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› ESSAGER 100W GaN 4-Port USB-C Charging Station (Model ES-CD36) Instruction Manual

ESSAGER ES-CD36

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INTRODUCTION

The ESSAGER 100W GaN 4-Port USB-C Charging Station (Model ES-CD36) is designed to provide efficient and versatile charging for multiple devices simultaneously. Featuring two USB-C ports and two USB-A ports, this compact charger delivers a total of 100W power output. Its GaN technology ensures high efficiency and reduced heat generation, making it suitable for charging laptops, smartphones, tablets, and other compatible devices. Integrated safety systems protect against various electrical hazards, ensuring reliable operation.

WHAT'S IN THE BOX

- 1 x ESSAGER 100W GaN 4-Port USB-C Charging Station (Model ES-CD36)
- 2 x USB Cables
- 1 x AC Power Cord (3.3ft/1m)

PRODUCT FEATURES

- **4-Port Simultaneous Charging:** Equipped with two USB-C ports and two USB-A ports, capable of charging up to four devices concurrently with a total output of 100W.
- **High Power Output:** USB-C1 and USB-C2 ports support up to 100W maximum output when used individually. When multiple ports are in use, USB-C1 maintains a 65W maximum output, ensuring efficient laptop charging.
- **Universal Compatibility:** Supports PD/QC3.0 charging protocols and Programmable Power Supply (PPS) for compatibility with a wide range of devices, including Samsung Super Fast Charging.
- **GaN Technology:** Utilizes Gallium Nitride (GaN) technology for efficient power delivery, compact size, and improved heat dissipation.
- **Compact & Lightweight Design:** Portable form factor suitable for travel and desktop use, helping to keep your workspace tidy.
- **Advanced Safety Systems:** Features comprehensive protection against temperature fluctuations, over-current, over-voltage, overcharge, overload, overheating, and short circuits. Certified by UL, CE, and FCC.
- **Intelligent Power Distribution:** The built-in GaN chip automatically distributes the optimal amount of power to each connected device and switches to trickle charging mode when the battery is nearly full, preserving battery life.

Elegant And Compact Design

Keep your desk tidy and save space.

3.3ft (1m)
Power Cord



Image: The compact design of the ESSAGER 100W GaN charger, showing its dimensions (3.8 inches length, 1.81 inches height, 1.85 inches width) and the included 3.3ft (1m) power cord.

GaN Smart Chip

Efficient charging
no longer get heat.

