



## 8-Port GREENnet Gigabit PoE+ Switch TPE-TG44g (v2.1R)

TRENDnet's 8-Port GREENnet Gigabit PoE+ Switch, model TPE-TG44g, reduces equipment and installation costs by delivering data and power over existing Ethernet cables. This unmanaged switch offers four Gigabit PoE+ and four Gigabit non-PoE ports. The PoE+ standard supplies up to 30 watts of power per port for devices such as high power wireless access points, PTZ (Pan Tilt Zoom) Internet cameras, and VoIP telephony systems.

Auto sensing technology delivers 30 watts to 802.3at PoE+ devices (up to 2 devices), 15 watts to 802.3af PoE devices (up to 4 devices), and only data to non-PoE devices. GREENnet technology reduces energy consumption by up to 75% when the switch is not in use. Boost office efficiency and reduce network congestion with a total switching capacity of 16 Gbps. LED indicators display device status for efficient troubleshooting. This switch comes in a sturdy metal case and quickly adds PoE+, PoE, and non-PoE devices to your network.

## PRODUCT OVERVIEW

- 4 x Gigabit PoE/PoE+ ports (up to 30 Watts per PoE+ port)
- 4 x Gigabit ports
- Reduces equipment cost by delivering data and power over existing network cables
- 16 Gbps switching capacity
- Sturdy metal case
- Up to 75% GREENnet power savings
- Up to 30 Watts per port with a 68 Watt total power budget
- Limited lifetime warranty



## FEATURES

- IEEE 802.3at and IEEE 802.3af Power over Ethernet (PoE) compliant
- Supports PoE Class 2 (7 watts) , 3 (15.4 watts), and 4 (30 watts)
- 4 x Gigabit Auto-MDIX PoE/PoE+ RJ-45 ports
- 4 x Gigabit Auto-MDIX RJ-45 ports
- Provides up to 30 watts for PoE+ (2 ports Max)
- Provides up to 15.4 watts for PoE (4 ports Max)
- Automatically detects the PoE class level of a Powered Device
- 16 Gbps switching fabric
- Forwarding Rate: 11.9mpps
- Status LEDs: System Power, PoE, 1000 Mbps, and Link/Activity
- 1K Mac address entries
- 96Kbyte memory buffer
- Full wire-speed non-blocking reception and transmission
- Store-and-forward switching method
- Back pressure Flow Control for Half-Duplex mode
- IEEE 802.3x Flow Control for Full-Duplex mode
- Power saving technology powers down unused ports and when a connected device is in standby mode
- Jumbo Frame support up to 9K
- Plug and Play
- Sturdy metal case
- Limited lifetime warranty

