TOPADRE RCE-24001

TOPADRE 240W 6-Port PD3.1 GaN USB-C Desktop Charging Station (Model RCE-24001) User Manual

1. Introduction

Thank you for choosing the TOPADRE 240W 6-Port PD3.1 GaN USB-C Desktop Charging Station. This device is designed to provide efficient and fast charging for multiple electronic devices simultaneously, utilizing advanced GaN technology and intelligent power allocation. Please read this manual thoroughly before use to ensure proper operation and safety.

2. Product Overview

The TOPADRE 240W Charging Station is a high-performance desktop charger featuring six ports: four USB-C ports and two USB-A ports. It incorporates PD3.1 and GaN technology for compact design and superior charging efficiency. A built-in LED display provides real-time power monitoring.

2.1 Key Features

- **High Power Output:** Total 240W output for simultaneous fast charging of multiple devices.
- **Multiple Ports:** 4x USB-C ports (C1: 140W MAX, C2/C3/C4: 100W MAX) and 2x USB-A ports (A1/A2: 30W MAX).
- **PD3.1 GaN Technology:** Supports the latest Power Delivery 3.1 standard and Gallium Nitride technology for efficient, compact, and powerful charging.
- **LED Digital Display:** Real-time monitoring of charging status and power output.
- **Advanced Safety Features:** Built-in protection against overcharging, overcurrent, overheating, and short circuits.
- **Wide Compatibility:** Supports various fast charging protocols including PD3.1, QC5.0, QC4.0, PPS, SCP, FCP, AFC, and PE+. Compatible with a broad range of devices from laptops to smartphones.
- **Desktop Design:** Includes a detachable base for stable desktop placement and a 1.5m AC power cord for flexible setup.

2.2 Package Contents

Verify that all items are present in your package:

- 1x TOPADRE 240W Charger Station
- 1x Detachable Base Bracket
- 1x AC Power Cord
- 1x 100W USB-C Cable

3. Setup Instructions

1. **Attach the Base Bracket:** Gently slide the charging station onto the detachable base bracket until it clicks securely into place. This provides stability and aids in heat dissipation.
2. **Connect to Power:** Plug one end of the included AC power cord into the power input port on the back of the charging station. Plug the other end into a standard wall outlet (100-240V).
3. **Power On:** The LED display on the front of the charger will illuminate, indicating it is powered on and ready for use.

4. Operating Instructions

The TOPADRE 240W Charging Station intelligently allocates power based on connected devices. For optimal performance, observe the following:

1. **Connect Your Devices:** Use appropriate USB-C or USB-A cables to connect your devices to the corresponding ports on the charging station.
2. **Monitor Charging Status:** The LED display will show the real-time power output (in Watts) for each active port, allowing you to confirm charging status.
3. **Maximize Charging Speed:**
    - For 140W charging via USB-C1, ensure you use a USB-C cable rated for 140W or higher. The included 100W USB-C cable will limit output to 100W for this port.
    - For optimal multi-device charging, refer to the "Power Output Specifications" table below to understand power distribution.
4. **Disconnecting Devices:** Safely disconnect devices once fully charged or when no longer needed.

4.1 Power Output Specifications

The charging station features intelligent power allocation. The following table outlines typical power outputs for various configurations:

Configuration	Max Output
Single USB-C1 Port	140W
Single USB-C2/C3/C4 Port	100W
Single USB-A1/A2 Port	30W
USB-C1 + USB-C2/C3/C4	140W + 100W (Total 240W)
USB-C1 + USB-A1/A2	140W + 30W
USB-C2/C3/C4 + USB-A1/A2	100W + 30W
USB-A1 + USB-A2	25W (Shared)

Configuration	Max Output
USB-C1 + USB-C2 + USB-C3 (Example)	100W + 95W + 45W (Total 240W)
All 6 Ports Active	Intelligent distribution up to 240W total. Max individual port outputs may be reduced.

5. Media Gallery

5.1 Product Images



Figure 1: The TOPADRE 240W 6-Port Charging Station connected to various devices, illustrating its 240W total power output capability.



