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MOKiN UC6103

MOKiN UC6103 8-in-1 USB-C Multiport Adapter User Manual

Model: UC6103

1. Introduction

Thank you for choosing the MOKiN UC6103 8-in-1 USB-C Multiport Adapter. This device expands the connectivity of your USB-C enabled laptop or tablet, providing multiple ports for display output, data transfer, network connection, and power delivery. Please read this manual carefully to ensure proper setup and operation.

2. Package Contents

- MOKiN UC6103 8-in-1 USB-C Multiport Adapter
- User Manual

3. Product Overview

The MOKiN UC6103 adapter features a comprehensive set of ports designed to enhance your productivity.



Figure 1: MOKiN UC6103 Port Layout

Port Descriptions:

- **HDMI 1 (8K@30Hz):** Connect to an external display for video and audio output.
- **HDMI 2 (8K@30Hz):** Connect to a second external display for video and audio output.
- **USB-C PD (100W):** Connect a USB-C power adapter to charge your host device (laptop/tablet) and power the hub. Supports up to 100W power input.
- **USB-C Video Output (4K@60Hz, 10Gbps Data, 7.5W Charging):** A versatile port for video output, high-speed data transfer, or charging compatible devices.
- **3 x USB-A 3.1 (10Gbps):** Connect USB peripherals such as keyboards, mice, external hard drives, or USB flash drives for high-speed data transfer.

- **RJ45 Ethernet (1000Mbps):** Connect an Ethernet cable for a stable and fast wired network connection.



Figure 2: USB-C Video & Data Port Capabilities

This port offers 10Gbps data transfer, 4K@60Hz video output, and 7.5W charging. It is compatible with laptops equipped with Thunderbolt 3/4 or USB4 ports.

Your browser does not support the video tag.

Video 1: MOKiN 8-in-1 Dual Monitor Adapter Overview. This video demonstrates the various ports and dual monitor capabilities of the MOKiN USB-C hub.

4. Setup Instructions

1. **Connect to Host Device:** Plug the integrated USB-C cable from the MOKiN UC6103 adapter into the USB-C port of your laptop or tablet. Ensure your device's USB-C port supports DisplayPort Alternate Mode (Alt Mode) for video output.
2. **Connect Power (Optional but Recommended):** For stable operation, especially when using multiple peripherals or charging your laptop, connect your laptop's USB-C power adapter to the USB-C PD port on the MOKiN hub.
3. **Connect Peripherals:** Connect your HDMI monitors, USB devices (keyboard, mouse, external drives), and Ethernet cable to the corresponding ports on the adapter.
4. **Driver Installation:** The MOKiN UC6103 is plug-and-play and typically does not require additional drivers for Windows, macOS, ChromeOS, or Linux.

5. Operating Instructions

5.1. Display Configuration

The adapter supports various display modes depending on your operating system and host device capabilities.

For macOS Devices:



Figure 3: Multiple Display Configurations for macOS

- **M1/M2 MacBook:** Typically supports one external extended display.
- **Non-M1/M2 MacBook:** Supports dual extended displays.
- **M3 MacBook:** Can connect up to two external displays with the laptop lid closed.

For Windows Devices:



Figure 4: Multiple Display Configurations for Windows

- **Mirror Mode:** Displays the same content on all connected screens.
- **Extend Mode:** Extends your desktop across multiple screens, allowing for more workspace.

Note: Display capabilities depend on your laptop's GPU and USB-C port specifications (e.g., DisplayPort Alt Mode

version).

5.2. Data Transfer



Figure 5: High-Speed Data Transfer

The 3 x USB-A 3.1 ports and the USB-C Video Output port support data transfer speeds up to 10Gbps, enabling quick transfers of large files to and from compatible devices like external SSDs, USB flash drives, and other peripherals.