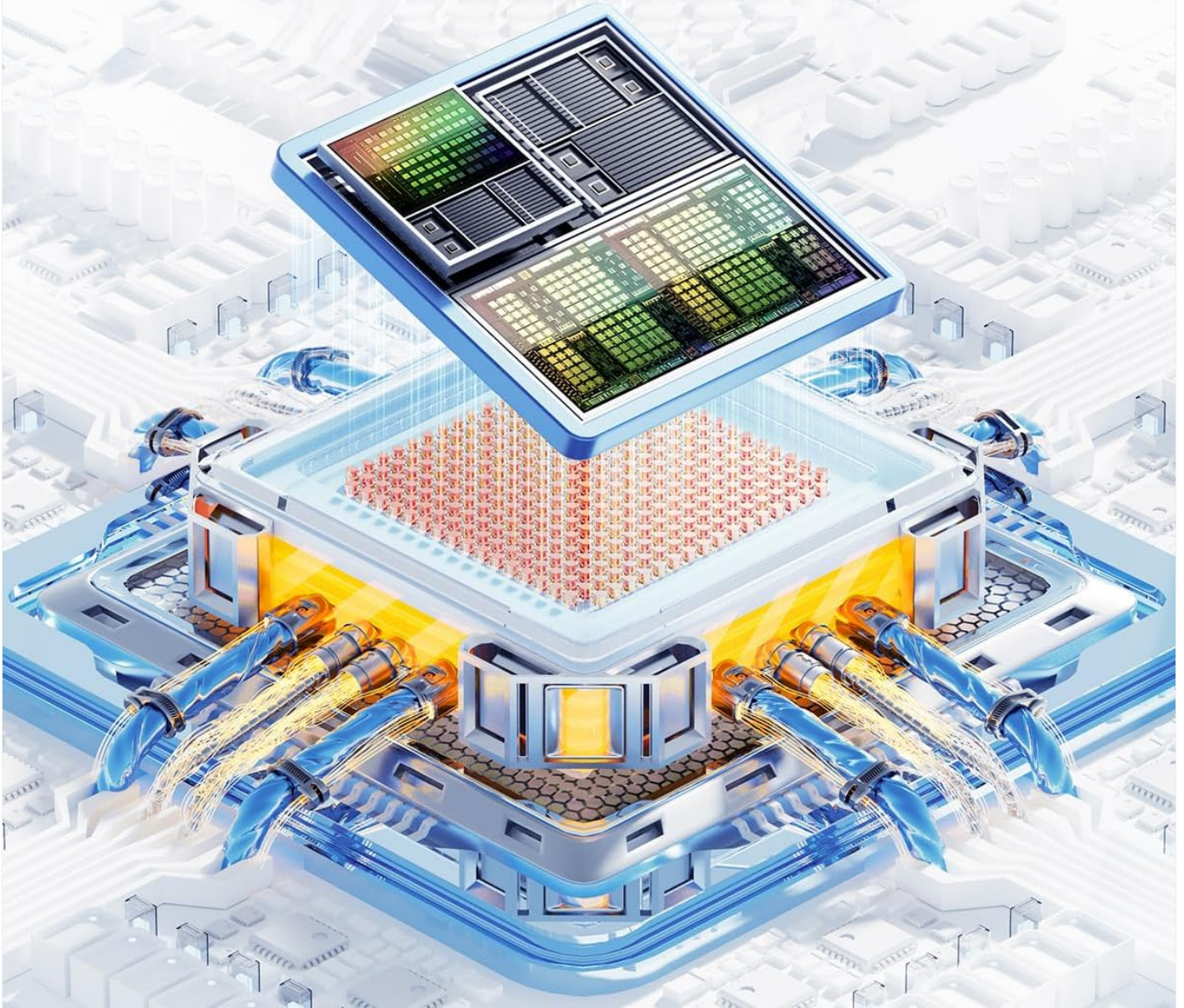


Image: An illustration highlighting the GaN Smart Chip technology, which enables efficient charging and reduced heat generation.

SETUP

1. **Unpack:** Carefully remove the charging station and all accessories from the packaging.
2. **Connect Power Cord:** Insert the included AC power cord into the power input port on the charging station.
3. **Plug into Outlet:** Connect the other end of the AC power cord to a standard wall outlet (110V).
4. **Placement:** Place the charging station on a stable, flat surface, ensuring adequate ventilation. Avoid placing it on soft surfaces that could obstruct airflow.
5. **Ready for Use:** The blue LED indicator on the front of the charger will illuminate, indicating it is powered on and

ready to charge devices.

Universal Compatibility

USB-C1/USB-C2 :
PD3.0/PPS

USB-A1/USB-A2 :
QC3.0



Image: Close-up view of the ESSAGER 100W GaN charger, showing the two USB-C ports (C1, C2) and two USB-A ports (A1, A2) on the front panel.

OPERATING INSTRUCTIONS

To charge your devices, connect them to the appropriate USB-C or USB-A ports using compatible charging cables. The

charging station features intelligent power distribution, automatically adjusting output based on the number and type of connected devices. The blue LED indicator provides real-time monitoring of the charger's operational status.

