports to meet diverse connectivity needs.



Image: Falwedi 12-in-1 USB C Hub with labeled ports. This image displays the docking station with callouts for each port: 1. 3.5mm Audio/Mic, 2. USB 3.0 x 2, 3. USB 2.0, 4. SD&TF Card Reader, 5. RJ45, 6. VGA, 7. HDMI 1, 8. HDMI 2, 9. USB 2.0, 10. PD 3.0 (USB-C Charging port).

Key Features:

- **Triple Display Output:** Supports dual HDMI and one VGA output for extended or mirrored displays.
- **Power Delivery (PD3.0):** USB-C charging port for laptop power.
- **Ethernet Port:** RJ45 Gigabit Ethernet for stable wired network connection.
- **USB Ports:** Multiple USB 3.0 and USB 2.0 ports for connecting peripherals and data transfer.
- **Card Readers:** SD and TF card slots for memory card access.
- **Audio Jack:** 3.5mm audio/microphone port.

3. Compatibility

Ensure your laptop's USB-C port supports the necessary functions for optimal performance of this docking station. Not all USB-C ports are created equal.

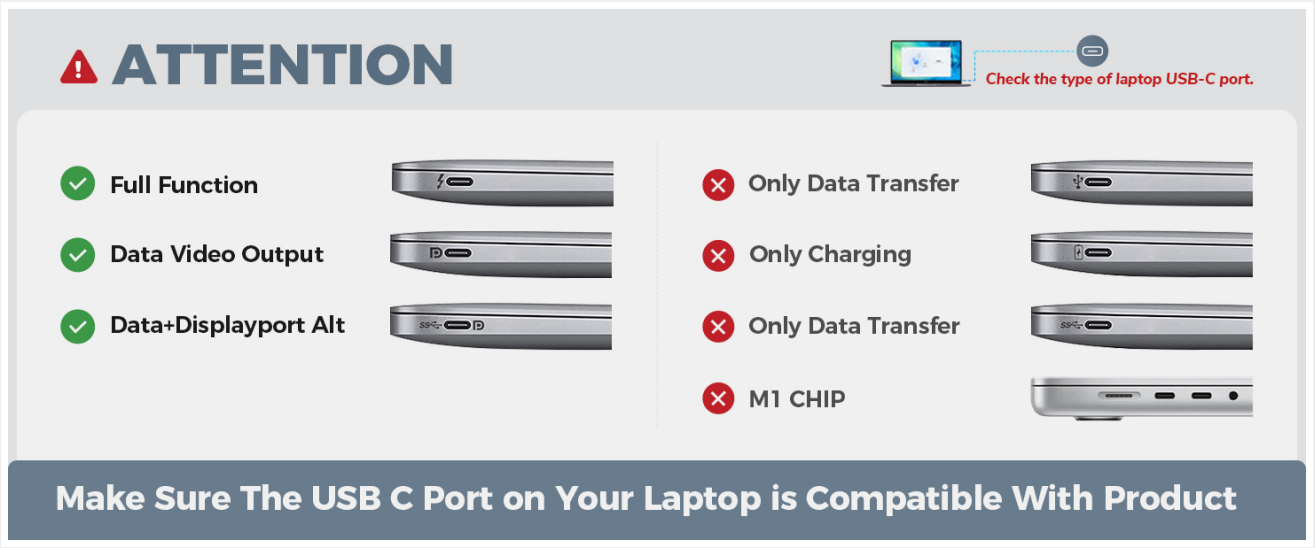


Image: USB-C Port Compatibility Guide. This graphic illustrates various USB-C port types and their capabilities: 'Full Function', 'Data Video Output', 'Data+Displayport Alt' are compatible, while 'Only Data Transfer', 'Only Charging', and 'M1 Chip' are noted for limitations or incompatibility.

Broad Compatibility:

This docking station is compatible with a wide range of devices and operating systems, provided they have a full-featured Type-C port.

