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› UGREEN 200W 8-Port GaN USB C Charger Block User Manual

UGREEN X766

UGREEN 200W 8-Port GaN USB C Charger Block User Manual

Model: X766

1. INTRODUCTION

The UGREEN 200W 8-Port GaN USB C Charger Block (Model X766) is a versatile desktop charging station designed to power multiple devices simultaneously. Utilizing advanced GaN (Gallium Nitride) technology, this charger offers high efficiency and a compact form factor, making it ideal for various environments from personal workstations to shared office spaces. It features a total of eight ports, including six USB-C ports and two USB-A ports, providing comprehensive compatibility for laptops, tablets, smartphones, and other electronic devices.



Figure 1: The UGREEN 200W 8-Port GaN USB C Charger Block, shown with its included stand and power cable. This image highlights the compact design and the array of charging ports available on the device.

2. PRODUCT FEATURES

- **Powerful 200W Output:** Delivers up to 200W total power, with a single-port maximum output of 100W, supporting fast charging for high-performance devices like MacBook Pro, XPS 13, and HP laptops.
- **8-Port Simultaneous Charging:** Equipped with 6 USB-C and 2 USB-A ports, allowing you to charge up to 8 devices concurrently at optimal speeds.
- **Advanced GaN Technology:** Features Gallium Nitride (GaN) technology, which makes the charger more efficient, smaller, and cooler during operation compared to traditional silicon chargers.
- **Enhanced Safety Features:** Built-in protection mechanisms including over-voltage, overheating, over-current, and short-circuit protection ensure safe charging for all connected devices.
- **Desktop Design with Extension Cord:** Designed for desktop use, it helps reduce cable clutter and includes a 6-foot extension cord for flexible placement.
- **Universal Compatibility:** Compatible with a wide range of devices, including MacBook Pro/Air, XPS 13/12, iPhone 16/16



Thermal Guard Tech

800+

Real-time temperature
monitoring



Over-voltage
protection



Overheating
protection



Over-current
protection



Short-circuit
protection

Figure 2: Illustration of the GaN technology and integrated safety features, including protection against over-voltage, overheating, over-current, and short-circuits.

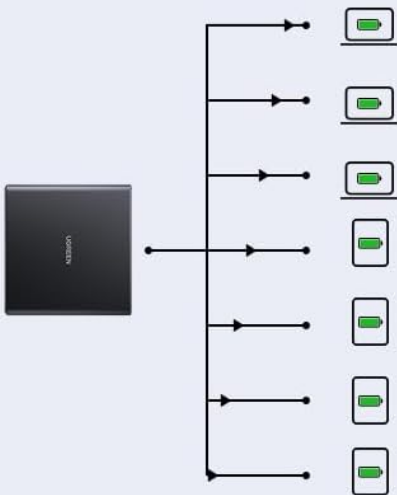
3. SETUP

1. **Unpack the Charger:** Carefully remove the UGREEN 200W 8-Port GaN USB C Charger Block, its stand, and the power cord from the packaging.
2. **Attach the Stand (Optional):** If desired, attach the charger to its vertical stand for stable desktop placement. The stand helps with cable management and heat dissipation.
3. **Connect the Power Cord:** Insert the provided 6-foot AC power cord into the power input port on the back of the charger.
4. **Plug into Power Outlet:** Plug the other end of the AC power cord into a standard wall outlet (240V input voltage supported).
5. **Ready for Use:** The charger is now ready to connect your devices. There is no power indicator LED on this model.

2M Power Cord



Smart Power Distribution



Silicone Mat



Metallic Finish



Figure 3: Details of the charger's design, including its metallic finish, silicone mat for stability, and the 2-meter power cord. A diagram illustrating smart power distribution is also shown.

4. OPERATING INSTRUCTIONS

The UGREEN 200W 8-Port GaN USB C Charger Block features intelligent power distribution to optimize charging speeds across all connected devices. Understanding the power allocation for different port combinations is essential for achieving desired charging performance.

Port Overview:

- **USB-C1, USB-C2, USB-C3:** High-power USB-C ports, primarily for laptops and other demanding devices.
- **USB-C4, USB-C5:** Mid-power USB-C ports, suitable for tablets and some smartphones.
- **USB-C6, USB-A1, USB-A2:** Lower-power ports, ideal for smartphones, earbuds, smartwatches, and other accessories. These ports do not support Power Delivery (PD) or Quick Charge (QC).