Power Distribution Overview:

- **Single Port Usage:**

- USB-C1 or USB-C2: Up to 100W Max (PD3.0/PPS)
- USB-A1 or USB-A2: Up to 18W Max (QC3.0)

- **Dual Port Usage:**

- USB-C1 (65W) + USB-C2 (20W): 85W Max
- USB-C1 (65W) + USB-A1 (18W): 83W Max
- USB-C1 (65W) + USB-A2 (18W): 83W Max
- USB-C2 (20W) + USB-A1 (18W): 38W Max
- USB-C2 (20W) + USB-A2 (18W): 38W Max
- USB-A1 (Max) + USB-A2 (Max): 15W Max

- **Three Port Usage:**

- USB-C1 (65W) + USB-C2 (20W) + USB-A1 (18W): 103W Max
- USB-C1 (65W) + USB-C2 (20W) + USB-A2 (18W): 103W Max
- USB-C1 (65W) + USB-A1 (Max) + USB-A2 (Max): 80W Max
- USB-C2 (20W) + USB-A1 (Max) + USB-A2 (Max): 35W Max

- **Four Port Usage:**

- USB-C1 (65W) + USB-C2 (20W) + USB-A1 (Max) + USB-A2 (Max): 100W Max



Image: Detailed diagram illustrating the power distribution logic for the ESSAGER 100W GaN charger when one, two, three, or four ports are in use simultaneously.

4 IN 1 Desktop USB-C Charger

Ensuring high-speed
charging with utmost convenience.



Image: The ESSAGER 100W GaN charger connected to a laptop, smartphone, and tablet, demonstrating its multi-device charging capability.

Your browser does not support the video tag.

Video: An official product video demonstrating the ESSAGER 100W USB-C Charging Station in use, highlighting its ability to charge multiple devices simultaneously and its compact design.

- **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 when not in use.
- **Handling:** Avoid dropping the charger or subjecting it to strong impacts. Do not attempt to disassemble or modify the unit.
- **Cable Care:** Ensure charging cables are not bent sharply or tangled, as this can damage them over time.

TROUBLESHOOTING

Device not charging:

Ensure the charging station is properly plugged into a live power outlet. Verify that the charging cable is securely connected to both the charger and your device. Try a different cable or port to rule out cable or port issues. Check if your device is compatible with the charger's output specifications.

Slow charging:

Confirm that your device and cable support fast charging protocols (PD/QC3.0/PPS). If multiple devices are connected, the total power output is shared, which may reduce individual port speeds. Refer to the "Power Distribution Overview" for expected outputs. Ensure the cable is not excessively long or of poor quality.

Charger feels warm:

It is normal for the charger to become warm during operation, especially under heavy load. The GaN technology helps manage heat. However, if the charger becomes excessively hot to the touch, disconnect it immediately and allow it to cool. Ensure it is placed in a well-ventilated area and not covered. The charger includes temperature protection to prevent overheating.

Blue LED indicator is off:

Check the power connection to the wall outlet and the charger. If the LED remains off, the unit may not be receiving power or could be faulty.

If you experience persistent issues, please refer to the Warranty and Support section for assistance.

SPECIFICATIONS

Feature	Detail
Brand	ESSAGER
Model Number	ES-CD36
Connector Type	USB Type A, USB Type C
Total USB Ports	4 (2x USB-C, 2x USB-A)
Wattage	100W
Input Voltage	110 Volts
Output Current	5 Amps (Max)
Output Voltage	20 Volts (Max)
Special Features	Fast Charging, Lightweight Design, Short Circuit Protection, Travel-friendly

Feature	Detail
Material	Plastic, Thermoplastic Elastomer (TPE)
Certifications	UL, CE, FCC

WARRANTY

This ESSAGER product is covered by a **1-Year Manufacturer's Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or external causes.

SUPPORT

For technical assistance, warranty claims, or any questions regarding your ESSAGER 100W GaN 4-Port USB-C Charging Station, please contact the manufacturer directly through their official website or the retailer where the product was purchased. Please have your model number (ES-CD36) and proof of purchase available when contacting support.

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