FALWEDI B0CMH57CQB

FALWEDI USB C Laptop Docking Station User Manual

Model: B0CMH57CQB

1. Introduction

Thank you for choosing the FALWEDI USB C Laptop Docking Station. This 15-in-1 multiport adapter is designed to expand the connectivity of your USB-C enabled laptop, providing triple display output, multiple USB ports, Ethernet, and card reader functionalities. This manual provides detailed instructions for setup, operation, and troubleshooting to ensure you get the most out of your docking station.



Image 1.1: The FALWEDI USB C Laptop Docking Station with its integrated USB-C cable.

2. Product Overview

The FALWEDI 15-in-1 Hyperscale Docking Station offers a comprehensive array of ports to meet diverse connectivity needs. Understanding each port's function is key to maximizing the device's utility.



Image 2.1: Detailed diagram of the 15-in-1 docking station highlighting all available ports and their specifications.

Port Specifications:

- **SD & Micro SD Card Slots:** For simultaneous data transfer from memory cards.
- **RJ45 Ethernet:** Supports 10/100/1000Mbps for stable wired network connection.
- **4K DP (DisplayPort):** For high-resolution display output.
- **4K HDMI 1 & HDMI 2:** Two HDMI ports for connecting external monitors, supporting up to 4K resolution.
- **VGA:** For connecting older monitors or projectors.
- **PD3.0 (Power Delivery):** Up to 100W power input for charging your laptop.
- **USB-A 2.0 (x2):** Standard USB ports for peripherals like keyboards and mice.
- **USB-A 3.0 (x2):** High-speed USB ports for data transfer at 5Gbps.
- **USB-A 3.1 (x1):** Ultra-high-speed USB port for data transfer at 10Gbps.
- **3.5mm Audio & Mic:** Combined audio jack for headphones or speakers with microphone support.
- **USB-C Data:** 10Gbps data transfer for USB-C devices.

- **USB-C Input:** Connects to your laptop's USB-C port.

3. Setup Guide

3.1 Initial Connection

1. Connect the integrated USB-C cable from the docking station to a compatible USB-C port on your laptop.
2. For optimal performance and to ensure all ports function correctly, connect your laptop's original charger to the PD3.0 (Power Delivery) port on the docking station. This provides up to 100W of power to your laptop and the connected devices.



Image 3.1: Illustration of connecting the laptop charger to the docking station's PD3.0 port for fast charging and stable operation.

3.2 USB-C Port Compatibility

It is crucial to confirm the type of USB-C port on your laptop for full functionality. Not all USB-C ports support video output or full data transfer capabilities.

