

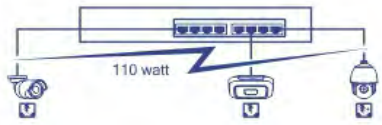


## 8-Port Gigabit GREENnet PoE+ Switch

TPE-TG81g (v2.1R)

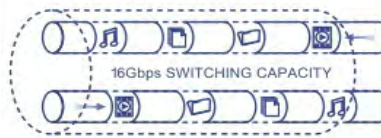
- 8 x Gigabit PoE+ ports
- Internal power supply
- Up to 30W per port with 110W total power budget
- Reduces equipment cost by delivering data and power over existing network cables
- Fanless design for silent operation
- 16Gbps switching capacity
- Sturdy rack mountable metal housing
- Use with TRENDnet's PoE splitter to network and power non-PoE devices
- Limited Lifetime Warranty

TRENDnet's 8-Port Gigabit GREENnet PoE+ Switch, model TPE-TG81g, reduces equipment and installation costs by delivering data and power over existing Ethernet cables. This unmanaged switch offers eight Gigabit PoE+ ports which supply up to 30W of power per port for devices such as high power wireless access points, IP Cameras, and VoIP telephony systems. It supports both PoE (802.3af) and PoE+ (802.3at) devices with a 110W PoE budget. This rack mountable switch features a fanless design that eliminates operating noise and lowers energy consumption.



### PoE Power

A 110W PoE power budget supplies up to eight Power over Ethernet devices.



### Gigabit Ethernet

Eight gigabit ports provides a 16Gbps switching capacity to support edge network installations.



### Fanless

Fanless design lowers energy consumption and eliminates operating noise.



#### PoE+

Supplies up to 30W of PoE+ power per port with a total power budget of 110W



#### Ports

Eight gigabit PoE+ ports



#### Switching Capacity

16Gbps switching capacity



#### Jumbo Frame

Sends larger packets, or Jumbo Frames (up to 9KB) for increased performance



#### Housing Design

Sturdy rack mountable metal housing with included mounting kit



#### Fanless

Fanless design lowers energy consumption and eliminates operating noise



#### Energy Savings

Embedded GREENnet technology reduces power consumption



#### LED Indicators

LED indicators convey port status

## Specifications

<b>Standards</b>	<ul style="list-style-type: none"> <li>• IEEE 802.3</li> <li>• IEEE 802.3u</li> <li>• IEEE 802.3x</li> <li>• IEEE 802.3ab</li> <li>• IEEE 802.3af</li> <li>• IEEE 802.3at</li> <li>• IEEE 802.3az</li> <li>• IEEE 802.1Q</li> </ul>
<b>Device Interface</b>	<ul style="list-style-type: none"> <li>• 8 x Gigabit PoE/PoE+ ports</li> <li>• LED indicators</li> </ul>
<b>Data Transfer Rate</b>	<ul style="list-style-type: none"> <li>• Ethernet: 10Mbps (half duplex), 20Mbps (full duplex)</li> <li>• Fast Ethernet: 100Mbps (half duplex), 200Mbps (full duplex)</li> <li>• Gigabit: 2000Mbps (full duplex)</li> </ul>
<b>Performance</b>	<ul style="list-style-type: none"> <li>• Packet Buffer: 192KB</li> <li>• Switch Fabric: 16Gbps</li> <li>• MAC Address Table: 4K entries</li> <li>• Forwarding Rate: 11.9Mpps (64-byte packet size)</li> <li>• Jumbo Frame: 9K</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>• Input: 110-240V AC, 50/60 Hz, internal power supply</li> <li>• Max. Consumption: 130W</li> </ul>

<b>PoE</b>	<ul style="list-style-type: none"> <li>• PoE budget: 110W</li> <li>• Pin 1, 2 for power+ and pin 3, 6 for power- (mode A)</li> </ul>
<b>Fan/Acoustics</b>	<ul style="list-style-type: none"> <li>• Fanless design</li> </ul>
<b>Operating Temperature</b>	<ul style="list-style-type: none"> <li>• 0° – 40° C (32° - 104° F)</li> </ul>
<b>Operating 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>• 265 x 183 x 44mm (10.4 x 7.2 x 1.7 in.)</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>• 1.54kg (3.38 lbs.)</li> </ul>
<b>Certifications</b>	<ul style="list-style-type: none"> <li>• CE</li> <li>• FCC</li> <li>• UL</li> </ul>
<b>Warranty</b>	<ul style="list-style-type: none"> <li>• Lifetime</li> </ul>

### PACKAGE CONTENTS

- TPE-TG81g
- Quick Installation Guide
- Rackmount kit
- Power cord

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.