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TESSAN PA1301U

TESSAN PA1301U 130W 8-in-1 USB-C Charging Station Instruction Manual

Model: PA1301U

INTRODUCTION

This manual provides essential information for the safe and efficient use of your TESSAN PA1301U 130W 8-in-1 USB-C Charging Station. Please read this manual thoroughly before operating the device and retain it for future reference.



Image: The TESSAN PA1301U 130W 8-in-1 USB-C Charging Station, showcasing its compact design and integrated power cord.

PRODUCT FEATURES

The TESSAN PA1301U is a versatile charging solution designed to power multiple devices simultaneously. Key features include:

- **130W Power Delivery:** High-speed charging for demanding devices.
- **8-in-1 Connectivity:** Features 3 USB-C ports, 2 USB-A ports, and 3 AC outlets.
- **GaN Technology:** Utilizes Gallium Nitride for faster charging, higher energy efficiency, and improved heat dissipation.
- **Universal Compatibility:** Supports a wide range of devices including laptops, smartphones, tablets, and gaming consoles.
- **Multi-Protection System:** Built-in safeguards against overheating, overload, overcurrent, overvoltage, short circuit, and ground protection.
- **Compact Design:** Slim profile with a 5-foot extension cable, suitable for various environments.
- **Anti-slip Rubber Pads:** Four pads on the bottom enhance stability and prevent movement.



Image: Overview of the TESSAN charging station highlighting its 8-in-1 functionality with 3 USB-C, 2 USB-A, and 3 AC outlets, powered by GaN technology for up to 130W output.

SETUP INSTRUCTIONS

- 1. Unpack the Device:** Carefully remove the charging station from its packaging. Ensure all components, including the 5-foot extension cord, are present.
- 2. Placement:** Place the charging station on a stable, flat surface. The integrated anti-slip rubber pads will help secure it in place. Ensure adequate ventilation around the unit.
- 3. Connect to Power:** Plug the charging station's 5-foot power cord into a standard AC wall outlet (100-240V, 50/60Hz).
- 4. Device Connection:** Connect your devices to the appropriate ports:
 - Use the 3 USB-C ports for devices requiring USB-C power delivery.
 - Use the 2 USB-A ports for devices requiring standard USB-A charging.
 - Use the 3 AC outlets for devices requiring standard wall power.