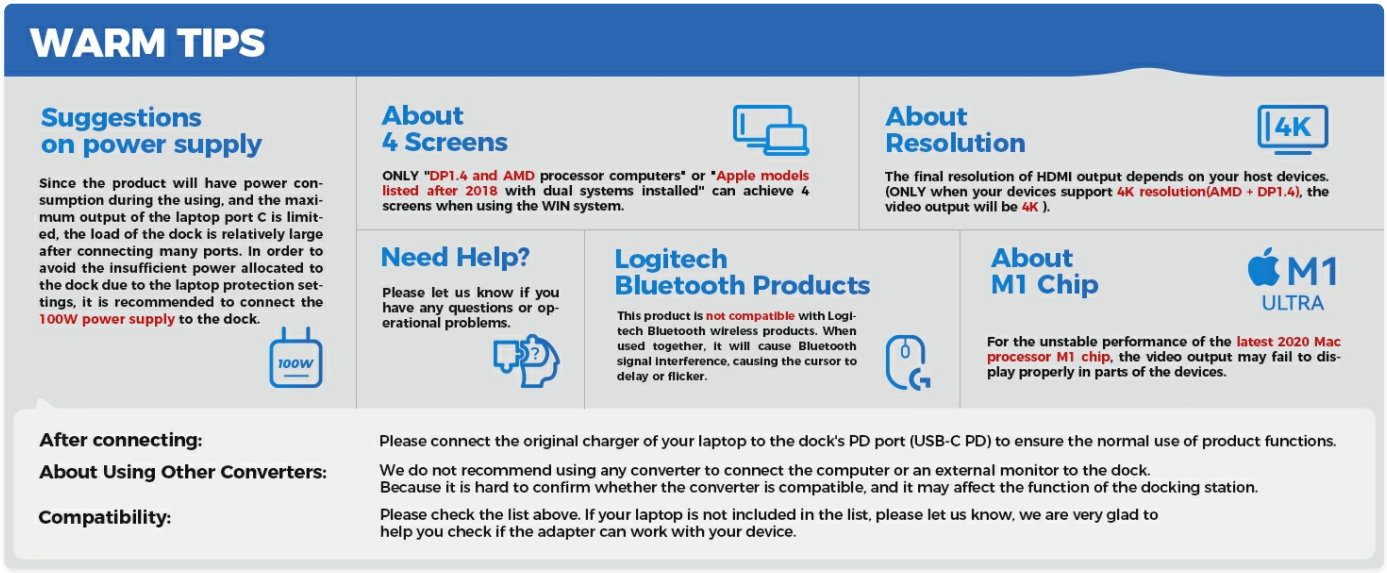


Image 3.2: Guide to identifying compatible USB-C port types on your laptop for full docking station functionality.

- **Type One (Only for charging):** These ports only support power delivery. Only the USB-C female charging port on the hub will function.
- **Type Two (For data transfer):** These ports support data transfer. Only the USB-A, RJ45 Ethernet, and SD/TF Card Reader on the hub will function.
- **Type Three (Fully functional):** These ports support Audio/Mic, PD3.0, USB-A, HDMI, SD/TF, VGA, and Ethernet. All ports on the hub can work only when your laptop has this type of USB-C port (e.g., Thunderbolt 3/4, USB-C 3.1 Gen 2 with DisplayPort Alternate Mode).

4. Operating Instructions

4.1 Display Modes

The docking station supports various display modes for both Windows and macOS systems.