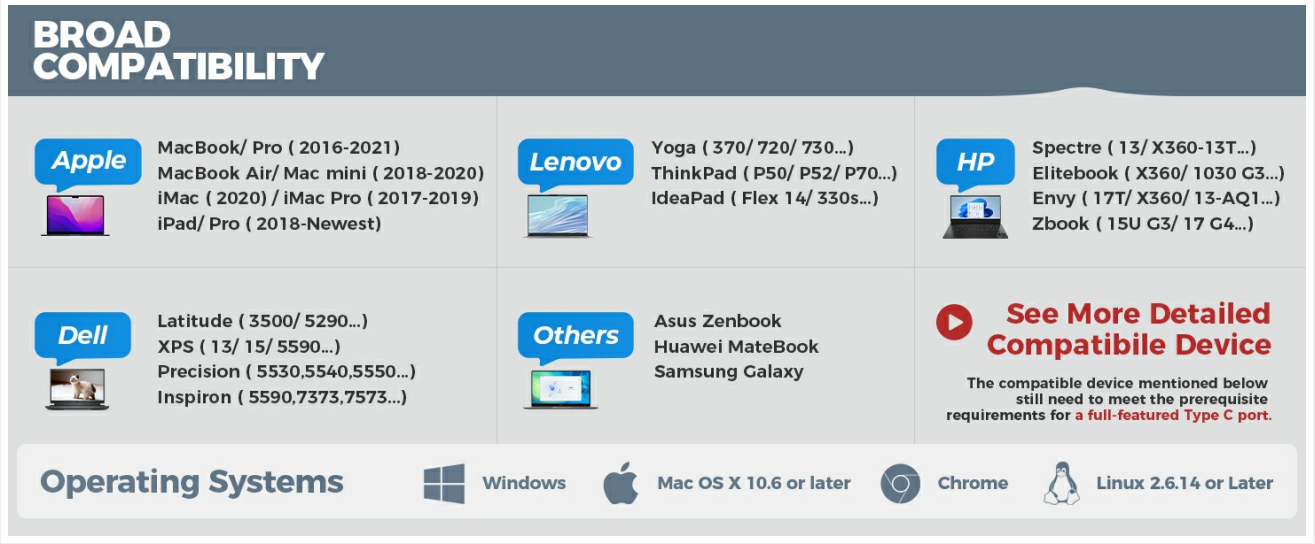


Image: Broad Compatibility Chart. This chart lists compatible brands and operating systems including Apple (MacBook/Pro, Air, mini, iMac, iPad/Pro), Lenovo (Yoga, ThinkPad, IdeaPad), HP (Spectre, Elitebook, Envy, Zbook), Dell (Latitude, XPS, Precision, Inspiron), and others like Asus, Huawei, Samsung, Acer, Google Chromebook, and Microsoft Surface. Supported OS are Windows, Mac OS X 10.6 or later, Chrome, and Linux 2.6.14 or later.

Detailed Compatible Devices (Partial List):



Image: Detailed Compatible Device List. This image provides a more specific list of compatible models for various brands, including Lenovo (Yoga, IdeaPad Chromebook), Dell (Latitude, XPS, Precision, Inspiron), HP (Spectre, Elitebook, Zbook, Probook), Asus (Zenbook, Rog), Samsung (Note, Galaxy, Tablet), Huawei (Matebook), Acer (Aspire, Swift, Predator), Google Chromebook (Pixel), and Microsoft Surface (Book, Laptop).

Incompatibility (Partial List):

Please note that some devices are not compatible with this docking station. Refer to the list below.



Image: Incompatibility List. This image lists devices that are not compatible, including MacBook Air (before 2018), MacBook Pro 2015, iMac 2021, various Asus Vivobook/TUF/Zenbook models, Acer Aspire/Predator, MSI, Microsoft Surface Pro 3/4/Book 3, HP Spectre, Dell Inspiron/Latitude, Lenovo (V330/T570/Yoga/ThinkPad/IdeaPad), and other high-power USB devices.

4. Setup Guide

Initial Connection:

1. Connect the USB-C cable from the docking station to your laptop's USB-C port.
2. For stable power and full functionality, connect your laptop's original power adapter to the docking station's PD 3.0 USB-C charging port. A 100W power supply is recommended for optimal performance, especially when connecting multiple devices.
3. Connect your external monitors to the HDMI and/or VGA ports on the docking station.
4. Connect any USB peripherals (keyboard, mouse, external drives) to the available USB 3.0 or USB 2.0 ports.
5. For a wired network connection, connect an Ethernet cable to the RJ45 port.