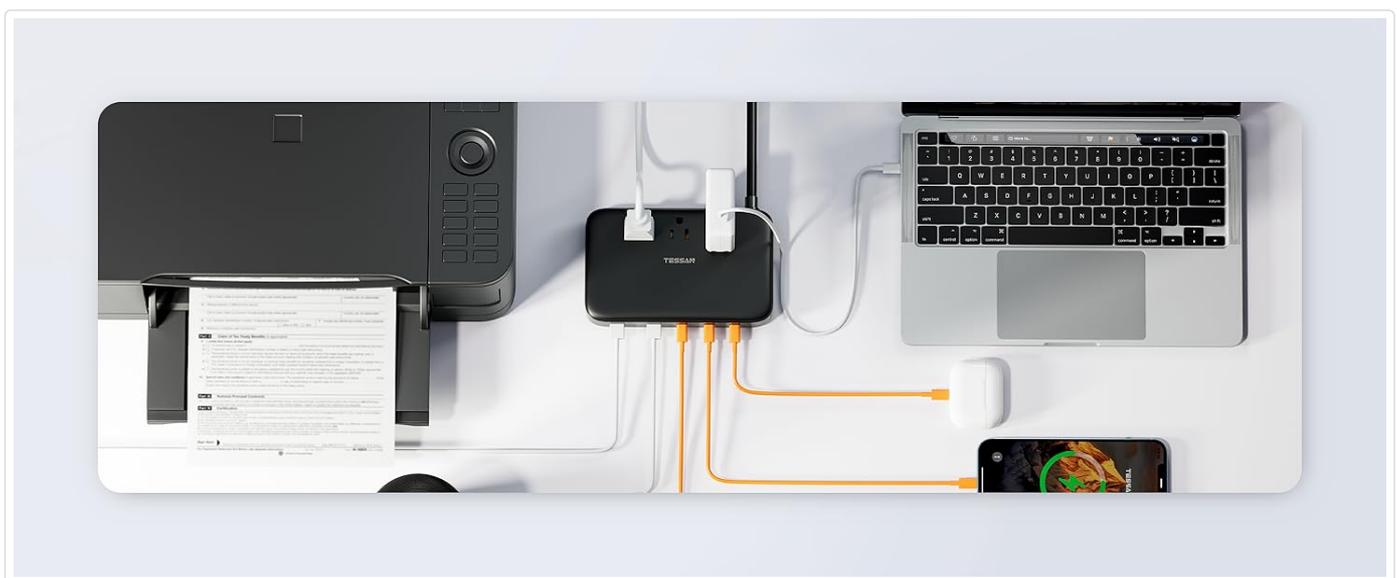


Image: The TESSAN charging station in use, demonstrating how it organizes multiple device connections on a desk, reducing clutter.

OPERATING INSTRUCTIONS

The TESSAN PA1301U charging station operates automatically once connected to a power source. It intelligently detects connected devices and delivers optimal charging speeds.

Charging Capabilities:

- **USB-C Ports:** Each USB-C port can deliver up to 100W when used individually.
- **USB-A Ports:** Each USB-A port can deliver up to 30W when used individually.
- **AC Outlets:** The three AC outlets provide up to 1875W total power.

When multiple ports are in use, the total 130W power output is dynamically distributed among the connected devices to ensure efficient charging. For example, charging a MacBook Pro 16" from 0% to 50% can take approximately 40 minutes when utilizing a single 100W USB-C port.

Power Distribution Examples:

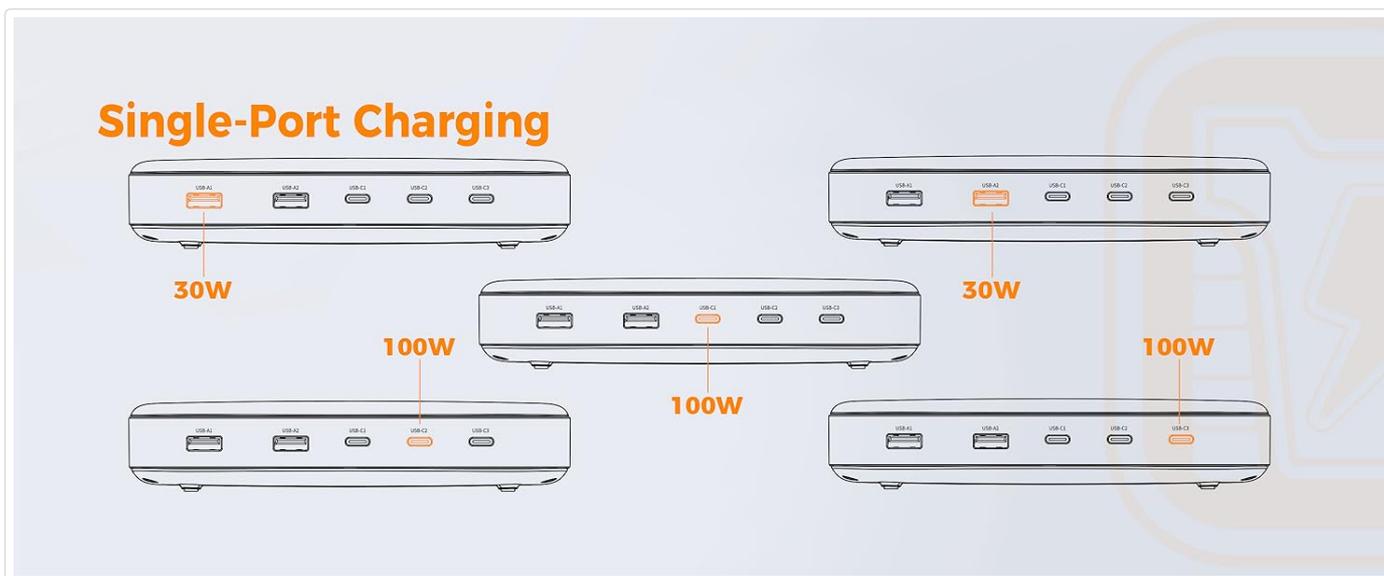


Image: Illustration of power output when only one port is in use, showing 100W for USB-C and 30W for USB-A.

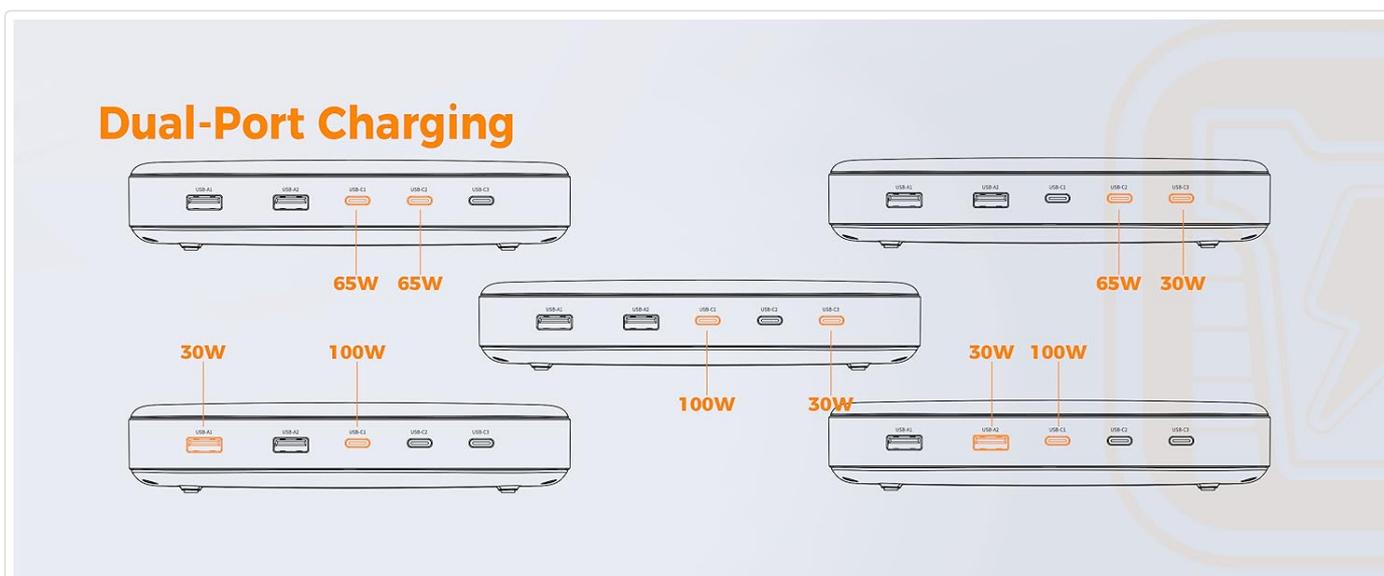


Image: Illustration of power distribution when two ports are simultaneously charging, demonstrating dynamic power allocation (e.g., 65W + 65W, or 100W + 30W).



Image: Illustration of power distribution when three ports are simultaneously charging, showing examples like 65W + 30W + 20W.

Quad-Port Charging



Image: Illustration of power distribution when four or more ports are simultaneously charging, showing examples like 20W + 45W + 30W + 20W.

For optimal charging, refer to your device's charging specifications and use appropriate cables. The charging station will automatically adjust power output based on the connected devices' requirements and the total available power.

