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CIO CIO-G45W2C-N2

CIO NovaPort Duo II 45W Dual USB-C Charger User Manual

Model: CIO-G45W2C-N2 | Brand: CIO

1. INTRODUCTION

Thank you for choosing the CIO NovaPort Duo II 45W Dual USB-C Charger. This compact and efficient charger is designed to provide fast and stable power to a wide range of devices, including smartphones, tablets, and laptops. Featuring advanced GaN technology and smart power management, it ensures optimal charging performance and enhanced safety.

Next-Generation Charger

NovaPort DUO II 45w



World's
Smallest Size



Supports Simultaneous
Charging of Two Devices



Equipped with
Automatic Power
Distribution Function



Safety Protection
Feature "Nova Safety 2.0"



Compatible
with PC Charging



The CIO NovaPort Duo II 45W charger highlights its key features: compact size, simultaneous dual device charging, automatic power distribution, Nova Safety 2.0 protection, and PC charging compatibility.

Key Features:

- **Compact 45W Dual USB-C Charger:** Delivers up to 45W, suitable for phones, tablets, and laptops. Features a foldable plug and lightweight design for portability.

- **2-Port USB-C Charger:** Provides reliable charging for multiple devices with a total output of up to 45W.
- **Efficient GaN Technology:** Built with GaN chips to reduce energy loss and ensure stable power delivery.
- **Smart Power Distribution:** Equipped with Nova Intelligence to optimize power for connected devices, ensuring safe and efficient charging.
- **Durable Design with Safety Features:** Features NovaSafety 2.0 for temperature monitoring and overheating prevention, with a scratch-resistant finish.

World's Smallest Size

NovaPort DUO II has a high power output of 45W,
yet has the smallest egg size of any 2-port charger.

approx
1.8 inches



approx 1.3 inches



*Survey conducted by CIO in 2024
on 45W dual-port chargers

The NovaPort Duo II 45W charger is designed to be exceptionally compact, comparable in size to a small egg, making it highly portable.

2. IMPORTANT SAFETY INFORMATION

Please read and follow these safety guidelines to ensure safe operation and prevent damage to the product or connected devices.

- Do not expose the charger to water, moisture, or extreme temperatures.
- Do not attempt to disassemble, repair, or modify the charger. This will void the warranty and may cause electric shock or fire.
- Avoid dropping or subjecting the charger to strong impacts.
- Ensure the charger is used in a well-ventilated area.
- Unplug the charger from the wall outlet when not in use or during electrical storms.
- Keep out of reach of children.

NovaSafety 2.0

The NovaPort Duo II 45W charger incorporates NovaSafety 2.0 technology, which continuously monitors internal temperature, adjusts output, and distributes optimal power to automatically control heat generation. This advanced temperature management system aims to provide a safer charging experience.

Quick Charging Reference Chart

NovaPort DUOII 45W

Port	C1	C2
charging with a single port	C1	45W
	C2	45W
charging with twoport	C1+C2  Optimally distributed within a maximum of 45W Example: 20W+20W / 30W+15W or 15W+30W	

*When charging two devices simultaneously via the USB-C ports, the 'NovaIntelligence' feature activates and automatically distributes the optimal power within the total maximum of 45W, depending on the connected devices.

*Depending on device compatibility, the maximum power may not be reached.

*PD charging for PCs requires different voltage and power levels depending on the manufacturer. Please be aware of this.

*If the PC charging is unstable when using multiple ports at the same time, please charge the device using a single port.

The charger's internal components are designed with NovaSafety 2.0 for continuous temperature monitoring and heat control.

Insulated Plug

The charger is equipped with an insulated cap at the base of the power plug. This design helps prevent tracking fires that can be caused by dust or moisture accumulating in the gap between the outlet and the plug.



Equipped with an insulated plug

Adopts an insulated cap at the base of the power plug. This helps prevent tracking fires caused by dust or moisture accumulating in the gap between the outlet and the plug.

The insulated plug design enhances safety by preventing dust and moisture accumulation.

3. PACKAGE CONTENTS

Please check that all items are present in your package:

- CIO NovaPort Duo II 45W Dual USB-C Charger
- User Manual (this document)

4. SETUP INSTRUCTIONS

1. **Unfold the Plug:** Gently unfold the foldable AC prongs from the charger body.
2. **Connect to Power Outlet:** Insert the charger into a standard wall power outlet.
3. **Connect Charging Cable:** Plug one end of a compatible USB-C charging cable (not included) into one of the USB-C ports on the charger.
4. **Connect to Device:** Plug the other end of the USB-C charging cable into your device (e.g., smartphone, tablet, laptop).
5. **Begin Charging:** Your device should begin charging automatically.



Perfect for Carrying

Its ultra-compact size fits easily into small bags, making it convenient to carry around. It's the ideal size for outings.



The charger can deliver up to 45W output when charging a single device like a laptop.

