ASOMETECH
240W
6-IN-1
Desktop GaN Charger Station

User Manual



HW186





Dynamic display screen interface

1）Power-on screen



2）Charging output power



3）Explanation of Digital Display Parameters



The USB C charger features a built-in display that shows various charging parameters. When plugged in, the screen activates in "Power On" mode, then switches to display the total output power.

To view detailed charging parameters for each port, simply tap the button on the top of the charger. This will switch to the detailed output page, where you can monitor the individual power output of each port. Additionally, the screen displays real-time charging temperature and total charging duration.

Can easily toggle between different power parameters at any time by pressing the top button, ensuring you always stay in control of your charging experience.

4）Intelligent temperature protection

Make the device more secure, protect the device



0-60W　　61-100W　　101-240W

5）Standby screen



6）Charging timer screen



Product Introduction

This product is a GaN desktop charging station with 6 usb ports and a LED digital display. The usb charger adapted gan generation chip technology with a total output power of 240W. The product has a compact size and has multi-ports (4 Type - C + 2 USB - A). It supports a lot of fast charging protocols,compatibility for QC4+, PD3.0, QC3.0, QC2.0, PPS, SCP, FCP, AFC, PE+, etc.

For USB - C1 and USB - C2: When used independently, each port supports a maximum output power of 140W (28V/5A),provide fast charging for the laptops.

Supports simultaneous charging for multiple devices---compatible with laptops, tablets, smartphones, headphones,gaming consoles, and more. Delivers fast charging to your devices while keeping your desk neat and organized.

Product Parameters

Brand：ASOMETECH

Model No：HW186

Input: AC 100-240V/50-60Hz 2.0A

Output：600W Max.

USB Ports：6-Ports （4 USB C + 2 USB A）

Type1/C1/C2：PD3.1 5V/3A、9V/3A、12V/3A、15V/3A、20V/5A、28V/5A

Type1/C1/C2：PPS：3.3-21V/5A 140W(Max)

C1+C2：100W+60W

Type1/C3/C4：5V/3A、9V/3A、12V/3A、15V/3A、20V/3.25A、PPS 3.3-21V/5A 65W(Max)

Type1/C4/C4：PPS 3.3-21V/5A 65W(Max)

C3+C4：65W+65W

USB-A1/A2：QC3.0：5V/3A、9V/2A、12V/2A、20V/3A 60W (Max)

A1+A2：100V~250V

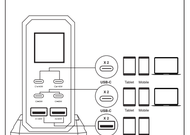
Package Contents:

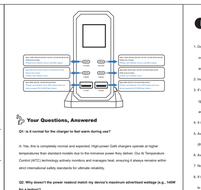
- 1 x Charger
- 1 x User Manual
- 1 x Power Cord

Usage Environment

- Operating Temperature: The operating temperature of the product is suitable for non - tropical areas below an altitude of 2,000 meters.
- Storage Temperature: The storage temperature should be kept between - 20°C and 40°C.

Charging Compatibility





Your Questions, Answered

Q1: Is it normal for the charger to feel warm during use?

A: Yes, this is completely normal and expected. High-power GaN chargers operate at higher temperatures than standard models due to the immense power they deliver. Our AI Temperature Control (ATC) technology actively monitors and manages heat, ensuring it always remains within strict international safety standards for ultimate reliability.

Q2: Why doesn't the power readout match my device's maximum advertised wattage (e.g., 140W for a laptop)?

A: This is due to intelligent, adaptive charging. Devices like phones and laptops do not charge at a fixed rate. They follow a dynamic power curve:

- Peak power is typically only drawn when the battery is very low and the screen is off.
- Power intake gradually decreases as the battery fills up to preserve its long-term health.
- Other factors like active screen use or background apps can also temporarily reduce draw.

This ensures power management happens with any high-quality charger, including the one that came with your device, and is a sign of a sophisticated charging system.

NOTE-1

1. Do not store the product in high - temperature, strong - light, or strong - magnetic fields. Do not place it in other harsh environments such as near a fire source. If water enters the product, let it dry naturally and then use it again.