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## SPECIFICATIONS

### HARDWARE

<b>Standard</b>	<ul style="list-style-type: none"><li>• IEEE 802.3 10Base-T</li><li>• IEEE 802.3u 100Base-TX</li><li>• IEEE 802.3ab 1000Base-T</li><li>• IEEE 802.3at Power over Ethernet (PoE+)</li><li>• IEEE 802.3af Power over Ethernet (PoE)</li><li>• IEEE 802.3X Flow Control</li><li>• IEEE 802.3az Energy Efficient Ethernet</li></ul>
<b>Ports</b>	<ul style="list-style-type: none"><li>• 4 x Gigabit Auto-MDIX PoE+ RJ-45 ports 4 x Gigabit Auto-MDIX RJ-45 ports</li></ul>
<b>Data Transfer Rate</b>	<ul style="list-style-type: none"><li>• Ethernet: 10/20 Mbps (Half/Full Duplex)</li><li>• Fast Ethernet: 100/200 Mbps (Half/Full Duplex)</li><li>• Gigabit: 2000 Mbps (Full Duplex)</li></ul>
<b>Forwarding Rate</b>	<ul style="list-style-type: none"><li>• 11.9 mpps (based on 64-byte packet size)</li></ul>
<b>Data RAM Buffer</b>	<ul style="list-style-type: none"><li>• 96K bytes</li></ul>
<b>Address Table</b>	<ul style="list-style-type: none"><li>• 1K MAC entries</li></ul>
<b>Switch Fabric</b>	<ul style="list-style-type: none"><li>• 16 Gbps</li></ul>
<b>Power</b>	<ul style="list-style-type: none"><li>• Input: 100-240 V AC 50/60 Hz, 1.5 A</li><li>• Output: 52 V DC, 1.38 A External Power Adapter</li></ul>
<b>Diagnostic LEDs</b>	<ul style="list-style-type: none"><li>• Power, PoE, 1000 Mbps, Link/Activity</li></ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"><li>• Min: 4 Watts (standby)</li><li>• Max: 72 Watts</li><li>• PoE Max: 68 Watts</li><li>• (4 x 15 watts PoE devices connected or 2 x 30 watts PoE+ devices connected)</li></ul>
<b>Temperature</b>	<ul style="list-style-type: none"><li>• Operating: 0° ~ 40°C (32° ~ 104°F)</li><li>• Storage: -20° ~ 90°C (-4° ~ 194°F)</li></ul>
<b>Humidity</b>	<ul style="list-style-type: none"><li>• Max. 90% (non-condensing)</li></ul>
<b>Dimensions</b>	<ul style="list-style-type: none"><li>• 142 x 95 x 30 mm (5.6 x 3.7 x 1.2 in.)</li></ul>
<b>Weight</b>	<ul style="list-style-type: none"><li>• 380 g (13.4 oz.)</li></ul>
<b>Certifications</b>	<ul style="list-style-type: none"><li>• CE, FCC</li></ul>

### POE

<b>Power over Ethernet</b>	<ul style="list-style-type: none"><li>• Up to 15.4 watts for PoE</li><li>• Up to 30 watts for PoE+</li><li>• PoE: pin 1,2 for power+ and pin 3,6 for power- (mode A)</li></ul>
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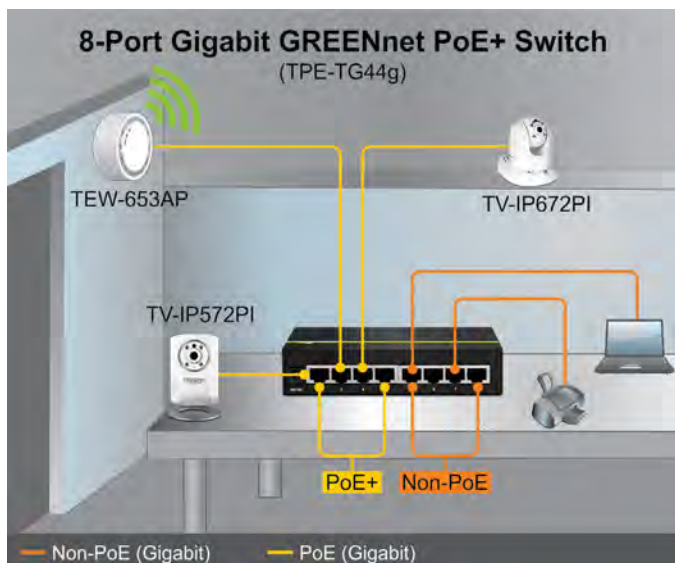
TRENDnet offers a limited lifetime warranty for all of its metal-enclosed network switches that have been purchased in the United States/Canada on or after 1/1/2015. Cooling fan and internal power supply carry a one-year warranty.

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## NETWORKING SOLUTIONS



## PACKAGE CONTENTS

TPE-TG44g

Quick Installation Guide

Power Adapter (52 V DC, 1.38 A)

## RELATED PRODUCTS

TV-IP572P	Megapixel PoE Internet Camera
TV-IP672PI	Megapixel PoE Day/Night PTZ Internet Camera
TPE-TG80G	8-Port Gigabit GREENnet PoE+ Switch

## CONTACT INFORMATION

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