User Manual

Multi-Port GaN Fast Charging Adapter

Model: 145W Gallium Nitride Fast Charger (Yellow Mecha Version / White Standard Version)

1. Product Introduction

This charger adopts advanced Gallium Nitride (GaN) technology, featuring high power, small size, lightweight, high efficiency, and low heat generation. It is equipped with multiple USB-C and USB-A output ports, supporting multiple fast charging protocols, compatible with mobile phones, tablets, laptops, game consoles, Bluetooth earphones, smart watches and other digital devices. It is an ideal charging companion for home, office, travel and business trips.

Two styles are available:

- Yellow Mecha Limited Version: 145W high-power GaN fast charging, stylish cyber-mecha appearance, strong heat dissipation, stable output.
- White Standard Version: Compact and portable design, universal multi-port fast charging, safe and durable.

2. Product Specifications

- Product Name: GaN Multi-Port Fast Charging Adapter
- Rated Input: AC 100-240V~50/60Hz 1.8A (Global Wide Voltage)
- Max Output Power: 145W
- Output Interface: 2×USB-C Port, 1×USB-A Port
- USB-C1 Output: 5V3A / 9V3A / 12V3A / 15V3A / 20V5A (100W Max)
- USB-C2 Output: 5V3A / 9V3A / 12V3A / 15V3A / 20V3.25A (65W Max)
- USB-A Output: 4.5V5A / 5V4.5A / 9V3A / 12V2.5A (30W Max)
- Triple Ports Simultaneous Output:C1+C2+A: 65W + 45W + 30W (Total 140W Max)
- Supported Fast Charging Protocols: PD3.0, QC3.0, QC2.0, SCP, FCP, AFC, PPS, Apple 2.4A, Samsung AFC, etc.
- Material: Flame retardant PC shell, high-temperature resistant internal components
- Color: Yellow (Mecha Version), White (Standard Version)
- Working Temperature: -10□ ~ 45□
- Storage Temperature: -20□ ~ 60□

3. Product Features

1. **GaN High-Efficiency Chip**: Adopts third-generation gallium nitride semiconductor material, reducing volume while improving conversion efficiency, lower energy consumption and heat.
2. **145W High Power Output**: Supports 100W single port PD fast charging, fully charges most laptops, tablets and high-power smartphones quickly.

3. **Triple Ports Output**: 2 USB-C + 1 USB-A ports, supports three devices charging at the same time, intelligent shunt, no mutual interference.
4. **Wide Voltage Compatibility**: AC 100-240V global input voltage, suitable for use in most countries and regions around the world.
5. **Multiple Fast Charge Protocols**: Compatible with mainstream digital devices of Apple, Huawei, Xiaomi, Samsung, Dell, Lenovo and other brands.
6. **Compact & Portable**: Miniaturized design, easy to carry, saves space, perfect for travel and business.
7. **Premium Appearance**: Yellow version with cyber-mecha printing, stylish and personalized; White version simple and minimalist, versatile for daily use.
8. **Multiple Safety Protections**: Built-in intelligent protection chip to ensure safe charging.

4. How to Use

1. Connect the charger plug to a standard AC power socket (100-240V).
2. Use a certified data cable to connect your digital device to the USB-C or USB-A port of the charger.
3. The charger will automatically identify the device and match the optimal charging current and voltage.
4. After the device is fully charged, unplug the data cable and the charger from the power socket in sequence.
5. When charging multiple devices at the same time, the charger will intelligently distribute power to ensure stable and efficient charging for all devices.

Note: For maximum fast charging speed, please use a data cable that supports PD/QC high current transmission.

5. Safety Instructions & Warnings

- Please read all instructions carefully before use to avoid damage to the product or connected devices.
- This product is only for indoor use, do not use in damp, high temperature, flammable and explosive environments.
- Do not disassemble, knock, squeeze, burn or immerse the charger in water or any liquid.
- Do not touch the plug with wet hands to prevent electric shock.
- Please use a standard grounded power socket, do not use overloaded or damaged sockets.
- Keep the product away from children and pets to avoid accidental swallowing or electric shock.
- If the charger is abnormal (heating, odor, deformation, damage), stop using it immediately and disconnect the power supply.

- Do not use this charger to power non-compliant electrical equipment, so as not to cause equipment damage or safety hazards.
- The charger will generate slight heat during high-power charging, which is a normal phenomenon. Please ensure good ventilation during use.
- This product is a charging adapter only, does not include data cables, please purchase and use compatible certified cables separately.

6. Protection System

This charger is equipped with a full range of intelligent safety protection systems:

- Over Voltage Protection (OVP)
- Over Current Protection (OCP)
- Over Power Protection (OPP)
- Over Temperature Protection (OTP)
- Short Circuit Protection (SCP)
- Overcharge Protection
- Leakage Protection
- Lightning Surge Protection

All protections work automatically to protect the charger and your digital devices.

7. Maintenance & Care

- Keep the product clean and dry. Wipe the surface with a dry soft cloth. Do not use corrosive or volatile cleaning agents.
- Avoid dropping, collision or strong vibration, which may cause internal structural damage.
- Store the product in a dry, cool and ventilated environment when not in use.
- Do not wrap or cover the charger during charging, so as not to affect heat dissipation.

8. Troubleshooting

1. Cannot charge normally
2.
   - Check whether the power socket is powered on normally.
   - Check whether the data cable and charging interface are firmly connected.
   - Replace the data cable to exclude cable damage.
   - Check whether the device interface is normal.
3. Slow charging speed
4.

- Confirm that the device supports fast charging protocol.
- Use a high-power data cable that matches fast charging.
- Reduce the number of charging devices at the same time to increase single-port power.

5. Abnormal heat

6.

- Stop charging and check whether the socket is overloaded.
- Move the charger to a well-ventilated area.
- Stop using if continuous overheating occurs.

9. Certification & Compliance

This product complies with FCC, CE, RoHS and other international safety and environmental protection standards, and has passed strict quality inspection before leaving the factory.

10. After-sales Service

- The product enjoys a 12-month limited warranty from the date of purchase.
- The warranty does not cover damage caused by human factors, improper use, disassembly, natural disasters or other non-product quality problems.
- For after-sales consultation and maintenance, please contact the official seller or customer service.