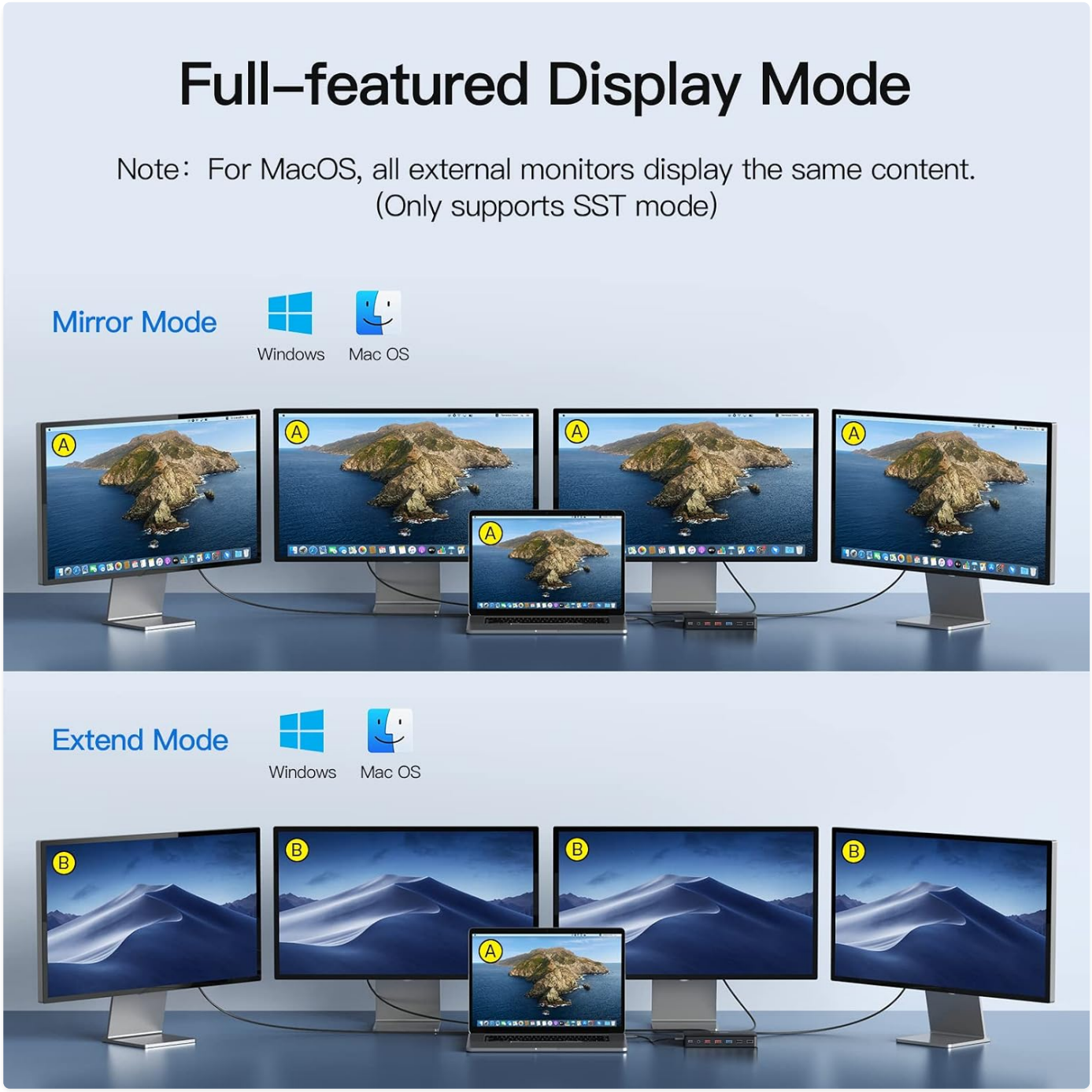


Image 4.1: Illustration of Mirror Mode and Extend Mode for Windows and Mac OS.

- **Mirror Mode:** Displays the same content on all connected external monitors as on your laptop screen. Supported on both Windows and Mac OS.
- **Extend Mode:** Extends your desktop across multiple external monitors, allowing for different content on each screen.

Note for Mac OS: All external monitors will display the same content in Extend Mode (only supports SST mode). Mac OS does not support different content on multiple external monitors through this docking station.

