ZMUIPNG ZM039

ZMUIPNG 14-in-1 USB C Docking Station User Manual

MODEL: **ZM039**

Brand: ZMUIPNG

1. INTRODUCTION

This manual provides detailed instructions for the ZMUIPNG 14-in-1 USB C Docking Station (Model ZM039). This versatile docking station expands your laptop's connectivity, offering multiple display outputs, high-speed data transfer ports, power delivery, and network capabilities. Please read this manual thoroughly before use to ensure proper setup and operation.
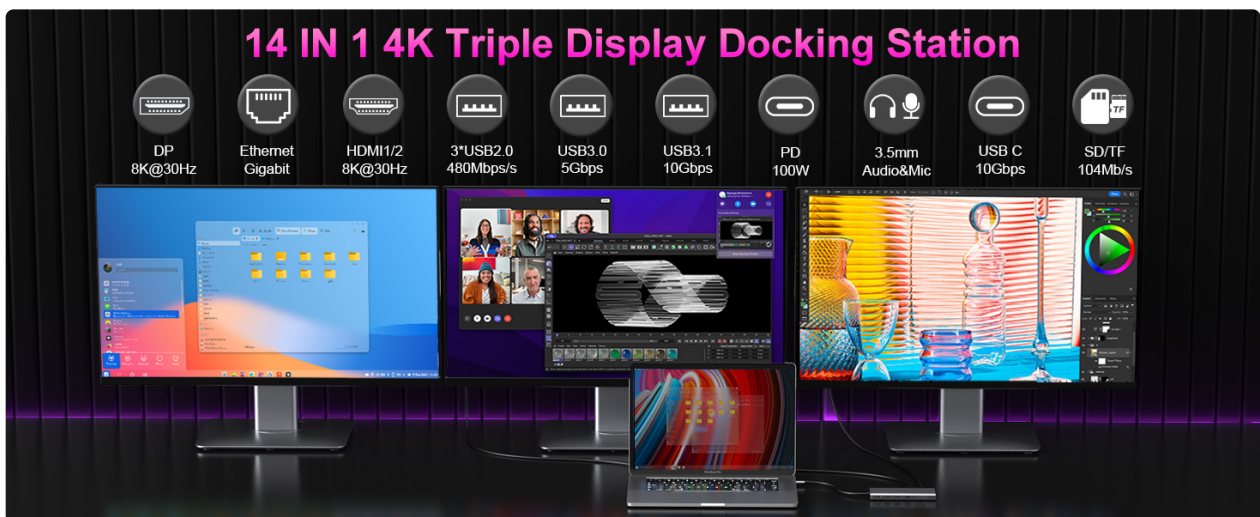

Image 1.1: Overview of the ZMUIPNG 14-in-1 USB C Docking Station with its various functionalities.

2. PRODUCT FEATURES AND PORT LAYOUT

The ZMUIPNG 14-in-1 USB C Docking Station offers a comprehensive set of ports to enhance your productivity:

- **Display Outputs:** 2 x HDMI (up to 8K@30Hz when connected separately), 1 x DisplayPort (up to

8K@30Hz when connected separately). Supports triple 4K display.