5.3. Power Delivery (PD)

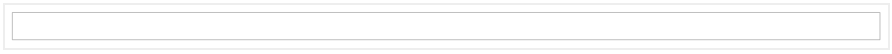


Figure 6: 100W Power Delivery

Connect a USB-C power adapter (up to 100W) to the USB-C PD port on the hub. This allows the hub to pass through power to charge your connected laptop while simultaneously powering the hub and its connected peripherals. Actual charging speed may vary based on your power adapter and laptop's power requirements.

5.4. Ethernet Connection



Figure 7: Gigabit Ethernet Connection

The RJ45 Ethernet port provides a stable and reliable wired network connection up to 1000Mbps (Gigabit Ethernet). This is ideal for situations where Wi-Fi is unstable or unavailable, ensuring consistent internet access for streaming, gaming, or large file downloads.

6. Compatibility



Figure 8: Universal Compatibility

The MOKiN UC6103 adapter is compatible with a wide range of devices and operating systems:

- **Operating Systems:** Windows (10 and above), macOS (9.1 and above), ChromeOS, Linux.
- **Host Device Requirements:** Your laptop or tablet must have a USB-C port that supports DisplayPort Alternate Mode (Alt Mode) for video output. For full functionality, including 8K display and advanced USB-C video output, Thunderbolt 3/4 or USB4 enabled ports are recommended.
- **Compatible Devices:** MacBook Pro/Air, Dell XPS, HP Spectre, Lenovo Yoga, Surface Pro, and other USB-C enabled laptops and tablets.

7. Maintenance

- Keep the adapter away from water, fire, and corrosive liquids.
- Avoid dropping or subjecting the adapter to strong impacts.
- Clean the adapter with a soft, dry cloth. Do not use chemical cleaners.
- Store in a cool, dry place when not in use.

8. Troubleshooting

8.1. No Display Output

- Ensure your laptop's USB-C port supports DisplayPort Alt Mode.
- Check all cable connections (USB-C from hub to laptop, HDMI from hub to monitor).
- Verify that your monitor is set to the correct input source (HDMI 1, HDMI 2, etc.).
- Try connecting only one monitor at a time to isolate the issue.
- Restart your laptop.

8.2. No Power Delivery/Charging

- Ensure your USB-C power adapter is connected to the hub's USB-C PD port.
- Verify that your power adapter has sufficient wattage for your laptop and the hub.
- Check if the power adapter and cable are functioning correctly by testing them directly with your laptop.

8.3. USB Devices Not Recognized or Slow Data Transfer

- Ensure the hub is properly connected to your laptop.
- Try connecting the USB device directly to your laptop to confirm it's working.
- If using a high-power USB device (e.g., external HDD), ensure the hub is connected to external power.
- For optimal speed, ensure your USB devices and cables support USB 3.1 (10Gbps).

8.4. Ethernet Not Working

- Check the Ethernet cable connection to both the hub and your router/modem.
- Verify that your router/modem is functioning correctly.
- Check network settings on your computer.

9. Specifications



Figure 9: Resolution Guide

Feature	Specification
Model Number	UC6103
HDMI Ports	2 x HDMI (up to 8K@30Hz)
USB-C Video Output	1 x USB-C (4K@60Hz Video, 10Gbps Data, 7.5W Charging)
USB Data Ports	3 x USB-A 3.1 (up to 10Gbps)
Ethernet Port	1 x RJ45 Gigabit Ethernet (10/100/1000Mbps)
Power Delivery	1 x USB-C PD (up to 100W input)
Data Transfer Rate	10 Gigabits per second (USB 3.1)
Operating System Support	Windows 10+, macOS 9.1+, ChromeOS, Linux

Hardware Interface	Ethernet, HDMI, Thunderbolt, USB Type C
Item Weight	1.6 ounces

10. Warranty and Support

MOKiN offers a **2-year warranty service** for this product. If you encounter any issues or have questions regarding your MOKiN UC6103 8-in-1 USB-C Multiport Adapter, please contact our customer support team for assistance.
For support, please visit the official MOKiN website or refer to the contact information provided with your purchase.

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Details

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