Figure 2: The charging station demonstrating its ability to fast charge two laptops simultaneously, with one USB-C port delivering 140W and another 100W.



Figure 3: A detailed view of the charger's LED display, showcasing its advanced GaN II technology, high energy efficiency, and comprehensive safety protections.



Figure 4: The charging station with its extended power cord, illustrating flexibility in placement, and highlighting the included 100W USB-C cable and detachable base.



Figure 5: A visual comparison demonstrating how one TOPADRE charging station can replace multiple individual chargers, significantly reducing desktop clutter.



Figure 6: The charging station positioned against a backdrop of numerous electronic devices, highlighting its broad compatibility with over 999+ devices and various fast charging protocols.

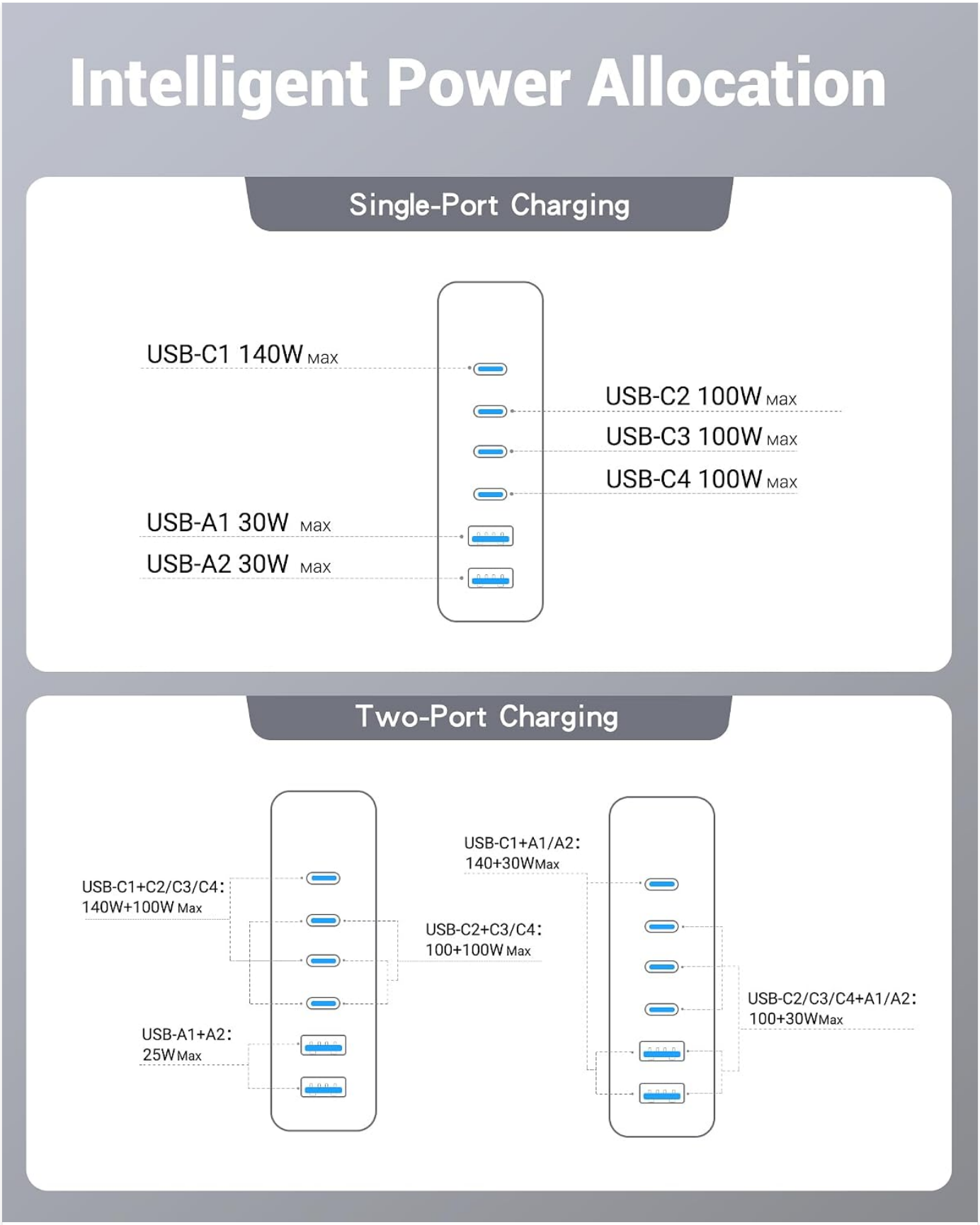


Figure 7: A diagram detailing the intelligent power allocation system for single-port and dual-port charging, showing maximum wattage for each configuration.

5.2 Product Videos

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Video 1: Overview of the TOPADRE 240W Multi-Port High Power Charging Station, demonstrating its features and use cases.

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Video 2: Detailed demonstration of the TOPADRE 240W USB-C Charger with PD3.1 GaN technology and LED Display, showcasing its fast charging capabilities.

6. Maintenance

- **Cleaning:** Disconnect the charger from the power outlet 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 when not in use for extended periods.
- **Cable Care:** Avoid bending or crimping cables excessively, especially near the connectors, to prevent damage.

7. Troubleshooting

Problem	Possible Cause	Solution
Device not charging or charging slowly.	◦ Loose cable connection. ◦ Incompatible cable or device. ◦ Power allocation limits reached. ◦ Charger not powered on.	◦ Ensure all cables are securely connected. ◦ Use a compatible cable (e.g., 140W rated for C1). ◦ Check power output table; disconnect other devices if necessary. ◦ Verify the charger is plugged in and the LED display is active.
LED display is off.	◦ No power supply. ◦ Power cord issue.	◦ Check if the AC power cord is firmly plugged into both the charger and the wall outlet. ◦ Try a different wall outlet.