- **USB Data Ports:** 1 x USB C (10Gbps), 1 x USB 3.1 (10Gbps), 1 x USB 3.0 (5Gbps), 2 x USB 2.0 (480Mbps).
- **Power Delivery:** 1 x USB C PD (up to 100W input, 87W safe output to laptop).
- **Network:** 1 x Gigabit Ethernet (RJ45) port (10/100/1000BASE-T).
- **Card Readers:** 1 x SD Card Slot, 1 x TF Card Slot (up to 104Mbps).
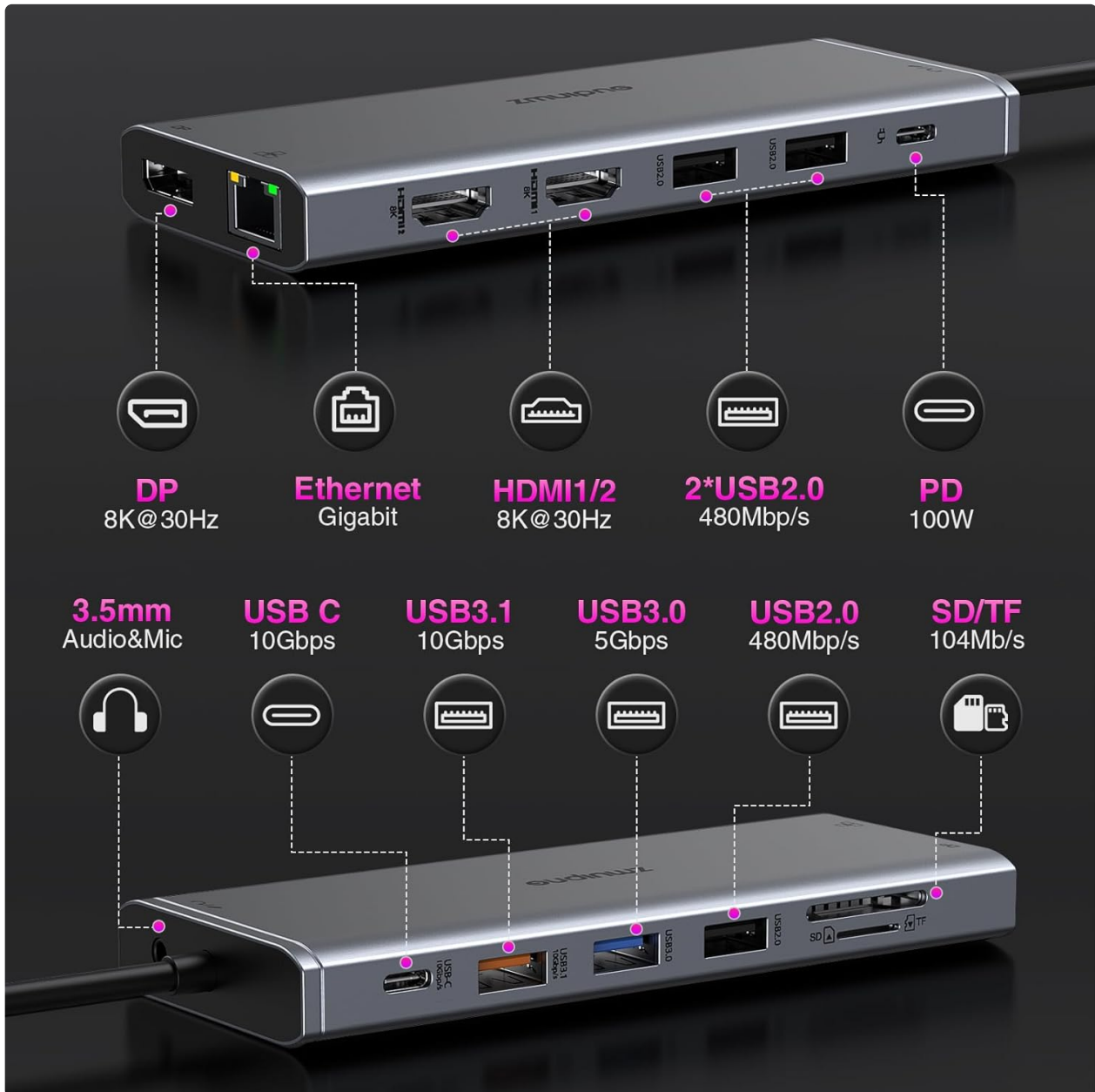- **Audio:** 1 x 3.5mm Audio/Mic 2-in-1 Jack.

Image 2.1: Detailed port layout and specifications of the docking station.

3. SETUP INSTRUCTIONS

1. **Verify Laptop USB-C Port:** Ensure your laptop's USB-C port supports DisplayPort Alternate Mode (Alt Mode) for video output and Power Delivery for charging. Ports that only support data transfer or charging will not provide full functionality. Refer to Image 3.1 for visual guidance.