Power Distribution Guidelines:

The charger dynamically adjusts power output based on the number and type of devices connected. For optimal performance, refer to the following guidelines:

Table 1: Power Output per Port Configuration

Configuration	Ports in Use	Max Output per Port (W)	Total Output (W)
Single Port	USB-C1/C2/C3	100	100
Single Port	USB-C4/C5	30	30
Single Port	USB-C6/A1/A2	15	15
Two High-Power Ports	USB-C1 + USB-C2/C3	100 (C1) + 85 (C2/C3)	185
Three High-Power Ports	USB-C1 + USB-C2 + USB-C3	65 (C1) + 65 (C2) + 45 (C3)	175
Two Mid-Power Ports	USB-C4 + USB-C5	7.5 (C4) + 7.5 (C5)	15
Multiple Low-Power Ports	USB-C6 + USB-A1/A2 (any combination)	Total 15W shared	15
All 8 Ports	C1+C2+C3+C4+C5+C6+A1+A2	65+45+45+7.5+7.5+5+5+5	185

Note: When multiple ports within the USB-C4/C5 group or the USB-C6/A1/A2 group are used simultaneously, the total power for that group is shared, and Power Delivery (PD) or Quick Charge (QC) capabilities may be limited or unavailable for those specific ports. For optimal fast charging, prioritize using the USB-C1/C2/C3 ports for high-power devices.

8-in-1 Simultaneous Charging

Productive & Efficient

6 

6×USB-C

2 

2×USB-A

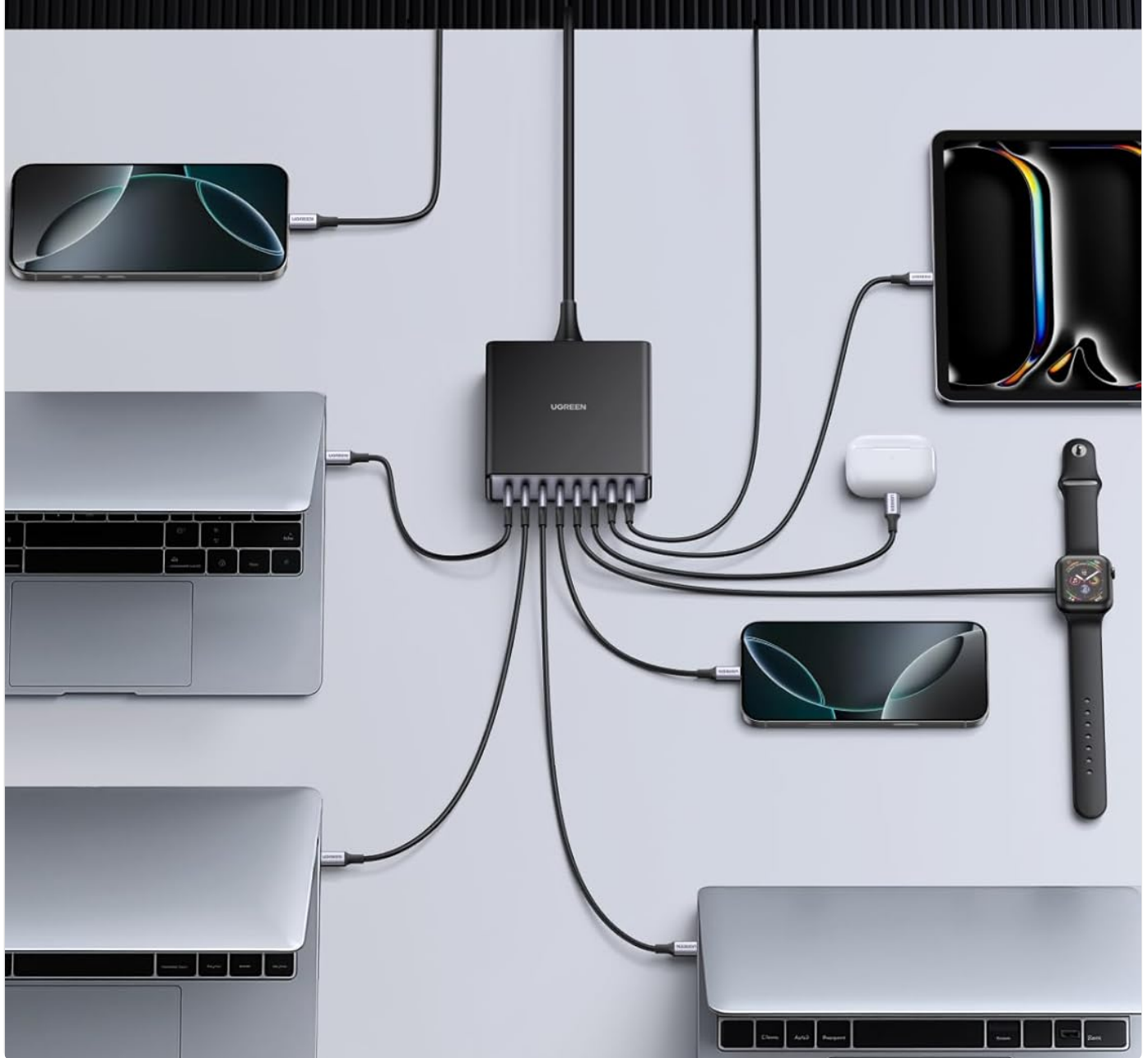


Figure 4: The charger supporting simultaneous charging for up to 8 devices, including laptops, tablets, smartphones, and wearables.

