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> [MOKiN USB C Docking Station 13-in-1 Triple Display Hub \(Model MUC0219US\) Instruction Manual](#)

## MOKiN MUC0219US

# MOKiN USB C Docking Station 13-in-1 Triple Display Hub

Model: MUC0219US

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## 1. INTRODUCTION

The MOKiN USB C Docking Station (Model MUC0219US) is a versatile 13-in-1 hub designed to expand the connectivity of your USB-C enabled laptop. This device allows for triple display output on Windows systems, high-speed data transfer, fast power charging, and reliable network connectivity, making it suitable for various computing environments. This manual provides detailed instructions for setting up, operating, and maintaining your docking station to ensure optimal performance.

## 2. PRODUCT FEATURES

- **13-in-1 Connectivity:** Expands your laptop's capabilities with 2x 4K HDMI ports, 1x DisplayPort (DP), 1x Gigabit Ethernet port, 1x 3.5mm Audio port, 1x USB-C Power Delivery (PD) port, 1x SD card reader, 1x TF card reader, 3x USB 3.0 ports, and 2x USB 2.0 ports.
- **Triple Display Support (Windows Only):** Supports triple display configurations on Windows systems. Under Extended Mode, you can achieve four multiple displays (2x HDMI, 1x DP, and laptop screen). For Collage Mode, it supports triple display (1x HDMI, 1x HDMI+DP, and laptop screen). *Note: Mac OS does not support triple display.*
- **Reliable Data Syncing:** Features 3x USB 3.0 ports for 5Gbps high-speed data transfer and 2x USB 2.0 ports for broader compatibility.
- **Gigabit Ethernet:** Provides a stable and fast 1000Mbps Gigabit RJ45 Ethernet connection.
- **SD/TF Card Readers:** Built-in SD and TF slots allow simultaneous access to files from both standard SD and Micro SD memory cards.
- **Fast Power Charging:** The USB-C PD charging port supports up to 100W power input, delivering up to 87W for charging your Type-C devices or MacBook. Ensure your device supports the PD protocol.
- **Audio Connectivity:** Includes a 3.5mm audio port for connecting speakers or a microphone.
- **Plug and Play:** No additional drivers are required for most functions, ensuring ease of use.

## 3. COMPATIBILITY REQUIREMENTS

To ensure full functionality of the MOKiN USB C Docking Station, your laptop's USB-C port must support data transfer, display output (Display Alt Mode), and charging (Power Delivery). Please verify your laptop's USB-C port capabilities before use.

Compatible with laptops featuring Thunderbolt 3 port or USB 3.1 Type C Gen2 port. Examples include Dell XPS13/15, Lenovo Yoga 720/910/920/930, Microsoft Surface Book 2/Surface Go/Surface Laptop 3, Dell Latitude 13 7000/Latitude 13 E7370, and many other Type-C laptops.



Figure 1: USB-C Port Compatibility Guide. Ensure your laptop's USB-C port supports Full Function (Data Transfer + Display Alt + Charging) or Thunderbolt 3 for optimal performance.

## 4. SETUP GUIDE

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Follow these steps to set up your MOKiN USB C Docking Station:

1. **Connect the Docking Station to your Laptop:** Plug the integrated USB-C cable from the docking station into a compatible USB-C port on your laptop.
2. **Connect Power (Optional but Recommended):** For stable operation and charging your laptop, connect a USB-C Power Delivery charger to the PD port on the docking station.
3. **Connect External Displays:**
  - For HDMI displays, connect HDMI cables from your monitors to the HDMI ports on the docking station.
  - For DisplayPort displays, connect a DP cable from your monitor to the DP port on the docking station.
4. **Connect Peripherals:** Plug in your USB devices (keyboard, mouse, external hard drives, etc.) into the available USB 3.0 and USB 2.0 ports.
5. **Connect Network Cable:** For a wired internet connection, plug an Ethernet cable into the RJ45 Gigabit Ethernet port.
6. **Connect Audio Devices:** If desired, connect headphones or speakers to the 3.5mm audio jack.
7. **Insert SD/TF Cards:** If needed, insert your SD or TF memory cards into the corresponding slots.