6. Insert SD or TF cards into the respective card reader slots if needed.
7. Connect headphones or speakers to the 3.5mm Audio/Mic jack.

Multi-Monitor Setup:

The docking station supports triple display output (two HDMI, one VGA). The display configuration will vary based on your operating system and laptop's capabilities.

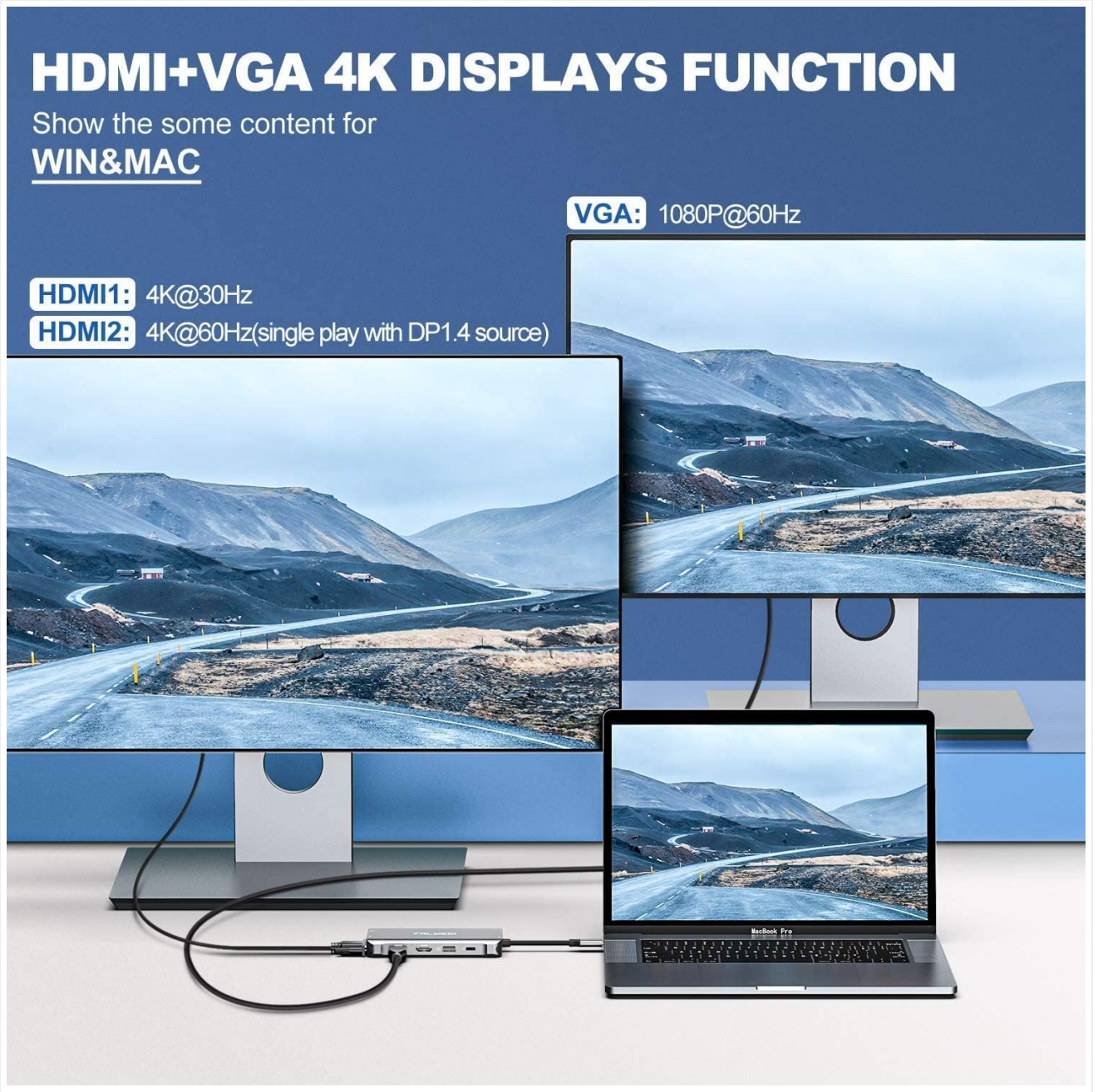


Image: HDMI+VGA 4K Displays Function. This image shows a laptop connected to the docking station, extending its display to two external monitors. One monitor is connected via HDMI 1 (4K@30Hz) and the other via HDMI 2 (4K@60Hz with DP1.4 source) or VGA (1080P@60Hz).



