

Prolink PTC36501 WHT

Prolink PTC36501 3-Port 65W GaN PPS PD Travel Wall Charger User Manual

Model: PTC36501 WHT

INTRODUCTION

The Prolink PTC36501 is a versatile 65W 3-port GaN PD Charger designed for efficient and fast charging of multiple devices simultaneously. Featuring IntelliSense technology, two USB-C PD 3.0 PPS ports, and one USB Quick Charge 3.0 port, it offers optimal charging for a wide range of compatible devices. Its compact design, enabled by GaN technology, makes it an ideal travel companion.

Key features include:

- 3-Port wall charger (2x USB-C PD, 1x QC3.0)
- Up to 65W total charging output
- GaN technology for compact size and improved efficiency
- PPS Technology for Super Fast Charging (e.g., Samsung Note 10, Galaxy S20/S21 series)
- Power Delivery for rapid charging (e.g., iPhone X/13 from 0-50% in 30 minutes)
- Includes 3-in-1 travel adaptors (Foldable US Pin, EU pin, UK pin)
- Worldwide Input Voltage: AC 100-240V 50/60Hz

PACKAGE CONTENTS

Please ensure all items are present in the package:

- 1 x Prolink PTC36501 3-port GaN PD Charger (Foldable US Pin)
- 1 x EU pin plug
- 1 x UK pin plug
- 1 x User Guide (this document)

SETUP

The Prolink PTC36501 charger is designed for ease of use. Follow these steps to set up your charger:

1. **Select the Appropriate Travel Plug:** The charger comes with a foldable US pin. For use in other regions, attach the provided EU or UK pin plug to the charger. Align the pins and gently push until it clicks into place.
2. **Connect to Power Outlet:** Insert the charger into a compatible wall power outlet (AC 100-240V, 50/60Hz).
3. **Prepare Your Devices:** Ensure your devices are compatible with USB-C Power Delivery (PD) or Quick Charge

(QC) standards. Use appropriate charging cables for your devices.



Image: The Prolink PTC36501 charger shown with its foldable US pin and the included EU and UK interchangeable travel plugs, ready for global use.



- **Power Delivery 3.0 PPS**
 - 1 port: 65W Max
 - 2 ports: 45W + 18W (63WMax)
- **Quick Charge 3.0**
 - 4.5V/5A, 5V/4.5A, 9V/3A, 12V/2.5A, 20V/1.5A (30W max)

65W 
TOTAL CHARGING OUTPUT

Dimension: **58.6 x 29.5 x 47mm** | Weight: **110g**

100-240V
Wide Voltage
50 / 60 Hz



Foldable US Pin

Interchangeable UK & EU pin

Image: A visual representation of the charger's 100-240V wide voltage compatibility and the mechanism for attaching the foldable US, EU, and UK interchangeable pins.

OPERATING INSTRUCTIONS

The Prolink PTC36501 charger features IntelliSense technology to optimize charging for connected devices. It has two USB-C PD 3.0 PPS ports and one USB Quick Charge 3.0 port.

1. **Single Device Charging:** Connect your device to any available port using a compatible charging cable. The IntelliSense technology will automatically detect your device and deliver the optimal charging speed up to 65W. For best performance with high-power devices like laptops, use one of the USB-C PD ports.
2. **Multiple Device Charging:** You can charge up to three devices simultaneously. The charger intelligently distributes the 65W total output across the connected ports. For optimal charging of specific devices, refer to the 'Power Allocation' section below.
3. **GaN Technology:** This charger utilizes Gallium Nitride (GaN) technology, which allows for a smaller, lighter, and more efficient charger compared to traditional silicon-based chargers. This results in faster charging with less heat.

generation.

4. **PPS Technology:** The USB-C PD ports support Programmable Power Supply (PPS), enabling super-fast charging for compatible devices such as Samsung Note 10, Galaxy S20, and S21 series.
5. **Power Delivery (PD):** The USB-C ports deliver Power Delivery, allowing for rapid charging of devices like iPhones (e.g., iPhone X/13 from 0-50% within 30 minutes) and compatible laptops.