Charger feels warm during operation.	◦ Normal operation under heavy load.	◦ This is normal for high-power chargers. Ensure adequate ventilation around the unit. If it becomes excessively hot or emits smoke/odor, disconnect immediately and contact support.

8. Safety Information

To prevent injury or damage to your device, please observe the following safety precautions:

- Do not expose the charger to liquids, moisture, or extreme temperatures.
- Do not disassemble, modify, or attempt to repair the charger. This will void the warranty and may cause electric shock or fire.
- Keep out of reach of children.
- Use only the provided AC power cord and compatible charging cables.
- Avoid dropping or subjecting the charger to strong impacts.

- Ensure proper ventilation when in use; do not cover the charger.
- If the charger emits smoke, unusual odors, or makes strange noises, immediately unplug it from the power outlet and contact customer support.

9. Product Specifications

Feature	Detail
Model Number	RCE-24001
Total Power Output	240W Max
USB-C Ports	4 (C1: 140W Max, C2/C3/C4: 100W Max)
USB-A Ports	2 (A1/A2: 30W Max)
Input Voltage	100-240V ~ 3.5A, 50/60Hz
Connectivity Technologies	USB
Special Features	Charging Indicator, Fast Charging, Short Circuit Protection, GaN Technology, LED Display
Color	Black
Item Weight	1.85 pounds (approx. 0.84 kg)
Package Dimensions	7.8 x 6.34 x 2.05 inches (approx. 19.8 x 16.1 x 5.2 cm)
Manufacturer	Shenzhenshi Ezreal Technology Co.,Ltd.

10. Warranty and Support

The TOPADRE 240W 6-Port PD3.1 GaN USB-C Desktop Charging Station comes with a**2-year warranty** from the date of purchase. This warranty covers manufacturing defects and issues arising from normal use.
For technical support, warranty claims, or any questions regarding your product, please contact TOPADRE customer service. Details can typically be found on the product packaging or the official TOPADRE website.

- **Warranty Period:** 24 Months
- **Support:** Responsive customer service is available to assist you.

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

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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