Image: Multiple Display Modes. This diagram illustrates how to configure multiple displays for Windows (Extend desktop, Collage mode for up to 4 screens with DP1.4 and AMD processor or specific Apple models) and Mac (Extend mode).

Windows Setup:

- Right-click on your desktop and select 'Display settings'.
- Under 'Multiple displays', choose your preferred display mode (Extend these displays, Duplicate these displays, Show only on 1/2/3).
- Adjust resolution and orientation as needed.
- For 4-screen output, only DP1.4 and AMD processor computers or specific Apple models listed after 2018 with dual systems installed can achieve this when using the Windows system.

Mac Setup:

- Go to 'System Preferences' > 'Displays'.
- Arrange your displays as desired. Mac OS typically supports 'Extend mode'.
- Note: Mac OS does not support different screens for multi-monitors (A/BCDE, A/BCD, A/BC). Under partial connection (no VGA), the highest resolution of all monitors can reach 4K@30Hz. All will be limited by the resolution of your display.

Resolution Notes:

- The final resolution of HDMI output depends on your host devices. 4K resolution is only supported when your devices support DP1.4.
- For DP1.4 and AMD Processor Laptops: Only one monitor's resolution will be up to 4K@30Hz while another will be 1080P under MST mode without connecting the VGA port. All monitors' resolution will be 1920x1080P@60Hz if VGA works simultaneously.

5. Operating Instructions

USB Ports:

Connect USB devices such as external hard drives, flash drives, keyboards, and mice. The USB 3.0 ports offer super-speed data transfer, while USB 2.0 ports are suitable for a wide range of applications.



Image: USB 3.0 and SD&TF Ports. This image highlights the 5Gbps USB 3.0 ports for super speed transfer, traditional USB 2.0 ports for wide range of applications, and SD&TF card reader slots for efficient simultaneous data transmission.

Ethernet Port:

The RJ45 Ethernet port provides a reliable internet connection with speeds up to 1000Mbps. No driver installation is required for most operating systems.



Image: 3.5mm Audio/Mic and Instant Ethernet. This image shows the 3.5mm audio/mic port with earbuds connected and the RJ45 Ethernet port with a cable, emphasizing reliable internet speed up to 1000M without requiring drivers.

SD & TF Card Readers:

Insert your SD or TF (Micro SD) cards into the corresponding slots to efficiently transmit and access files. Both card readers can work simultaneously.

3.5mm Audio/Mic Jack:

Connect your headphones, speakers, or microphone to this port for audio input and output.

6. Maintenance

- Keep the docking station clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.

- Do not attempt to disassemble or repair the device yourself. Contact customer support if issues arise.
- Disconnect the docking station from power and your laptop when not in use for extended periods.

7. Troubleshooting

If you encounter issues, please refer to the following tips:

