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WAVLINK UMD05

WAVLINK UMD05 USB-C Triple Display Docking Station User Manual

Model: UMD05

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1. INTRODUCTION

The WAVLINK UMD05 USB-C Triple Display Docking Station is a versatile 13-in-1 expansion hub designed to enhance your laptop's connectivity and display capabilities. It provides multiple video outputs, high-speed data transfer ports, network connectivity, and power delivery, making it an ideal solution for expanding your workspace at home or in the office.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- WAVLINK UMD05 USB-C Triple Display Docking Station
- USB-C to USB-C Cable
- 130W Power Adapter
- AC Power Cable
- User Manual
- Driver Download Disk (or QR code for online download)



Image: Contents of the WAVLINK UMD05 package.

3. PRODUCT OVERVIEW (PORTS)

The UMD05 docking station features a comprehensive array of ports for various connectivity needs:

Front Panel Ports:

- **Power Button:** To turn the docking station on/off.
- **USB 3.0 Port (with BC1.2 fast charging):** For high-speed data transfer and charging compatible devices.
- **Micro SD Card Reader:** For reading Micro SD memory cards.
- **SD Card Reader:** For reading standard SD memory cards.
- **3.5mm Audio Jack (4-pole):** For connecting headphones or headsets with microphone functionality.

Rear Panel Ports:

- **Gigabit Ethernet Port (RJ45):** Provides a stable and fast wired network connection (up to 1000Mbps).
- **3 x USB 3.0 Ports:** For connecting USB peripherals and high-speed data transfer (up to 5Gbps).
- **1 x DisplayPort:** Video output for connecting an external monitor.
- **2 x HDMI Ports:** Video outputs for connecting external monitors.
- **Upstream USB-C Port:** Connects to your host laptop for data, video, and power delivery.
- **DC Input (20V):** For connecting the 130W power adapter.