SAFETY INFORMATION

Your TESSAN PA1301U charging station is equipped with multiple safety features to protect your devices and ensure safe operation:

- **Temperature Control:** Prevents overheating during operation.
- **Overload Protection:** Shuts off power if the total load exceeds safe limits.
- **Overcurrent Protection:** Safeguards against excessive current flow.
- **Overvoltage Protection:** Protects devices from voltage spikes.
- **Short Circuit Protection:** Prevents damage from short circuits.
- **Grounding Protection:** Ensures proper electrical grounding for safety.

To maintain safety and optimal performance:

- Do not expose the device to liquids or extreme temperatures.
- Do not disassemble or attempt to repair the unit.
- Avoid placing heavy objects on the charging station or its cable.
- Ensure the total power draw of connected AC devices does not exceed 1875W.

SMALLER VOLUME FASTER SPEED

GaN Technology: Providing Multiple Safeguards



Image: Diagram illustrating the various safety features of the TESSAN charging station, including temperature control, overload, overcurrent, overvoltage, short circuit, and grounding protection.

MAINTENANCE

To ensure the longevity and optimal performance of your charging station:

- **Cleaning:** Disconnect the charging station from the power outlet before cleaning. Use a soft, dry cloth to wipe the surface. Do not use liquid cleaners or abrasive materials.
- **Storage:** When not in use for extended periods, unplug the device and store it in a cool, dry place away from direct sunlight and moisture.
- **Cable Care:** Avoid bending or crimping the power cord excessively. Do not pull the cord to unplug the device; always grasp the plug itself.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not charging.	<ol style="list-style-type: none">1. Charging station not powered.2. Cable is faulty.3. Device is incompatible or requires more power than available.	<ol style="list-style-type: none">1. Ensure the charging station is plugged into a live AC outlet.2. Try a different charging cable.3. Check device specifications and ensure it's connected to an appropriate port. Reduce the number of high-power devices connected simultaneously.
Slow charging speed.	<ol style="list-style-type: none">1. Multiple high-power devices connected.2. Cable is not suitable for fast charging.3. Device's battery management system.	<ol style="list-style-type: none">1. Disconnect some devices to allow more power to critical devices.2. Use a high-quality cable rated for fast charging.3. This is normal behavior for some devices to protect battery health.
Charging station feels warm.	Normal operation, especially during high-power charging.	Ensure adequate ventilation. If it becomes excessively hot or emits smoke/odor, unplug immediately and contact support.

Problem	Possible Cause	Solution
AC outlets not working.	Overload protection triggered.	Unplug all AC devices, wait a few minutes, then plug them back in one by one, ensuring total wattage does not exceed 1875W.

SPECIFICATIONS

Feature	Detail
Model Number	PA1301U
Input	100-240V~, 50/60Hz, 1.5A Max
AC Output	125V~, 15A, 1875W Max
USB-C Output (Total)	130W Max
USB-C1/C2/C3 Single Port Output	5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/5A (100W Max)
USB-A1/A2 Single Port Output	5V/3A, 9V/3A, 12V/2.5A (30W Max)
Dimensions	6.42 x 4.06 x 1.26 inches
Weight	1.68 pounds (approx. 25.93 ounces)
Cable Length	5 feet (1.5 meters)
Technology	GaN (Gallium Nitride), PD 3.0, QC 4.0
Color	Black



Image: Visual representation of the charging station's dimensions, weight, and the presence of GaN technology and anti-slip rubber feet.

VIDEO GUIDE

Watch this official product video for a quick overview of the TESSAN 8-in-1 USB Charging Station's features and benefits.

Your browser does not support the video tag.

Video: An official overview of the TESSAN 8-in-1 USB Charging Station, demonstrating its various ports and compact design.

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or visit the official TESSAN website. The product includes 24-hour friendly customer service.

Manufacturer: Shenzhen Xinspower Technology Co., Ltd