5. OPERATING INSTRUCTIONS

Single Port Charging

When using a single USB-C port, the charger can deliver up to 45W of power. This is ideal for fast charging compatible laptops, tablets, or smartphones that require higher power input.



Single Port MAX 45W Output

Supports a maximum output of 45W.

Not only can it charge smartphones, but it can also charge PCs.

Its ultra-compact size makes it easy to carry, whether at home, in the office, or on the go, allowing you to charge anytime, anywhere.

The charger provides a maximum of 45W output when only one port is in use, suitable for charging laptops and other high-power devices.

Dual Port Charging

The NovaPort Duo II allows simultaneous charging of two devices. The total maximum output across both ports is 45W. The integrated Nova Intelligence technology automatically distributes power optimally between the connected devices.

Simultaneous Charging for 2 Devices

When charging two devices simultaneously, it supports a total output of 40W, allowing you to watch videos on a tablet while charging your smartphone, making everyday life more convenient and comfortable.



Simultaneous charging of an iPad (30W) and an iPhone (10W) demonstrates the charger's dual-port capability with intelligent power distribution.

Smart Power Distribution (Nova Intelligence)

Nova Intelligence automatically detects the power requirements of connected devices and allocates power optimally. This ensures efficient and safe charging without needing to worry about which port to use for specific devices.



Flexible Combinations. Stress-Free Charger

Equipped with CIO's proprietary technology, NovaIntelligence, which automatically distributes power. Depending on the connected devices, it optimally allocates power, allowing you to use it without worrying about the ports, ensuring a stress-free experience.

Nova Intelligence allows for flexible power combinations, such as charging an iPhone (20W) and AirPods (5W), or two iPhones (20W each), ensuring stress-free charging.

[Quick Charging Reference Chart](#)

Accessories and product specifications

NovaPort DUOII 45W



model number	C10-G45W2C-N2
Size	approx.45 × 33 × 29mm
weight	approx.69g
input	100-240VAC 50/60Hz 1.0A
output (USB-C1/C2)	5V=3A/9V=3A/12V=3A/15V=3A/ 20V=2.25A(Max 45W) PPS:5-11V=4.05A 30W(5V=3A/9V=3A/12V=2.5A/15V=2A/ 20V=1.5A) PPS:5-11V=3A 20W(5V=3A/9V=2.22A/12V=1.67A) PPS:5-11V=2A
output (USB-C1+C2)	30W+15W or 15W+30W or 20W+20W (Total 45W MAX)
accessory	this product handling instructions

This chart illustrates the power distribution for single and dual port charging scenarios.

Power Output Reference

Charging Mode	Port C1	Port C2	Total Output
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Charging Mode	Port C1	Port C2	Total Output
Single Port (C1)	45W	N/A	45W Max
Single Port (C2)	N/A	45W	45W Max
Two Ports (C1 + C2)	Optimally distributed by Nova Intelligence		45W Max (e.g., 20W+20W, 30W+15W, 15W+30W)

Note: When charging two devices simultaneously, Nova Intelligence automatically distributes optimal power within the total maximum of 45W, depending on the connected devices. Depending on device compatibility, the maximum power may not be reached. PD charging for PCs requires different voltage and power levels depending on the manufacturer. If PC charging is unstable when using multiple ports, please charge the device using a single port.

6. 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.
- **Scratch-Resistant Surface:** The product's surface is treated with a scratch-resistant texture to minimize scratches during daily use and transport.

Surface with Scratch-Resistant Texture

The product's surface is treated with a scratch-resistant texture. It's designed to minimize scratches even when placed directly in bags or pouches, ensuring long-lasting use.



The charger features a scratch-resistant surface, ensuring durability even when carried in bags or pouches.

7. TROUBLESHOOTING

Device is not charging:

- Ensure the charger is securely plugged into a working wall outlet.
- Verify that the USB-C cable is properly connected to both the charger and your device.
- Try using a different USB-C cable to rule out a faulty cable.
- Test the charger with a different device to confirm charger functionality.
- Try a different wall outlet.