Figure 2: Overview of the MOKiN 13-in-1 USB C Docking Station with labeled ports.



Figure 3: Power Delivery and High-Speed Data Transfer via USB 3.0 ports.



Figure 4: Gigabit Ethernet and SD/TF Card Reader functionality.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Windows Display Configuration

For Windows operating systems, the docking station supports various display modes including Mirror Mode and Extend Mode across multiple monitors.

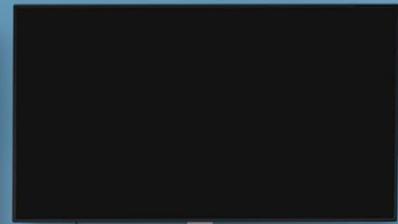
1. Connect your external monitors to the HDMI and/or DisplayPort outputs on the docking station.
2. Right-click on your desktop and select "Display settings" or navigate to **Settings > System > Display**.
3. Under "Multiple displays", you can detect and arrange your monitors.
4. Select each display (1, 2, 3, etc.) and choose your preferred display option:
  - **Duplicate these displays:** Shows the same content on all connected screens.
  - **Extend these displays:** Expands your desktop across all connected screens, allowing for more workspace.
  - **Show only on 1/2/3:** Uses only the selected display.
5. Adjust resolution and orientation (Landscape/Portrait) as needed for each display. For optimal performance, ensure refresh rates are set correctly (e.g., 60Hz for 4K displays if supported by your laptop and monitor).



# Windows triple display

HDMI1:1920P\*1080/60Hz

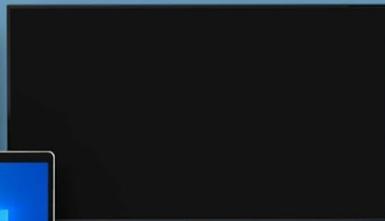
HDMI2:1920P\*1080/30Hz



1 PC+HDMI1+HDMI2

HDMI1:1920P\*1080/30Hz

DP:1920P\*1080/60Hz



2 PC+HDMI1+DP

HDMI1:1920P\*1080/60Hz

HDMI2:1920P\*1080/30Hz

DP:1920P\*1080/60Hz



(only when source is DP 1.4)

3 PC+HDMI1+HDMI2+DP

Figure 5: Windows Triple Display Modes.

Your browser does not support the video tag.

Video 1: PC Connection Docking Station Tutorial. This video demonstrates how to configure display settings on a Windows PC using the docking station.

## 5.2 Mac OS Display Configuration

Mac OS supports Mirror Mode and Extended Display Mode with the docking station. However, Mac OS does **not** support Multi-Stream Transport (MST) for triple independent displays. Therefore, all external monitors will mirror each other or extend as a single combined display.

1. Connect your external monitors to the HDMI and/or DisplayPort outputs on the docking station.
2. Go to **System Settings > Displays**.
3. You will see your built-in display and the connected external display(s).
4. To extend your desktop, ensure "Extended display" is selected. To mirror your display, select "Mirror for Built-in Display".

5. Adjust resolution and refresh rate as needed. Note that refresh rates for 4K displays on Mac OS might be limited to 30Hz depending on the specific Mac model and port capabilities.



Figure 6: Mac OS Display Modes.