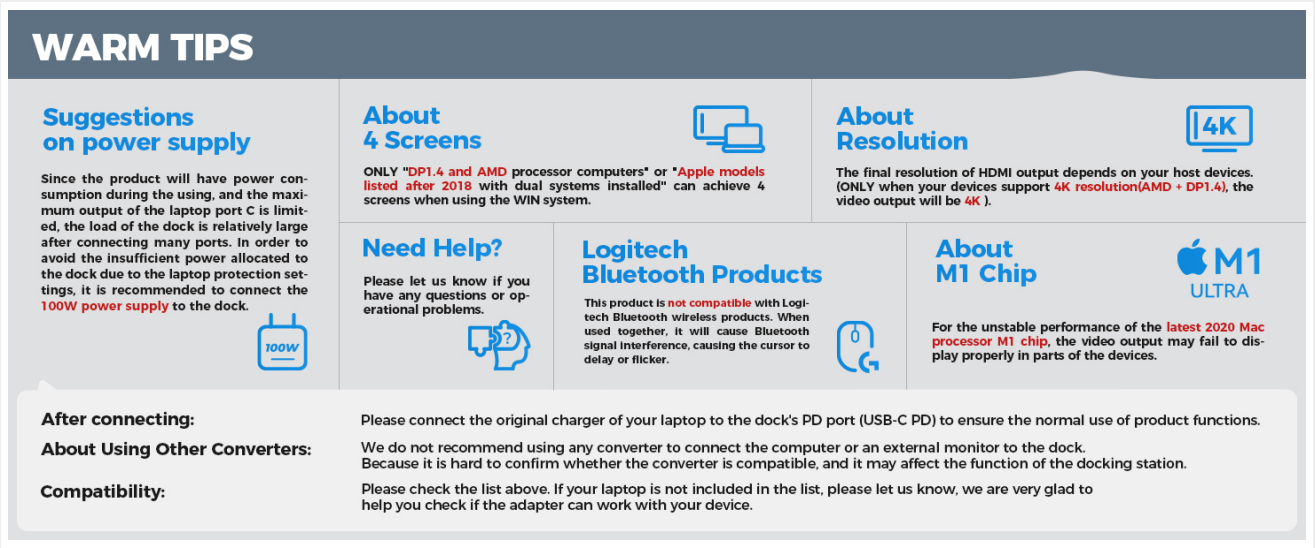


Image: Warm Tips for Troubleshooting. This section provides advice on power supply, 4-screen support, resolution, Logitech Bluetooth product incompatibility, and M1 chip performance.

- **No Display Output:**
  - Ensure your laptop's USB-C port supports video output (DisplayPort Alt Mode).
  - Verify that the external monitors are powered on and set to the correct input source.
  - Check all cable connections. Try reconnecting the docking station and display cables.
  - Update your laptop's graphics drivers.
  - The final resolution depends on your host device. 4K is only supported if your device supports DP1.4.
- **Unstable Connection/Performance:**
  - Connect your laptop's original power adapter to the docking station's PD port. The product consumes power, and the maximum output of the laptop's Type-C port is limited. A 100W power supply is recommended.
  - Avoid using other converters between the docking station and your computer/monitor, as compatibility issues can affect functionality.
  - For M1 chip Macs, unstable performance may occur, and video output might fail to display properly.
- **USB Devices Not Working:**
  - Ensure the devices are properly plugged into the USB ports.
  - Check if the devices require external power.
  - Some high-power USB devices (e.g., certain external hard drives, USB Super Drive/CD/DVD players) may not be fully supported due to power requirements.
- **Ethernet Not Working:**
  - Verify the Ethernet cable is securely connected to both the docking station and your router/modem.
  - Check your network settings on your laptop.
- **Logitech Bluetooth Products:**

- This product is not compatible with Logitech Bluetooth wireless products. Using them together may cause Bluetooth signal interference, leading to cursor delay or flicker.

8. Specifications

Feature	Detail
Model	12-in-1 USB C Docking Station
Brand	FALWEDI
Hardware Interface	USB
Compatible Devices	Card Readers, Laptops, Monitors
Total USB Ports	4 (2x USB 3.0, 2x USB 2.0)
Video Output	2x HDMI, 1x VGA
HDMI Resolution	Up to 4K@30Hz (DP1.4 required for 4K)
VGA Resolution	Up to 1080P@60Hz
Ethernet	RJ45 Gigabit Ethernet (1000 Mbps)
Card Reader	SD & TF (Micro SD)
Audio Port	3.5mm Audio/Mic
Power Delivery	USB-C PD 3.0 (Charging port)
Data Transfer Rate	1000 Megabits Per Second (Ethernet)
Item Weight	4.6 ounces
Package Dimensions	6.38 x 4.72 x 0.87 inches

9. Warranty & Support

FALWEDI is committed to providing high-quality electronic products. For any questions or operational problems, please contact us.



Image: Warranty Information. This image shows a warranty card with details on how to activate your warranty and contact information for support.

Contact Information:

- **Email:** bonus@myfalwedi.com
- **Facebook:** Search for "FALWEDI GIFT"

We aim to reply to all inquiries within 24 hours.