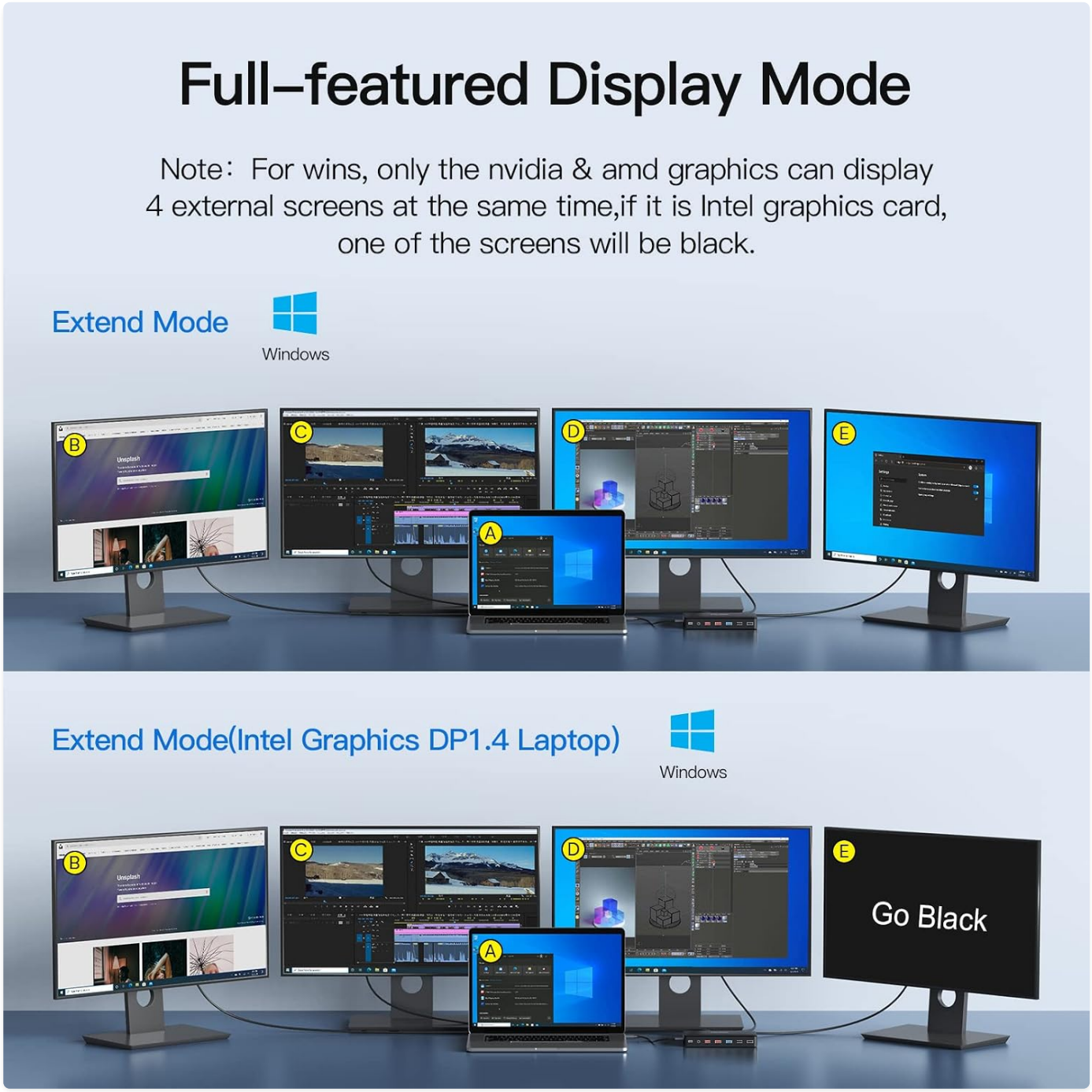


Image 4.2: Windows Extend Mode configurations, including a note on Intel Graphics DP1.4 laptops.

Note for Windows: For NVIDIA & AMD graphics cards, you can display up to 4 external screens simultaneously. If your laptop has an Intel graphics card (especially DP1.4), one of the screens may remain black when attempting to use four external displays.

4.2 Resolution Capabilities

The docking station supports high-definition visual output.



Image 4.3: Visual representation of 4K @ 60Hz display output capability.

For Windows systems, only NVIDIA & AMD graphics cards can output 4K@60Hz. Intel graphics cards typically output 4K@30Hz. The final resolution depends on your host device's capabilities.

4.3 Data Transfer

Experience high-speed data transfer with the various USB ports and card readers.



Image 4.4: Illustration of high-speed data transfer via USB-C/USB 3.1/USB 3.0/USB 2.0 ports and simultaneous SD/TF card usage.

- **USB 3.1 Gen 2:** Supports up to 10Gbps data transfer rate.
- **USB 3.0:** Supports up to 5Gbps data transfer rate.
- **SD/TF Card Slots:** SD and TF cards can be used simultaneously for efficient file management. Supported card types include SDXC, SDHC, SD, MMC, and RS-MMC.

5. Compatibility

5.1 Broad Compatibility

The FALWEDI docking station is designed for broad compatibility with various laptop brands and operating systems, provided the laptop's USB-C port supports full functionality (DisplayPort Alternate Mode and Power Delivery).

Supported Operating Systems: Windows, Mac OS X 10.6 or later, Chrome OS, Linux 2.6.14 or later.

5.2 Compatible Devices (Partial List)

This is a partial list of compatible devices. Please ensure your laptop's USB-C port meets the prerequisite for a full-featured Type C port.

- **Lenovo:** Yoga (900/910/920/930/940/C740/C930), IdeaPad Chromebook Flex 5, ThinkPad (P72/E590/T470s/T480s/T490s)
- **Dell:** Latitude (5310/5400/5480/5490), Inspiron (14 or 15 7000 series 2-in-1), XPS (9380/13-9300/13-9365), Precision (7520/7730/7750)
- **HP:** Spectre (X369/13T-AK000CTO/13T-AF001TU), Elitebook (800 G4/840 G5 series/850 C5/745/830 C6/X2), Zbook/Probook
- **Asus:** Zenbook (Flip Q529ZA/UX435/UX433FA/UX425EA/S-UX390), Rog GX501
- **Samsung:** Note (20/10/9/8+), Galaxy (S20 ultra/S10+/S10/S9/S8+/Tablet S5e/Tablet New S7/Chromebook/Flex alpha 2-in-1)
- **Huawei:** MateBook (X Pro/E/X/Mate 10/Mate 10Pro/Mate 20/Mate 20 Pro/Mate 30/Mate 30 Pro/P20/P20 Pro/P30 Pro)
- **Acer:** Aspire 5/Aspire C24-865/Swift 1/Swift 3/Swift 7/Swift X/SPIN 5/SPIN 7/Predator Helios 300
- **Google Chromebook:** Pixel 2016/Pixel 2017/C340-15
- **Microsoft Surface:** Book 2/Go-1943/Laptop 3/Laptop 4/Pro 8/Pro 7