## for macOS with DP1.4

Note: macOS does not support Multi-Stream Transport(MST)

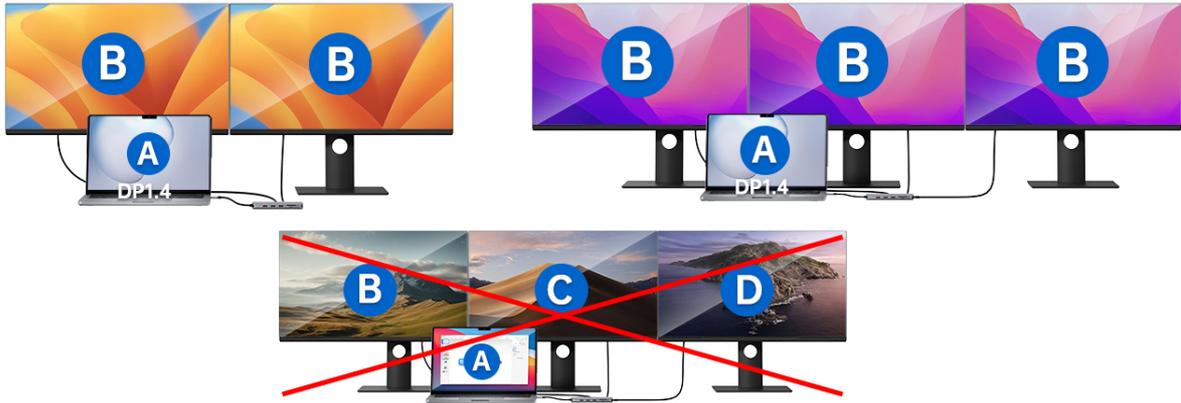


Figure 7: Mac OS Display Limitations with DP1.4.

## 6. SPECIFICATIONS

Feature	Detail
Model Number	MUC0219US
Product Dimensions	7 x 3 x 0.6 inches
Item Weight	3.87 ounces
Hardware Interface	USB Type C
Video Output	2x HDMI (4K), 1x DisplayPort (DP)
USB Ports	3x USB 3.0, 2x USB 2.0
Ethernet	Gigabit RJ45 (10/100/1000Mbps)
Card Readers	SD, TF (supports simultaneous reading)
Audio Port	3.5mm Audio/Mic
Power Delivery	USB-C PD (100W input, 87W output)
Special Feature	Plug and Play
Manufacturer	MOKiN

## 7. TROUBLESHOOTING

### • No Display Output:

- Ensure your laptop's USB-C port supports Display Alt Mode. Refer to the "Compatibility Requirements" section.
- Check all cable connections (USB-C to laptop, HDMI/DP to monitors).
- Verify display settings on your operating system (Windows/Mac OS) to ensure monitors are detected and configured for "Extend" or "Duplicate" mode.

- Try restarting your laptop and reconnecting the docking station.
- Ensure external monitors are powered on and set to the correct input source.
- **Intermittent Display Blackouts:**
  - This can sometimes occur after screen time-outs or sleep mode. Try unplugging and replugging the cables in sequence: 1. Laptop to Hub, 2. Power to Hub (if applicable), 3. HDMI/DP to Hub.
  - Ensure all cables are securely connected.
  - Check for updated graphics drivers for your laptop.
- **No Power Delivery/Charging:**
  - Ensure your laptop's USB-C port supports Power Delivery.
  - Verify that the power adapter connected to the docking station's PD port is functional and provides sufficient wattage (up to 100W input).
  - Check the USB-C cable connecting the power adapter to the docking station.
- **USB Devices Not Recognized:**
  - Ensure the docking station is securely connected to your laptop.
  - Try connecting the USB device directly to your laptop to confirm it's functional.
  - If using a high-power USB device, ensure the docking station is connected to an external power source.
- **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 internet service is active.

## 8. MAINTENANCE

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To ensure the longevity and optimal performance of your MOKiN USB C Docking Station, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the docking station. Avoid liquid cleaners or abrasive materials.
- **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 bend or pull the integrated USB-C cable excessively.
- **Ventilation:** Ensure the docking station has adequate ventilation to prevent overheating, especially during prolonged use with multiple connected devices.

## 9. WARRANTY AND SUPPORT

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For warranty information, technical support, or further assistance with your MOKiN USB C Docking Station, please refer to the official MOKiN website or contact MOKiN customer service directly. Contact details can typically be found on the product packaging or the manufacturer's official support page.

MOKiN is committed to providing high-quality products and professional after-sales service.