13-IN-1

Triple Display MST Docking Station

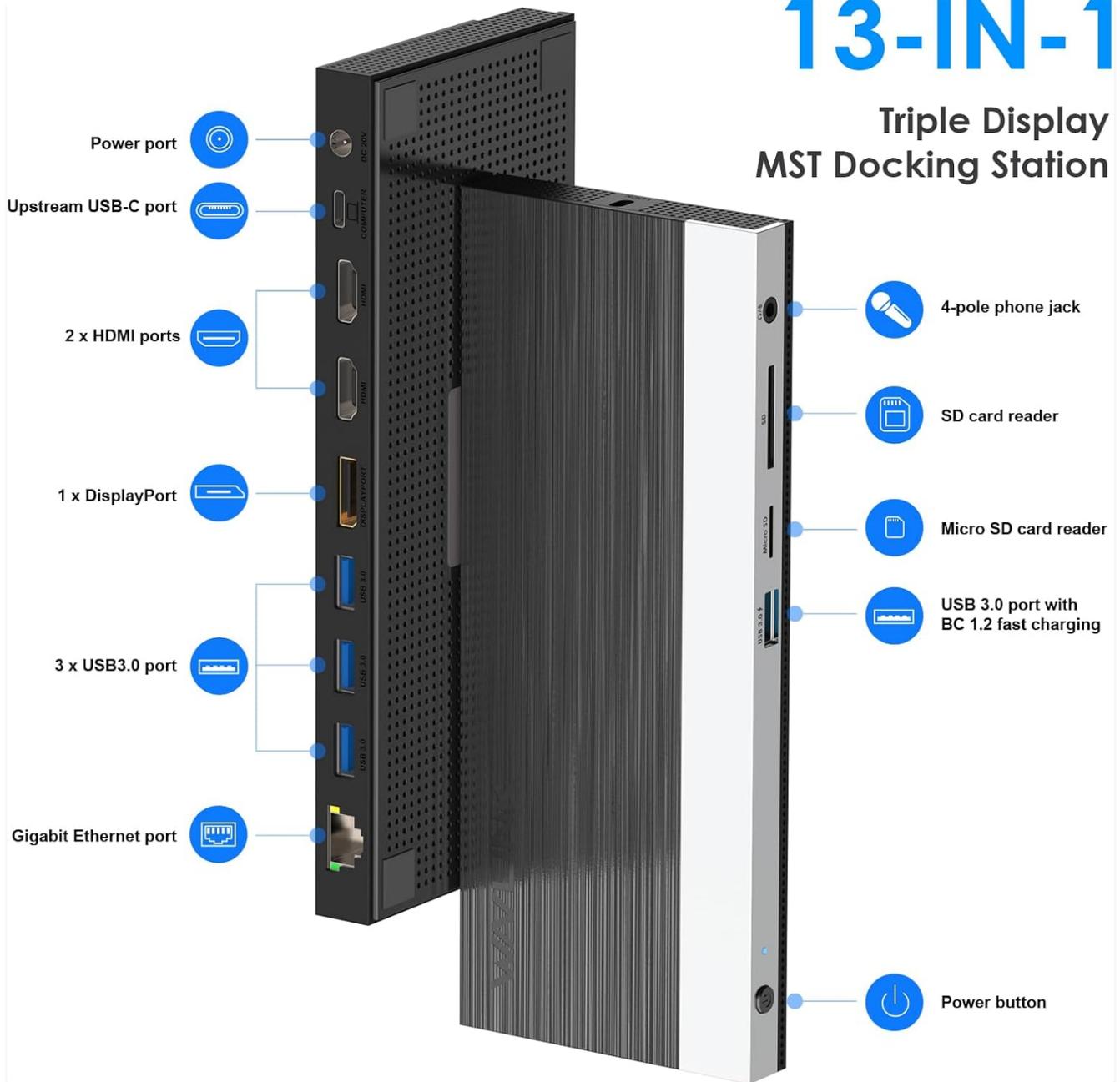


Image: Front and rear view of the WAVLINK UMD05 with labeled ports.



Image: WAVLINK UMD05 with cables connected to illustrate port usage.

4. COMPATIBILITY

The UMD05 docking station is designed for broad compatibility with various devices and operating systems:

Compatible Devices:

- Laptops with Thunderbolt 3/4 or full-featured USB-C ports (supporting Power Delivery and video output).
- MacBook Pro/Air, iMac/iMac Pro, Google Chromebook Pixel, Huawei MateBook Pro, Dell, Surface Book 2, HP, Lenovo computers, iPhone 15 series, iPad Air/Pro/Mini, Steam Deck, and other Type-C smartphones/tablets.

Compatible Operating Systems:

- Windows OS
- macOS
- Chrome OS
- Linux
- Android

Important Compatibility Notes:

- Ensure your host device's USB-C port supports **Power Delivery (PD)**, **DisplayPort Alt Mode (video output)**, and **Data Transfer** for full functionality.
- If your USB-C port only supports data transfer, the charging and video output ports will not function.
- If your USB-C port supports data and video output but not PD, the upstream charging port will not work.



Note Before Purchase:

Please make sure the type-c port of the host support video output(dp alt mode), or the adapter could not work.

Examples for Supported Type-C



Thunderbolt 3/4 Full Function



Data+ Displayport Alt



Data+PD+ Displayport Alt



Others.....

Examples for Unsupported Type-C



Only Data Transfer



Only Charging



Only Data+ Power Delivery



Others.....

Image: Examples of supported and unsupported USB-C port functionalities.

Comprehensive Compatibility

Compatible Devices



Operating Systems



Note: Make sure your device's USB C port supports Power Delivery, DisplayPort and Data Transfer.

Image: Comprehensive compatibility with devices and operating systems.

5. SETUP

Follow these steps to set up your WAVLINK UMD05 Docking Station:

1. **Connect Power:** Plug the 130W power adapter into the DC input port on the docking station, then connect the AC power cable to a wall outlet.
2. **Connect to Host Device:** Use the provided USB-C to USB-C cable to connect the docking station's upstream USB-C port to your laptop's compatible USB-C port.
3. **Connect Monitors:** Connect your external monitors to the docking station using HDMI and/or DisplayPort cables. The UMD05 supports up to three external displays.
4. **Connect Peripherals:** Plug in your USB devices (keyboard, mouse, external hard drives) into the USB 3.0 ports. Connect your Ethernet cable for a wired network connection. Insert SD or Micro SD cards as needed. Connect headphones or speakers to the 3.5mm audio jack.

5. **Power On:** Press the power button on the front of the docking station to turn it on.
6. **Driver Installation (if necessary):** While many functions are plug-and-play, some advanced display configurations or specific operating systems may require driver installation. Refer to the included driver download disk or scan the QR code in the user manual for the latest drivers.

Your browser does not support the video tag. This video demonstrates the setup and functionality of the WAVLINK USB-C docking station, including connecting multiple monitors and peripherals.

Video: Setup and functionality demonstration of the WAVLINK USB-C docking station.