Image: This illustration shows the Prolink PTC36501 charger providing high-speed charging, capable of fully charging a MacBook Pro in 2.1 hours and an iPhone 12 to 50% in 30 minutes.

ADVANCED PROTECTION



Short Circuit
Protection



Overload
Protection



Over Voltage
Protection



Over
Temperature
Protection



Over Current
Protection



Image: A chart detailing the universal compatibility of the PTC36501 charger with various laptops (Apple, Lenovo, HP, Asus, Dell, Acer), tablets (iPad Pro/Air/Mini), phones (Apple, Samsung, Huawei, Sony), and other devices like Nintendo Switch, Apple Watch, and wireless earbuds.

Power Allocation

The charger intelligently allocates power based on the number and type of connected devices. Below is a general guide:

UNIVERSAL COMPATIBILITY

..... PTC36501 3-port GaN PD Charger

Laptop



Apple

MacBook Pro, MacBook Air, MacBook

Lenovo

ThinkPad

HP

Spectre

Asus

Zenbook

Dell

XPS 13, Latitude

Acer

Swift 3, Swift 5, SPIN 5

Tablet



iPad Pro / iPad Air / iPad Mini

Phone



Apple

iPhone 12 Pro Max, 12 Pro, 12, 12 Mini, 11 Pro, 11, XR, X, 8 plus, 8

Samsung

Note Fan Edition, note10+ 5G, S10, S20 Ultra, S8, S8+, S9, S9+

Huawei

Mate 20, Mate RS, Mate10, Mate20 Pro, Mate 30 (4G), P20 Pro, P40

Sony

Xperia Z2

Others



Nintendo Switch

Apple Watch

Wireless Earbuds

and more

*Use PD PPS1 and PD PPS2 for optimal charging.

Image: A diagram illustrating how the 65W total output is distributed when connecting one, two, or three devices, showing different power outputs for each port depending on the load.

For optimal charging, especially for laptops, it is recommended to use a single USB-C PD port. When multiple devices are connected, the power output per port will adjust accordingly.

MAINTENANCE

To ensure the longevity and optimal performance of your Prolink PTC36501 charger, please follow these maintenance guidelines:

- **Cleaning:** Disconnect the charger from the power outlet before cleaning. Use a soft, dry cloth to wipe the surface of the charger. Do not use liquid cleaners, aerosols, or solvents.
- **Storage:** When not in use, 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 attempt to disassemble or modify

the charger, as this will void the warranty and may cause damage or injury.

- **Cable Care:** Always pull the plug, not the cable, when disconnecting from devices or power outlets. Avoid bending or crimping cables excessively.

TROUBLESHOOTING

If you encounter issues with your Prolink PTC36501 charger, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device not charging or charging slowly.	<ul style="list-style-type: none">• Loose cable connection.• Incompatible charging cable.• Device not supporting fast charging standards (PD/QC/PPS).• Too many devices connected, exceeding optimal power allocation for a specific device.• Faulty power outlet.	<ul style="list-style-type: none">• Ensure all cables are securely connected to both the charger and the device.• Use a high-quality cable that supports fast charging (e.g., USB-C to USB-C for PD).• Verify your device's charging specifications.• Try charging the device individually on a USB-C PD port.• Test the charger with a different power outlet.
Charger feels warm during operation.	<ul style="list-style-type: none">• Normal operation, especially during high-power charging.• Poor ventilation.	<ul style="list-style-type: none">• This is normal. The GaN technology helps manage heat efficiently.• Ensure the charger is in a well-ventilated area and not covered. If it becomes excessively hot, disconnect it immediately.
Charger not working at all.	<ul style="list-style-type: none">• No power from the outlet.• Internal fault.	<ul style="list-style-type: none">• Check the power outlet with another device.• If the issue persists, contact Prolink customer support.