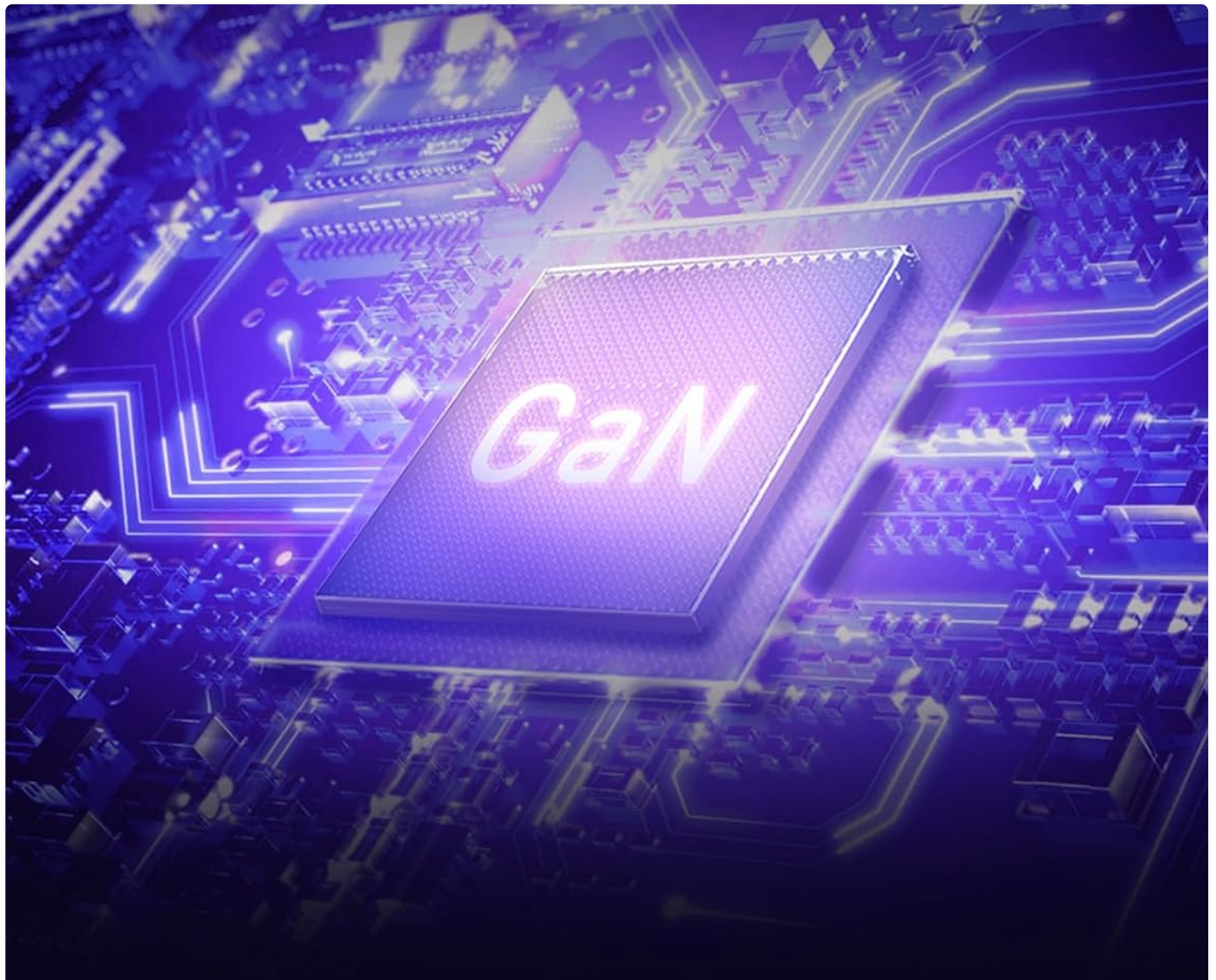
Charging is slow:

- Ensure your device and cable support fast charging protocols.
- If charging two devices simultaneously, the total 45W output is shared. For maximum speed on a single device, ensure only one device is connected.
- Check if the cable is rated for the required power delivery.

Charger feels warm:

- It is normal for the charger to become warm during operation, especially during fast charging or when charging multiple devices.
- The NovaSafety 2.0 feature actively manages temperature. If the charger becomes excessively hot, disconnect it immediately and contact customer support.

8. SPECIFICATIONS



CIO New Technology NovaEngine

Equipped with dual next-generation GaN chips,
the NovaEngine enhances power conversion efficiency
and significantly reduces the charger's heat generation.

Detailed specifications for the NovaPort Duo II 45W charger.

Product Specifications

Feature	Detail
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Feature	Detail
Model Number	CIO-G45W2C-N2
Product Dimensions	1.14 x 1.77 x 1.3 inches (approx. 45 x 33 x 29mm)
Item Weight	2.43 ounces (approx. 69g)
Input Voltage	100-240V AC, 50/60Hz, 1.0A
Output (USB-C1/C2 Single)	5V=3A / 9V=3A / 12V=3A / 15V=3A / 20V=2.25A (Max 45W) PPS: 5-11V=4.05A
Output (USB-C1+C2 Combined)	30W+15W or 15W+30W or 20W+20W (Total 45W MAX)
Total USB Ports	2 (USB Type C)
Compatible Devices	Cellular Phones, Game Consoles, Laptops, Smartwatches, Tablets
Special Features	Fast Charging, Lightweight Design, Multi Device Charging, Retractable Plug, Travel
Color	Black

9. WARRANTY AND SUPPORT

Warranty Information

Specific warranty details for your CIO NovaPort Duo II 45W charger are typically provided with your purchase documentation or can be found on the official CIO website. Please retain your proof of purchase for warranty claims.

Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact CIO customer support through their official website or the contact information provided with your product packaging.

Manufacturer: CIO

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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.

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