

TESSAN TS-167US-US-C-SG

TESSAN Surge Protector Outlet Extender (Model TS-167US-US-C-SG) User Manual

Model: TS-167US-US-C-SG | Brand: TESSAN

1. PRODUCT OVERVIEW

The TESSAN Surge Protector Outlet Extender is designed to expand your power options, transforming a single wall outlet into multiple AC outlets and USB charging ports. This compact device is ideal for home, office, dorm rooms, and travel, providing a convenient and safe power solution for various electronic devices.

Key Features:

- **7-in-1 Multi-Plug Design:** Converts one standard wall socket into 4 AC outlets and 3 USB ports (2 USB-A, 1 USB-C), allowing simultaneous charging of up to 7 devices.
- **USB Charging Ports:** Includes dual USB-A ports (2.4A each) and one USB-C port (3A), capable of detecting connected devices for optimal charging speed.
- **Surge Protection:** Protects sensitive electronics from power surges and spikes with a maximum power rating of 1875W.
- **Space-Saving Design:** Compact form factor (4.29 x 1.77 x 1.18 inches) and side-facing outlets prevent blocking adjacent wall outlets.
- **Wide Compatibility:** Compatible with standard N American 2 or 3-prong flat pin plugs and fits both GFCI and standard receptacles.

7 IN 1 Outlet Extender

Charging 7 devices at the same time



Image 1.1: The TESSAN Surge Protector Outlet Extender in use, demonstrating its 7-in-1 capability with various devices connected.

2. SETUP INSTRUCTIONS

1. **Unpack the Device:** Carefully remove the TESSAN Surge Protector Outlet Extender from its packaging.
2. **Identify a Suitable Outlet:** Locate a standard 2-prong or 3-prong wall outlet. The extender is designed to fit securely into the top outlet of a duplex receptacle without obstructing the bottom one.
3. **Plug In the Extender:** Insert the extender's prongs firmly into the chosen wall outlet. Ensure it is seated flush against the wall for a stable connection.
4. **Verify Power:** A small blue indicator light on the top of the extender will illuminate, confirming that the device is receiving power and the surge protection is active.



Image 2.1: The TESSAN Surge Protector Outlet Extender securely plugged into a wall outlet.

3. OPERATING INSTRUCTIONS

Using AC Outlets:

- The extender provides 4 AC outlets. Two are located on the front face, and one on each side.
- These outlets are widely spaced (2.03 inches between front outlets) to accommodate larger power adapters without blocking adjacent ports.
- Plug your electronic devices directly into any available AC outlet. Ensure the total power consumption does not exceed 1875W.

Wide Spacing

Insert 2 large plugs on the front without blocking



Image 3.1: Demonstrating the wide spacing of the AC outlets, allowing multiple large plugs to be used simultaneously.

Using USB Charging Ports:

- The extender features 2 USB-A ports and 1 USB-C port on the top.
- Connect your USB-powered devices (e.g., smartphones, tablets, smartwatches, earphones) using appropriate USB cables.
- The USB-A ports deliver up to 2.4A, and the USB-C port delivers up to 3A, providing efficient charging.



Image 3.2: A smartphone being charged via the USB-C port on the TESSAN extender.

Surge Protection:

- The built-in surge protector safeguards your connected devices from voltage fluctuations.
- The blue indicator light confirms active surge protection. If the light is off, the surge protection may have been compromised, and the unit should be replaced.



Image 3.3: Visual representation of the surge protection feature, showing the extender protecting a laptop.

4. MAINTENANCE

- **Cleaning:** Disconnect the extender from the wall outlet before cleaning. Use a dry, soft cloth to wipe the surface. Do not use liquid cleaners or aerosols.
- **Storage:** When not in use, store the extender in a cool, dry place away from direct sunlight and moisture.
- **Inspection:** Periodically inspect the extender for any signs of damage, such as frayed cables, loose connections, or discolored housing. If damage is found, discontinue use and replace the unit.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power to devices	Extender not fully plugged in; Wall outlet not functioning; Overload; Surge protection tripped.	Ensure extender is firmly plugged in. Test the wall outlet with another device. Reduce the number of connected devices. If the surge protection light is off, replace the unit.

Problem	Possible Cause	Solution
Slow USB charging	Device requires higher current; Faulty USB cable; Multiple devices drawing power simultaneously.	Use the correct USB port (USB-C for faster charging if supported). Try a different USB cable. Disconnect other devices to test individual port performance.
Extender feels warm	Normal operation under load; Overload.	A slight warmth is normal. If it feels excessively hot, immediately unplug all devices and the extender. Reduce the load and allow it to cool before re-using.

6. SPECIFICATIONS

- **Model Number:** TS-167US-US-C-SG
- **Product Dimensions:** 4.29 x 1.77 x 1.18 inches
- **Item Weight:** 5 ounces
- **AC Outlets:** 4 (Standard N American 2 or 3-prong)
- **USB Ports:** 3 (2 USB-A, 1 USB-C)
- **USB-A Output:** 5V/2.4A Max per port
- **USB-C Output:** 5V/3A Max
- **Total DC Output:** 15W
- **Rated Power:** 1875W-15A Max, 125V~
- **Surge Protection:** Yes
- **Manufacturer:** Zhuhai TESSAN Power Technology Co., Ltd.

7. PRODUCT VIDEOS

Outlet Splitter with 4 Electrical Outlets 3 USB Ports

Your browser does not support the video tag.

Video 7.1: An official TESSAN video showcasing the features of the outlet splitter, including its 4 AC outlets and 3 USB ports.

8. WARRANTY AND SUPPORT

For warranty information or technical support, please contact TESSAN customer service through their official website or the retailer where the product was purchased. Keep your purchase receipt as proof of purchase.