2. **Connect Power Adapter (Optional but Recommended):** For stable operation and laptop charging, connect your laptop's original USB-C power adapter (up to 100W) to the PD USB-C port on the docking station. *Note: Power cord and power charger are not included.*

3. **Connect to Laptop:** Plug the integrated USB-C cable from the docking station into your laptop's compatible USB-C port.

4. **Connect Displays:** Connect your monitors to the HDMI and/or DisplayPort outputs on the docking station using appropriate cables.

5. **Connect Peripherals:** Plug in your USB devices (keyboard, mouse, external drives), Ethernet cable, SD/TF cards, and audio devices as needed.

6. **Driver Installation:** The docking station is generally plug-and-play and does not require additional drivers for most operating systems. If you encounter issues, ensure your laptop's graphics drivers and USB-C port drivers are up to date.

⚠ **Important Note: Please confirm which type of USB C port on your laptop is.**

Please make sure your laptop supports DisplayPort Alternate Mode

✅ Thunderbolt 3 Full Function	✅ Support Data+ Displayport Alt	✅ Data+PD Displayport alt	✅ Data Video Output	✅ Data+ Displayport Alt

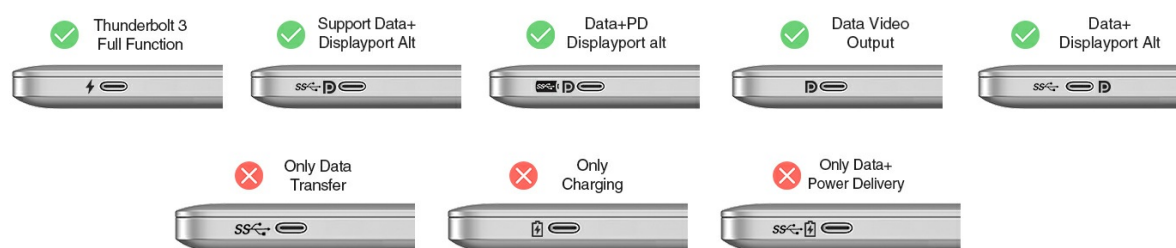| ❌ Only Data Transfer	❌ Only Charging	❌ Only Data+ Power Delivery

Image 3.1: Important Note on USB-C Port Compatibility. Ensure your laptop's USB-C port supports DisplayPort Alternate Mode.

4. OPERATING INSTRUCTIONS

4.1 Display Configuration

The docking station supports various display configurations depending on your operating system.

For Windows Systems:

Windows systems support both MST (Multi-Stream Transport) and SST (Single-Stream Transport) modes, allowing for extended and mirrored displays across multiple monitors.

- **Dual Display:** Connect two monitors via DP+HDMI1 or HDMI1+HDMI2 for 4K@60Hz on each.
- **Triple Display:** Connect three monitors via HDMI1+HDMI2+DP for 4K@30Hz on each.

8K/120Hz UHD Resolution

When only one monitor is connected, it will achieve **8K@30Hz / 4K120Hz**

8K Ultra HD

Image 4.1: Windows laptop configured for triple 4K display using the docking station.

Multiple Displays for Mac OS

Dual Display

Mac OS Does Not Support Triple Display

DP+HDMI:4K@60Hz+4K@60Hz

HDMI1+HDMI2:4K@60Hz+4K@60Hz

DP1.4

DP1.4

DP1.4

Image 4.2: Multiple Display configurations for Windows.

For Mac OS Systems:

Mac OS only supports SST (Single-Stream Transport) mode. This means that while you can connect multiple

external monitors, they will all display the same extended content, or mirror your laptop's display. Mac OS does not support triple extended displays.