2. Incorrect use of the product can easily damage it or may pose risks to personal and property safety.

3. If consumers suffer personal or property losses due to improper use in violation of the user manual or ignoring the warnings, they shall bear the responsibility themselves, and our company will not assume any legal liability.

4. It is strictly prohibited for non - professionals to damage this product.

5. Avoid using household appliances or loads that exceed the output current of this product (there will be no output due to circuit protection).

6. Avoid dense physical actions, including hitting, throwing, slapping on, and squeezing.

7. Note that the charger is only suitable for indoor and dry non - humid environments.

8. If the charging power does not reach the power advertised, this cannot be completely attributed to the device. It may be due to the quality impact of other components, such as the quality of the charging cable.

NOTE-2

1.Output depends on the device's max input power and may vary during different charging phases. please check if your device supports full-power charging. For example, your mobile phone MAX supports 45W charging,so your mobile phones can not get more than 45W charging,but your laptop supports 140W PD3.1 charging. So the laptop can get 140W PD3.1 charging.

2.Please use the charging cable supports more than 60W. Normally,cables supporting more than 60W require E-Marker chip.

3.For MacBook,if you want get more than 100W charging please use MagSafe-3 charger.

Product Safety & Warranty Information

○ Important Safety Instructions:

- For your safety, keep the charger away from open flames, extreme heat, or direct sunlight while in use.
- Do not attempt to disassemble or modify the internal components of the charger. This voids all warranties and may pose safety risks.
- Store the charger in a clean, dry, and cool place, away from moisture and dust.

○ Lifetime VIP Warranty & Customer Support:

- We stand firmly behind the quality of our products. To provide you with the best ownership experience, we offer an exclusive VIP warranty program.
- **Become a VIP for Lifetime Coverage:** Follow our ASOMETECH store and register as a VIP fan to activate our lifetime warranty against manufacturing defects.
- **Dedicated Support Channel:** For any technical questions, warranty claims, or product assistance, please contact our dedicated support team. We are committed to a fast response.
- **Email:** asometech_service@163.com
- **Typical Response Time:** Within 12 hours.

○ Our Commitment to You:

- Your satisfaction and safety are our top priorities. This charger is designed to meet high standards of performance and reliability. By choosing ASOMETECH, you choose a partner dedicated to quality and exceptional customer care.

Declaration on Toxic or hazardous substances and elements contained in electronic products

Part	Toxic or hazardous substances and elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr(VI))	Polybrominated Biphenyls (PBB)	Polybrominated Diphenyl Ethers (PBDE)
PCB	X	O	O	O	O	O
Plastic	O	O	O	O	O	O
Power	X	O	O	O	O	O
Screws	O	O	O	O	O	O

O indicates that contents of little toxic and hazardousbsubstances in all homogeneous materials are below the limit requirements specified by IEC 62368-1:2018,CSA/UL 62368-1:2019, EN/CZ(2014/35/EU),(HG/2016/1101), RO/SK(2011/65/UE)amended.

X indicates that contents of the toxic and hazardous substances exceed the limit requirements specified in IEC 62368-1:2018, CSA/UL 62368-1:2019, EN/CZ(2014/35/EU),(UG)(2016/1091),RO/SK(2011/65/EU) standard in at least one homogeneous material of the part.

The information provided in this form is based on the data provided by the supplier and in line with the detection result of ROHS

manufacturing defects.

Please note that the use of environmentally friendly technology; use of all tools and hazardous substances or shortfalls is committed to the bottom line, but immunity of EU ROHS rotrective is followed.

Environmental protection and Safety Symbol

Please follow the above safety instructions otherwise it will cause fire, electric shock,damage or other damage.

Manufacturer：Shenzhen hengfuwei Electronic Technology Co., Ltd

Address: Building 3, Building B4,Luowuwei First Industrial Zone, Dalang Community, DalangStreet, LonghuaDistrict,Shenzhen.

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RoHS
Made in China