Advanced Protection Features

The Prolink PTC36501 is equipped with multiple safety features to protect your devices and the charger itself:

- **Short Circuit Protection:** Prevents damage from electrical shorts.
- **Overload Protection:** Safeguards against excessive power draw.
- **Over Voltage Protection:** Protects devices from voltage spikes.
- **Over Temperature Protection:** Monitors and regulates internal temperature.
- **Over Current Protection:** Prevents damage from excessive current flow.

POWER ALLOCATION



Image: An illustration highlighting the advanced protection features integrated into the charger, including safeguards against short circuits, overload, over voltage, over temperature, and over current.

SPECIFICATIONS

Brand	Prolink
Model Name	PTC36501
Model Number	PTC36501 WHT
Wattage	65 watts (Total Output)
Number of Ports	3 (2x USB-C PD, 1x USB-A QC3.0)
Input Voltage	AC 100-240V 50/60Hz

Dimensions (L x W x H)	5.86 x 2.95 x 0.47 cm
Weight	125 g
Special Features	Fast Charging, Lightweight Design, Retractable Plug, GaN Technology, PPS, IntelliSense
Included Components	1 x PTC36501 Charger (Foldable US Pin), 1 x EU pin plug, 1 x UK pin plug, 1 x User Guide



Image: A visual comparison highlighting the compact design of the Prolink PTC36501 charger, showing its dimensions (58.6mm x 47mm) and stating it is 35% smaller than typical chargers.

WARRANTY AND SUPPORT

Prolink products are designed and manufactured to the highest quality standards. While specific warranty details may

vary by region and retailer, Prolink typically offers a limited warranty against defects in materials and workmanship from the date of purchase.

For warranty claims, technical support, or any inquiries regarding your Prolink PTC36501 charger, please contact Prolink customer support through their official website or the retailer where the product was purchased. Keep your proof of purchase for warranty validation.

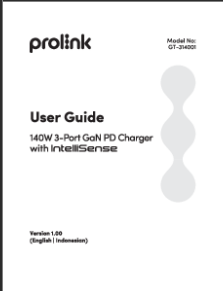

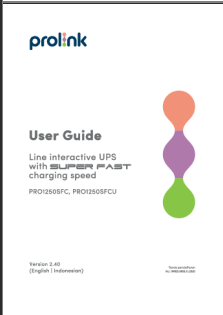
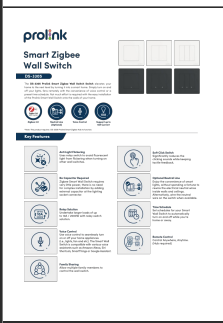
You can visit the official Prolink store for more information:[Prolink Official Store](#)



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This manual is subject to change without notice.

Related Documents

	<p>Prolink 140W 3-Port GaN PD Charger User Guide</p> <p>User guide for the Prolink 140W 3-Port GaN PD Charger with IntelliSense, detailing specifications, usage, features like USB Power Delivery and Quick Charge, and troubleshooting information.</p>
	<p>PROLiNK PRO1201SFC/SFCU Line Interactive UPS - Features and Specifications</p> <p>Detailed overview of the PROLiNK PRO1201SFC/SFCU Line Interactive UPS, highlighting its Super-Fast Charging, True AVR, wide input voltage range, and comprehensive specifications for home and small office use.</p>
	<p>Prolink PRO1250SFC/SFCU User Guide: Line Interactive UPS with Super Fast Charging</p> <p>Comprehensive user guide for the Prolink PRO1250SFC and PRO1250SFCU line interactive UPS systems, covering installation, operation, maintenance, troubleshooting, and specifications. Features super fast charging.</p>
	<p>Prolink Smart Zigbee Wall Switch DS-3305 Home Automation</p> <p>Discover the Prolink DS-3305 Smart Zigbee Wall Switch. Control lights and fans remotely, via voice, or schedules. Features 10A capacity, Zigbee 3.0, and easy installation for a smarter home.</p>