- **Dual Display:** Connect two monitors via DP+HDMI1 or HDMI1+HDMI2 for 4K@60Hz on each. Both external monitors will show the same extended desktop.
- **Triple Display:** Connecting three monitors will result in all three external monitors displaying the same content, or mirroring the laptop. True triple extended display is not supported.
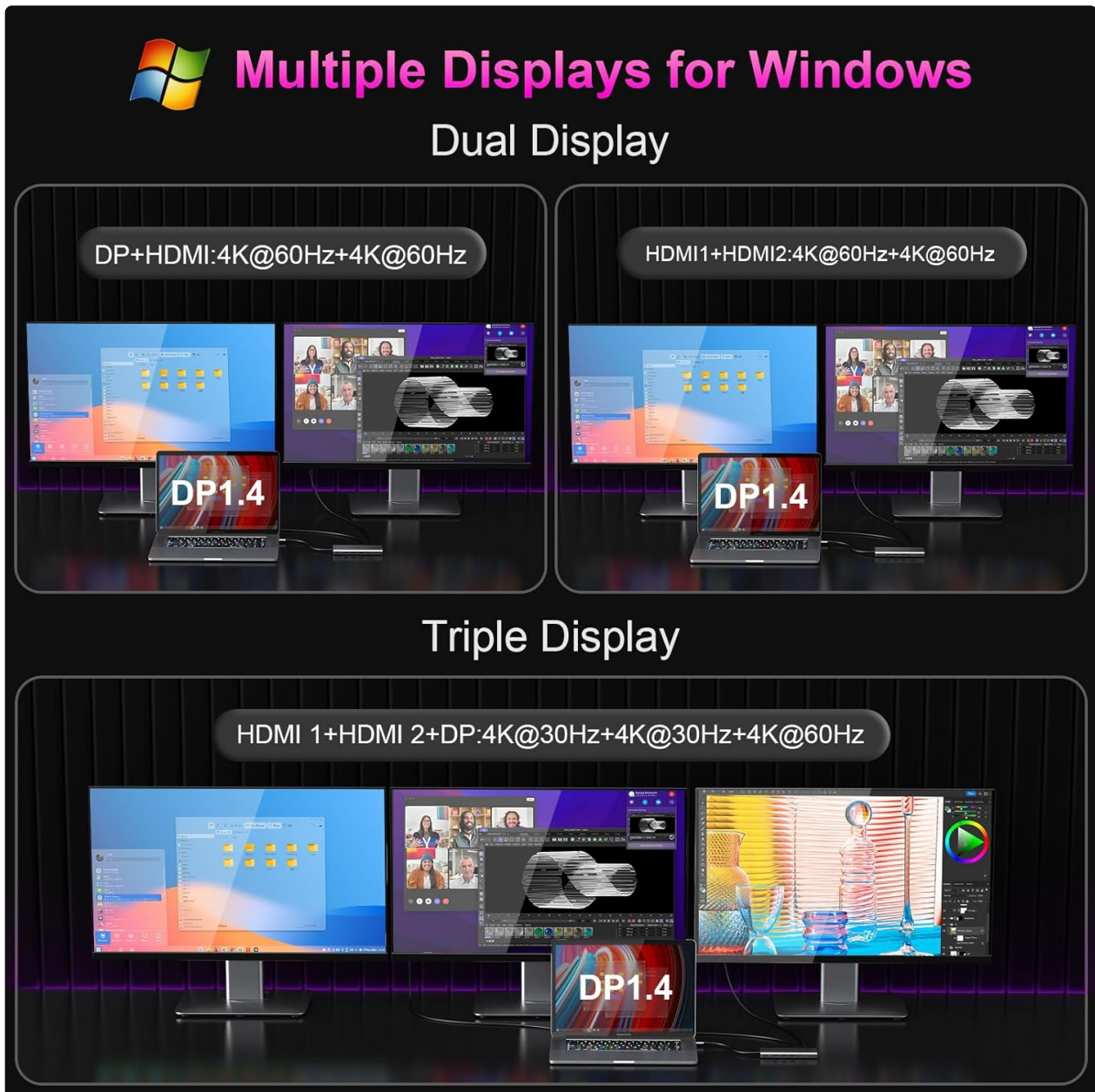

Image 4.3: Mac OS laptop connected to multiple displays, illustrating the lack of triple extended display support.

Multiple Displays for Windows

Dual Display

DP+HDMI:4K@60Hz+4K@60Hz

HDMI1+HDMI2:4K@60Hz+4K@60Hz

DP1.4

DP1.4

Triple Display

HDMI 1+HDMI 2+DP:4K@30Hz+4K@30Hz+4K@60Hz

DP1.4

Image 4.4: Multiple Display configurations for Mac OS, highlighting the limitation.