5.3 Incompatibility (Partial List)

The following devices or types of devices are generally not compatible or may have limited functionality with this docking station:

- MacBook Air (before 2018)/MacBook Pro 2015/iMac 2021
- Asus Vivobook series (Q547/Q503U/Q526F/L203MA), TUF 17.3 Gaming Laptop
- Asus Zenbook: UX333FN/UX330UA-AH55/Flip 14 UX463FL, Flip 14 UX461FN-DH74T/Q407I
- Acer Aspire: E5-575/R5-571T/E5-576G/R15/G3-571, Predator Helios 300/Swift X 14
- MSI: GI65/GF63/GF65 THIN 9SD-252/GERVR 7RF Apache Pro, GS73VR 7RG Stealth Pro/GE73 Raider RGB 8RF
- Microsoft: Surface Pro 3/Surface Pro 4/Surface Pro 6/Book 3
- HP Spectre: X360 13/14/15T
- HP Elitebook: 840 G3/840 G4/820 G4/745 C6/800 G2, Probook 600/640/650 G2/Folio 1020 B&O
- HP: Earlier Pavilion series/340S G7/Envy 15/EVGA SC15/7265NGW
- Dell Inspiron: 17-5000 series/15-5000 series/14-5410, 15-3000/15-3583/17-3793 Business
- Dell Latitude: E7270/E7470/E7440/E7450/3520
- Lenovo: V330/T570/Y520/Yoga 520/Yoga 710
- Lenovo ThinkPad: L490/E580
- Lenovo IdeaPad: 3/5/330/L340/S340/I30S/Flex-15IWL, Flex-14"/Flex-6 14IKB
- Other: High-power equipment/USB Super Drive/CD/DVD player.

6. Troubleshooting & Warm Tips

This section provides solutions to common issues and important tips for optimal use.

6.1 Power Supply Suggestions

Since the product will have power consumption during use, and the maximum output of the laptop's USB-C port is limited, the load on the dock is relatively large after connecting many ports. To avoid insufficient power allocated to the dock due to laptop protection settings, it is recommended to connect a 100W power supply to the dock's PD port.

6.2 Display Issues

- **About 4 Screens:** Only DP1.4 and AMD processor computers or Apple models listed after 2018 with dual systems installed can achieve 4 screen output when using the Windows system.
- **About Resolution:** The final resolution of HDMI output depends on your host device's capabilities. Only when your devices support 4K resolution (AMD + DP1.4), the video output will be 4K.
- **About M1 Chip:** For the unstable performance of the latest 2020 Mac processor M1 chip, the video output may fail to display properly in parts of the devices.

6.3 General Tips

- **After connecting:** Please connect the original charger of your laptop to the dock's PD port (USB-C PD) to ensure the normal use of product functions.
- **About Using Other Converters:** We do not recommend using any converter to connect the computer or an external monitor to the dock. It is hard to confirm whether the converter is compatible, and it may affect the function of the docking station.
- **Logitech Bluetooth Products:** This product is not compatible with Logitech Bluetooth wireless products. When used together, it will cause Bluetooth signal interference, causing the cursor to delay or flicker.
- **Need Help?:** If you have any questions or operational problems, please contact FALWEDI customer support.

7. Specifications

Feature	Specification
Brand	FALWEDI
Model	B0CMH57CQB
Package Dimensions	8.3 x 4.7 x 2.5 inches
Item Weight	12 ounces
Hardware Interface	HDMI, DisplayPort, VGA, USB-A, USB-C, RJ45, SD/TF, 3.5mm Audio
Compatible Devices	Laptops with full-featured USB-C ports
Total USB Ports	7 (2x USB 2.0, 2x USB 3.0, 1x USB 3.1, 1x USB-C Data, 1x USB-C Host)
Data Transfer Rate	Up to 10 Gbps (USB 3.1)
Power Delivery	Up to 100W via PD3.0 port
Ethernet	10/100/1000Mbps
Date First Available	October 17, 2022

8. Warranty and Support

FALWEDI products come with a standard manufacturer's warranty. For specific warranty details, technical support, or any inquiries regarding your docking station, please refer to the product packaging or contact FALWEDI customer service directly through their official website or the platform where the product was purchased. Please have your model number (B0CMH57CQB) and purchase information ready when contacting support.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question