100W Max Fast Charging

for a single USB-C1/C2/C3 port

100W

USB-C1/C2/C3

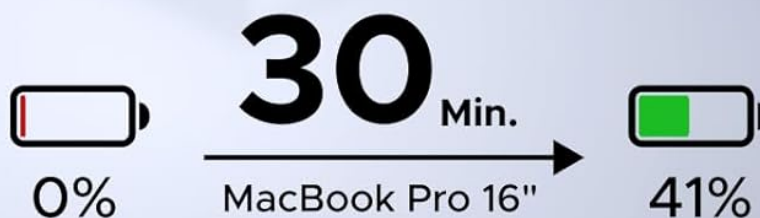


Figure 5: Demonstrates the 100W max fast charging capability of the USB-C1/C2/C3 ports, showing a MacBook Pro 16" charging from 0% to 41% in 30 minutes.

Charge 4 MacBook Airs at once



Figure 6: Illustrates how the charger can power four MacBook Airs concurrently, with power distributed as 65W, 45W, 45W, and 30W across the USB-C ports.

Official Product Video:

Your browser does not support the video tag.

Video 1: An official product video from UGREEN demonstrating the features and capabilities of the UGREEN Desktop Charging Station. This video highlights its multi-port functionality, GaN technology, and universal compatibility.

5. MAINTENANCE

- **Cleaning:** Disconnect the charger from the power outlet and all devices before cleaning. Use a soft, dry cloth to wipe the surface. Do not use liquid cleaners or aerosols.
- **Storage:** Store the charger in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the charger or subjecting it to strong impacts. Do not disassemble the unit, as this will void the warranty and may cause damage.
- **Cable Care:** Ensure charging cables are not bent sharply or tangled, as this can damage the cables and affect charging performance.

6. TROUBLESHOOTING

If you encounter issues with your UGREEN 200W 8-Port GaN USB C Charger Block, please refer to the following common troubleshooting steps:

1. **Device Not Charging:**
 - Ensure the charger is securely plugged into a working wall outlet.
 - Verify that the charging cable is properly connected to both the charger and your device.
 - Try using a different charging cable or a different port on the charger.
 - Confirm that your device is compatible with the charger's output specifications (refer to Section 4: Operating Instructions for power distribution).
2. **Slow Charging:**
 - Check the power requirements of your device. High-power devices (e.g., laptops) should be connected to USB-C1, USB-C2, or USB-C3 for optimal speed.
 - Review the power distribution table in Section 4. Connecting too many devices, especially to the lower-power ports (USB-C4/C5, USB-C6/A1/A2), can reduce the available power per port.
 - Ensure your charging cable supports fast charging protocols (e.g., Power Delivery) if your device requires it.
 - Disconnect other devices to see if the charging speed improves for a specific device.
3. **Charger Feels Warm:**
 - It is normal for the charger to become warm during operation, especially when charging multiple devices or high-power devices. The integrated GaN technology and temperature control features are designed to manage heat safely.
 - Ensure adequate ventilation around the charger. Avoid placing it in enclosed spaces or covering it.
 - If the charger becomes excessively hot or emits unusual odors, immediately disconnect it from the power outlet and all devices, and contact customer support.

7. SPECIFICATIONS

Table 2: Technical Specifications

Attribute	Detail
Brand	UGREEN
Model Number	X766

Attribute	Detail
Total Wattage Output	200W Max
Input Voltage	240 Volts
Total USB Ports	8 (6x USB-C, 2x USB-A)
USB-C1/C2/C3 Output	Up to 100W each (single port use)
USB-C4/C5 Output	Up to 30W each (single port use)
USB-C6/A1/A2 Output	Up to 15W each (single port use), 15W total shared. No PD/QC support.
Connectivity Technology	USB
Compatible Devices	Cellular Phones, Headphones, Laptops, Tablets (MacBook Pro/Air, XPS 13/12, iPhone 16/16 Pro/15/14, Galaxy S25/S24/S23/S22/S21/S20, iPad Air/Pro, Pixel 8, Steam Deck, etc.)
Special Features	Fast Charging, Multi Device Charging, GaN Technology, Built-in Protections (Over-voltage, Overheating, Over-current, Short-circuit)
Dimensions (L x W x H)	7.87 x 7.52 x 2.91 inches (Package Dimensions)
Item Weight	2.31 pounds

8. WARRANTY AND SUPPORT

This product includes a user manual as part of its components. For detailed warranty information and customer support, please refer to the official UGREEN website or the warranty card included with your purchase. You may also contact UGREEN customer service directly for assistance with product inquiries, technical support, or warranty claims.

For the most up-to-date information, please visit the [UGREEN Official Store on Amazon](#) or their corporate website.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question