8K/4K High Resolution Display:

When only one monitor is connected to either the DisplayPort or one of the HDMI ports, the docking station can deliver an ultra-high definition resolution of 8K@30Hz or 4K@120Hz. This provides an immersive visual experience for movies and gaming.

4K Triple Display Docking Station
DP+HDMI1+HDMI2

4K

4K

4K

Image 4.6: 8K/120Hz UHD Resolution capability.

4.2 Data Transfer

Utilize the various USB ports and card readers for high-speed data transfer:

- **USB 3.1 & USB C (10Gbps):** Ideal for connecting high-speed external SSDs or other demanding peripherals.
- **USB 3.0 (5Gbps):** Suitable for external hard drives, flash drives, and other standard USB 3.0 devices.
- **USB 2.0 (480Mbps):** Best for connecting low-bandwidth devices like keyboards, mice, and printers to avoid interference with high-speed data transfers.
- **SD/TF Card Reader (104Mbps):** Quickly transfer photos and videos from your camera's memory cards.

Image 4.7: USB 3.1 (10Gbps) and USB 3.0 (5Gbps) data transfer speeds.

Image 4.8: SD/TF card reader and 3.5mm Audio/Mic port.

4.3 Power Delivery

The dedicated USB C PD port supports up to 100W power input, providing up to 87W safe power output to charge your connected laptop. This allows you to power your laptop and all connected peripherals through a single USB-C connection to the docking station.

Image 4.9: 100W Power Delivery charging feature.

4.4 Gigabit Ethernet

Connect an Ethernet cable to the RJ45 port for a stable and high-speed wired network connection, supporting 10/100/1000BASE-T LAN networks. This is ideal for situations where Wi-Fi is unreliable or slower.

Image 4.10: Gigabit Ethernet port for stable network connection.

5. COMPATIBILITY

This docking station is designed to work with laptops that have a full-function USB-C port (supporting Thunderbolt 3/4, USB-C 3.1 Gen 2 / USB-C 3.2 Gen 2 with DisplayPort Alt Mode and Power Delivery). Below is a partial list of compatible and incompatible devices. If your device is not listed, please verify its USB-C port capabilities.

Compatibility List (Not full List)

