

ASOMETECH HW186

ASOMETECH HW186 240W 6-Port GaN USB-C Charging Station User Manual

Model: HW186 | Brand: ASOMETECH

1. INTRODUCTION

Thank you for choosing the ASOMETECH HW186 240W 6-Port GaN USB-C Charging Station. This device is designed to provide efficient and safe charging for multiple electronic devices simultaneously. Please read this manual thoroughly before use to ensure proper operation and to maximize the lifespan of your product.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x ASOMETECH HW186 240W 6-Port GaN USB-C Charging Station
- 1 x 4 ft / 1.2m AC Power Cord
- 1 x Desktop Stand
- 1 x User Manual (this document)

3. SPECIFICATIONS

Model No.	HW186
Input	AC 100-240V / 50-60Hz 2.5A
Total Output Power	240W (Max)
USB-C1/C2 Output	PD3.1: 5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/5A, 28V/5A (140W Max per port)
USB-C3/C4 Output	PD3.0/PPS/QC4+: 5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/3.25A (65W Max per port)
USB-A1/A2 Output	QC3.0: 5V/3A, 9V/3A, 12V/3A, 20V/3A (60W Max per port)
Simultaneous Charging	C1+C2: 100W+65W; C3+C4: 65W+65W; A1+A2: 15W+15W
Dimensions	4.1 x 1.9 x 3.4 inches
Weight	11.2 ounces

Color	Gray
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4. KEY FEATURES

- **240W Total Power Output:** Provides ample power for multiple devices, including high-power laptops.
- **6-Port Design:** Equipped with 4 USB-C ports and 2 USB-A ports for versatile charging.
- **Advanced GaN Pro Technology:** Utilizes Gallium Nitride technology for efficient power delivery, compact size, and enhanced safety.
- **Real-Time LCD Display:** Shows individual port power output, total power consumption, temperature, and cumulative charging time. The display can be toggled or turned off via a touch button.
- **Broad Compatibility:** Supports various fast charging protocols including PD3.1/PD3.0/PPS/QC4+/QC3.0/AFC, FCP, and Samsung 45W Super Fast Charge 2.0.
- **Comprehensive Safety Protections:** Built-in safeguards against overcharging, overheating, short circuits, overcurrent, and overvoltage.

5. SETUP INSTRUCTIONS

1. **Place the Charging Station:** Position the charging station on a stable, flat surface. You may use the included desktop stand for vertical orientation.
2. **Connect Power:** Insert the 4 ft / 1.2m AC power cord into the AC input port on the back of the charging station. Plug the other end of the power cord into a standard wall outlet (AC 100-240V).
3. **Power On:** The LCD display will illuminate, indicating the device is powered on and ready for use.

6. OPERATING INSTRUCTIONS

1. **Connect Devices:** Use appropriate USB cables to connect your devices to the available USB-C (C1-C4) or USB-A (A1-A2) ports.
2. **Monitor Charging:** The real-time LCD display will show the wattage being delivered to each connected port, as well as the total power output.
3. **LCD Display Control:** A touch button on the top of the charging station allows you to cycle through different display modes (e.g., individual port output, total power, temperature, cumulative time) or to turn the display on/off.
4. **Optimal Charging:** The charging station intelligently distributes power based on the connected devices' requirements and supported protocols. For PD3.1 140W charging, ensure your cable is PD3.1 compatible.

7. CHARGING CAPABILITIES

The ASOMETECH HW186 offers flexible power distribution across its ports:

- **Single Port High Power:** USB-C1 or USB-C2 can deliver up to 140W when used individually, ideal for fast-charging laptops.
- **Dual Laptop Charging:** When both USB-C1 and USB-C2 are used simultaneously, C1 can provide up to 100W and C2 up to 65W, allowing for concurrent charging of two laptops.
- **Multiple Device Charging:** The intelligent power management system ensures optimal charging speeds for all connected devices up to the total 240W output.

8. SAFETY FEATURES

The charging station incorporates multiple protection mechanisms:

- **Over-Voltage Protection:** Prevents damage from excessive voltage input.
- **Over-Current Protection:** Safeguards against excessive current flow.

- **Over-Temperature Protection:** Monitors internal temperature to prevent overheating. The LCD can display the device's temperature status.
- **Short-Circuit Protection:** Automatically cuts power in case of a short circuit.
- **Over-Charging Protection:** Prevents devices from being overcharged, extending battery life.

9. PRODUCT VISUALS



The ASOMETECH HW186 240W 6-Port GaN USB-C Charging Station with its included desktop stand and power cord.



Illustration of the 6-in-1 fast charging station simultaneously charging multiple devices, highlighting its 4 USB-C and 2 USB-A ports.



Demonstration of 140W fast charging for laptops using a PD3.1 compatible USB-C port, showing a quick charge time.



The real-time LCD display showing various status visualizations including individual port wattage, total power, cumulative time, and temperature protection.



An illustration highlighting the advanced GaN technology and its integrated safety features like over-voltage, over-power, over-temperature, and over-charge protection.



A visual representation of the charging station's wide compatibility with smartphones, laptops, tablets, and other devices like smartwatches and gaming consoles.

Easy to Carry Anywhere



Images depicting the charging station's portability and ease of use in various settings such as home, office, and travel.

10. MAINTENANCE AND CARE

- **Cleaning:** Disconnect the power cord before cleaning. Use a soft, dry cloth to wipe the surface of the charging station. Do not use liquid cleaners or aerosols.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Avoid Damage:** Do not drop, disassemble, or attempt to repair the device yourself. Avoid exposing it to water or excessive humidity.

11. TROUBLESHOOTING

- **Device not charging:**
 - Ensure the charging station is properly plugged into a live power outlet.
 - Check that the USB cable is securely connected to both the charging station and your device.
 - Try a different USB cable or port to rule out a faulty cable or port.
 - Verify that your device is compatible with the charging station's output specifications.
- **Slow charging:**
 - Ensure you are using a high-quality, compatible cable that supports fast charging protocols (e.g., PD3.1 for 140W output).
 - If multiple devices are connected, the power distribution may adjust. Disconnect other devices to see if the charging speed improves for a specific device.
 - Check your device's charging requirements; some devices may have specific wattage needs for optimal speed.
- **LCD display not working:**
 - Ensure the charging station is powered on.
 - Tap the touch button on top of the station to cycle through display modes or turn it on.

12. WARRANTY AND SUPPORT

This ASOMETECH product comes with a **12-month warranty** from the date of purchase. If you encounter any issues or have questions regarding your product, please refer to the contact information provided in your purchase documentation for customer service. Do not attempt to disassemble or repair the device yourself, as this may void the warranty.