6. OPERATING MODES (DISPLAY CONFIGURATION)

The UMD05 supports various display configurations depending on your operating system:

Windows OS:

- **Mirror Mode:** Duplicates your laptop's display across all connected external monitors.
- **Extend Mode:** Extends your desktop across multiple external monitors, allowing for a larger workspace.
- **Single Display Output:** Up to 4K@60Hz (using HDMI1/DP with DP1.3/DP1.4 source).
- **Dual Display Output:** Up to 2K@60Hz (using 2x HDMI or 1x HDMI + 1x DP).
- **Triple Display Output:** Up to 1920x1080@60Hz (using 2x HDMI + 1x DP).

macOS:

- **Mirror Mode:** Duplicates your laptop's display across all connected external monitors.
- **Non-Mirror Mode:** All three external monitors will display the same content, but it will be different from the host laptop display. macOS does not support true extend mode (MST) across multiple distinct external displays.

Display Modes

Windows Extend Mode



macOS Extend Mode



Note: macOS supports extending to one additional display.



Image: Display modes for Windows and macOS.

TRIPLE DISPLAY

EXTEND MODE

*MacOS doesn't support MST.

*Resolution up to 1920x1080@60Hz(DP1.4).



A LAPTOP



B HDMI1/2

C DP

A LAPTOP



B HDMI1

C HDMI2

D DP

A MAC



B HDMI1

B HDMI2

B DP

Image: Resolution capabilities for single, dual, and triple displays.

Your browser does not support the video tag. This video demonstrates the triple display capabilities of the USB-C docking station, showing how multiple screens can be used simultaneously.

Video: Demonstration of triple display functionality.

7. POWER DELIVERY

The UMD05 docking station includes a 130W power adapter that provides up to 100W of power to your connected laptop via the upstream USB-C port. This allows for quick charging of your host device while simultaneously using the docking station's other features. Ensure your laptop's USB-C port supports the Power Delivery protocol for this feature to work.



Image: 100W Power Delivery to a laptop and smartphone.

8. DATA TRANSFER

The docking station offers robust data transfer capabilities:

- **USB 3.0 Ports:** Four USB 3.0 ports (one on the front, three on the rear) provide data transfer speeds of up to 5Gbps, significantly faster than USB 2.0.
- **SD/Micro SD Card Readers:** Built-in slots support simultaneous operation at speeds up to 104MB/s, ideal for photographers and videographers.