Please Note:	This usb c dock can work with the Laptop has thunderbolt 3 / 4 /USB-C 3.1 Gen 2 / USB-C 3.2 Gen 2. If you are not sure which features are supported by the us-c port on your laptop, please free to check with us.
Hp Laptops:	HP Elitebook 830 840 G5/G6/G7/G8/ Elitebook X2/Elitebook x360 1030 G3/ Elitebook 745 G6/ 2018 HP Elite 800 G4; HP ENVY x360 13-bf0797nr/15t-ew100/15z-ds100/Geforce mx250/17t-cr100, 17.3; HP Pavilion 15t-eg300/15t-eg200/15-eh2097nr/14t-eh000/HP Pavilion Aero 13z-be200/13-be2047nr/ 13-be1097nr;HP Zbook 15u G3/ Zbook 17 G4
Dell Laptops:	Dell XPS 13/XPS 13 Plus/XPS 15/XPS 17/XPS 9380/ XPS 13 9365/ XPS 15 2018/ XPS 13 9300/ New XPS 15; Dell Latitude 3140/3440/3540/5340/5540/7330/7340/7230/7280/ 7640/9430/Latitude 9440 2-in-1/5310 2-in-1/ Inspiron 14 3420/5420/5425/5430/7420/7425/7430/7435; Dell Inspiron 15 5620/5625//5635/5630/7620/7630; Dell Precision
Lenovo Laptops:	Lenovo Yoga 370/ Yoga 720-13IKB/ Yoga 730/ Yoga 900-13ISK/ Yoga 910/ Yoga 920/ Yoga 930/ Yoga 940-14IIL / 3rd generation Thinkpad Yoga / Yoga15 Ultrabook Pro / Yoga C930/ Yoga c940/ Yoga C740-15IML/ Yoga 7i; Ideapad 720S/ Ideapad S540/ Ideapad 5 81yk006xus, Lenovo C930/ T480s/ X390; ThinkPad X13 Gen 2/Gen 3/Gen 4
Surface Laptops:	Surface Pro X ,Surface Book 2,Surface Pro 7/7+/8, Surface Laptop 3 - 13 inch/15 inch,Surface Book 3 - 13.5 inch/15 inch,Surface Go /Go 2,Surface Laptop Go,Surface Laptop 4 - 13.5 inch/15 inch ,Surface ,Microsoft Surface Pro X (Wi-Fi) ,Microsoft Surface Pro 8 ,Microsoft Surface Go 3 ,Microsoft Surface Laptop Studio
OTHER Laptops:	Google Slate (2019); Chromebook C340-15; SanDisk Cruise Glide; Razer Blade 2017 (gtx 1060); Pixel book go 2019/2020; Acer nitro 5,Acer chromebook model CB515-1HT-C2AE, Acer Aspire E15/ Aspire A315-23/Aspire A315-24P/Aspire A315-510P/Aspire A315-58/Aspire A315-58G/Aspire A315-59/Aspire A315-59G/Aspire A317-55P/Aspire A515-47/Aspire
Apple Laptops:	MacBook/ MacBook Pro (2020/2019/2018/2017/2016); Macbook Air 2018/2019/2020, Mac mini 2018/2019/2020; iPad Pro 2018; iMac 27
Not Compatible List:	HP Elitebook 840 G3/745 G4/820 G3/828 G4/HP Probook 650 G2 / 455 G4 / 430 G5; Dell Inspiron 15 3520/3511/3525/5379; Dell Latitude 3390/5510; Dell Chromebook 5190; Vostro 3520/Vostro 342; Lenovo IdeaPad Flex 5/330S/S340/ Lenovo Yoga Flex 5, lenovo legion y540,Lenovo Tab 4/Yoga 6/ThinkPad T14s/ L13/L14/L15 Gen 2

Compatible Devices (Partial List):

- **HP Laptops:** Elitebook 830 840 G5/G6/G7/G8, Elitebook X2/Elitebook x360 1030 G3, Elitebook 745, ENVY x360, Pavilion 15, etc.
- **Dell Laptops:** XPS 13/15/17, Latitude 3140/3440/3540/5340/5540/7330/7340/7230/7440/7280/7640/9430, Inspiron 15, Precision.
- **Lenovo Laptops:** Yoga 370/720/730/900/910/920/930, Thinkpad Yoga, IdeaPad 5/7/9, etc.
- **Surface Laptops:** Surface Pro X, Surface Book 2/3, Surface Laptop 3, Surface Go 2, Microsoft Surface Pro 8, etc.
- **Apple Laptops:** MacBook/MacBook Pro (2018-2020), MacBook Air (2018-2020), Mac mini (2018/2020), iPad Pro 2018, iMac 27.

Not Compatible Devices (Partial List):

- HP Elitebook 840 G3/G4, Probook 650 G2/G5, Dell Inspiron 15 3520/3511/3525/3579, Dell Latitude 3390/3510, Dell Chromebook 5190, Vostro 3520/3520 342, Lenovo IdeaPad Flex 5330S/83040, Lenovo Yoga Flex 5, Lenovo legion y540, Lenovo Tab 4/Yoga 6/ThinkPad T14s/T13/L14/L15 Gen 2.

6. TROUBLESHOOTING

If you encounter issues with your docking station, please refer to the following common problems and solutions:

- **No Display Output:**

  - Ensure your laptop's USB-C port supports DisplayPort Alt Mode (refer to Section 3.1).
  - Check all display cables (HDMI/DP) are securely connected to both the docking station and the monitors.
  - Verify that your monitors are set to the correct input source.
  - Try connecting only one monitor to isolate the issue.
  - Update your laptop's graphics drivers.

- **Intermittent HDMI/DisplayPort Connection:**

  - Ensure all cables are firmly seated.
  - Disconnect and reconnect the monitor cable, and sometimes the docking station's power, to reset the connection.
  - Test with different HDMI/DP cables if possible.
  - Ensure your laptop is receiving sufficient power via the PD port.

- **Laptop Not Charging:**

  - Ensure your laptop's original power adapter is connected to the PD USB-C port on the docking station.
  - Verify your laptop's USB-C port supports Power Delivery.
  - Check the power adapter and cable for damage.

- **USB Devices Not Recognized or Slow Data Transfer:**

  - Reconnect the USB device.
  - Try a different USB port on the docking station.

- Ensure the device is compatible with the USB standard of the port (e.g., USB 3.0 device in a USB 3.0 port).
- For optimal performance, avoid connecting high-power devices to multiple USB ports simultaneously without external power to the docking station.

- **No Ethernet Connection:**

  - 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.

7. SPECIFICATIONS

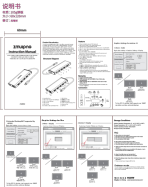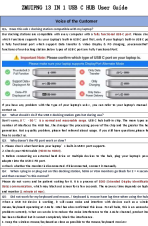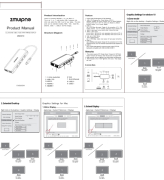| Feature	Specification
Product Dimensions	2.56 x 5.31 x 0.59 inches
Item Weight	2.82 ounces
ASIN	B0CCV69MHS
Item Model Number	ZM039
Brand	ZMUIPNG
Color	14 IN 1 USB C Dock
Hardware Interface	DisplayPort, HDMI, USB-C, USB-A, RJ45, SD/TF, 3.5mm Audio
Special Feature	Plug and Play, Triple Display, 100W Power Delivery, Gigabit Ethernet

8. MAINTENANCE

To ensure the longevity and optimal performance of your ZMUIPNG 14-in-1 USB C Docking Station, please follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the exterior of the docking station. Avoid using liquid cleaners, aerosols, or solvents.
- **Storage:** Store the docking station in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping or subjecting the device to strong impacts. Do not attempt to disassemble or modify the docking station, as this will void the warranty and may cause damage.
- **Cable Management:** Ensure cables are not excessively bent or strained, which can lead to damage over time.
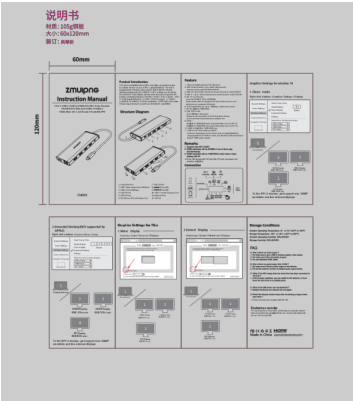
9. WARRANTY AND SUPPORT

ZMUIPNG products are designed for reliability and performance. For any issues not covered in this manual, or for warranty inquiries, please contact ZMUIPNG customer support. Details for contacting support are typically found on the product packaging or the official ZMUIPNG website. Please retain your proof of purchase for warranty claims.

Related Documents

ZMUIPNG XJ038 14-in-1 USB-C Hub Instruction Manual
This document is the instruction manual for the ZMUIPNG XJ038 14-in-1 USB-C Hub. It details the product's features, specifications, connection diagram, and provides guidance on graphics settings for Windows 10 and macOS, storage conditions, and frequently asked questions. The hub offers expanded connectivity for laptops, including multiple display outputs (HDMI, DP), USB ports, Ethernet, and card readers.

ZMUIPNG 13-in-1 USB C Hub User Guide and Troubleshooting
A comprehensive user guide for the ZMUIPNG 13-in-1 USB C Hub, detailing compatibility, troubleshooting common issues like heat and connectivity, and explaining display resolution capabilities for both Windows and Mac operating systems.

ZMUIPNG ZM3310 USB-C Hub with Triple Display: User Manual
User manual for the ZMUIPNG ZM3310, an 11-in-1 USB-C extension hub featuring triple display support (HDMI, VGA), Ethernet, USB 3.1, USB 2.0, and PD charging.

Documents - ZMUIPNG – ZM039

ZMUIPNG XJ038 14-in-1 USB-C Hub Instruction Manual
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