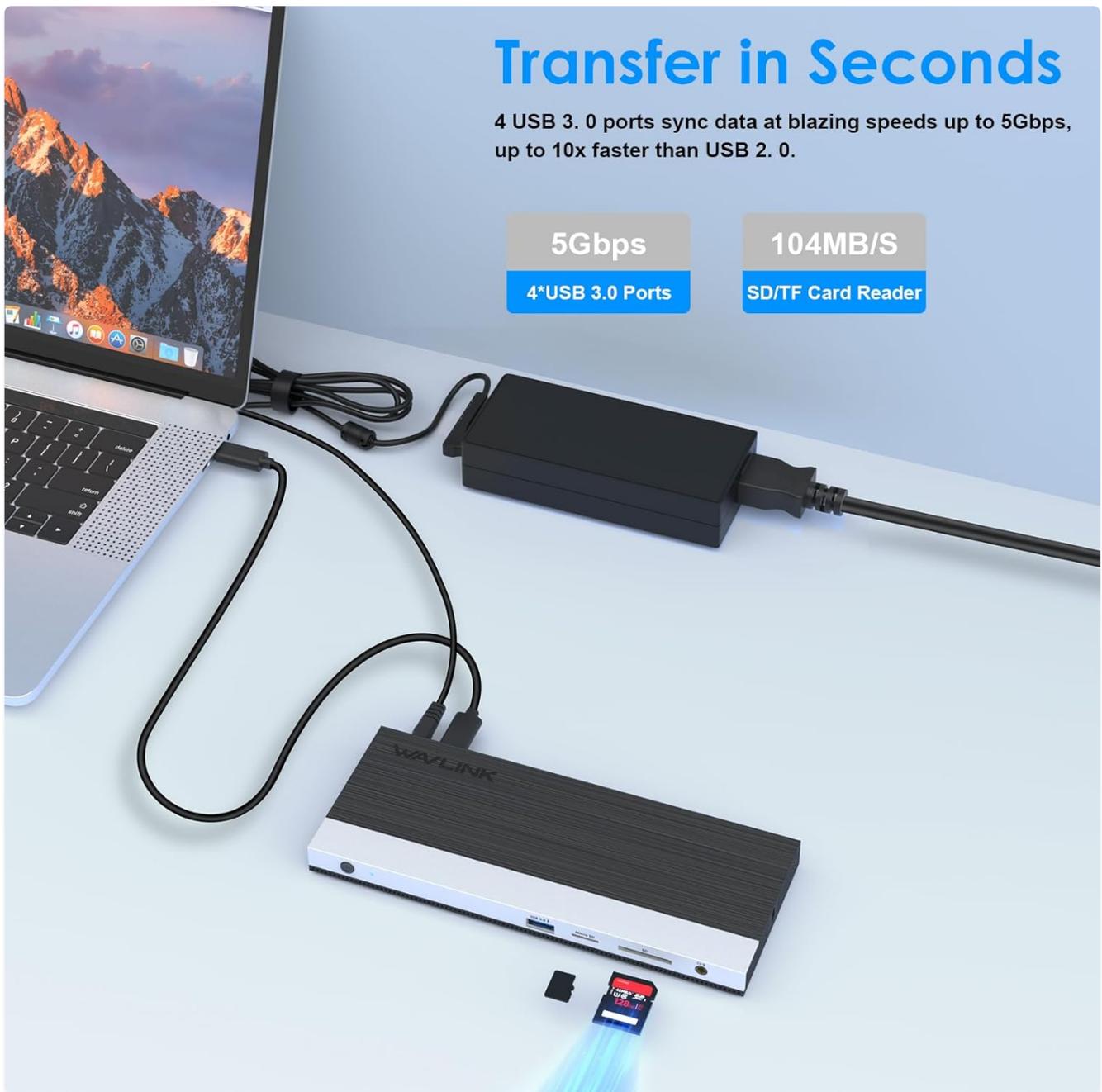


Image: High-speed data transfer via USB 3.0 and SD/TF card readers.

9. SPECIFICATIONS

Model	UMD05
Brand	WAVLINK
Hardware Interface	USB Docking Station
Video Outputs	2 x HDMI, 1 x DisplayPort

Max Resolution (Single)	4K@60Hz (DP1.3/DP1.4 source)
Max Resolution (Dual)	2K@60Hz
Max Resolution (Triple)	1920x1080@60Hz
USB Ports	4 x USB 3.0 (1 with BC1.2 fast charging)
Ethernet	Gigabit Ethernet (RJ45)
Card Readers	SD, Micro SD
Audio	3.5mm Combo Audio Jack
Power Delivery	Up to 100W to host laptop (130W adapter included)
Item Weight	2.57 pounds
Package Dimensions	10.55 x 5.12 x 2.91 inches

10. TROUBLESHOOTING

- **No Display Output:**

- Ensure your host laptop's USB-C port supports DisplayPort Alt Mode (video output).
- Verify all video cables are securely connected to both the docking station and monitors.
- Check your display settings on your laptop to ensure monitors are detected and configured correctly (extend/mirror).
- For macOS, remember that extend mode is limited; external monitors will show the same content in non-mirror mode.

- **No Power Delivery/Charging:**

- Confirm your host laptop's USB-C port supports Power Delivery (PD).
- Ensure the 130W power adapter is correctly connected to the docking station and a working power outlet.

- **USB Ports Not Functioning:**

- Ensure the docking station is powered on and properly connected to your host laptop.
- Try connecting the USB device directly to your laptop to rule out device issues.

- **Ethernet Connection Issues:**

- Verify the Ethernet cable is securely connected to both the docking station and your router/modem.
- Check your network settings on your laptop.
- Some users have reported intermittent internet drops, especially with VPN connections. Try unplugging and replugging the Ethernet cable or restarting the docking station.

- **Docking Station Overheating:**

- Ensure adequate ventilation around the docking station. Avoid placing it in enclosed spaces or covering its vents.

- If overheating persists and affects functionality, discontinue use and contact support.

11. WARRANTY

Specific warranty details are not provided in the product information. Please refer to the warranty card included in your package or contact WAVLINK customer support for detailed warranty information.

12. SUPPORT

For technical assistance or customer service, please contact WAVLINK support:

- **Phone:** +1 888 973 0883 (UTC-5, Mon-Fri 9AM-6PM)
- **Email:** Contact@wavlink.com



Image: WAVLINK Customer Support Information.