



## 16-Port GREENnet 10/100 Mbps PoE+ Switch

TPE-T88g (V1.0R)

TRENDnet's 16-Port GREENnet 10/100 Mbps PoE+ Switch, model TPE-T88g, reduces equipment and installation costs by delivering data and power over existing Ethernet cables. This unmanaged switch offers eight 10/100 Mbps PoE+ and eight Ethernet ports. The IEEE 802.3at PoE+ standard supplies up to 30 watts of power 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, 15 watts to 802.3af PoE devices, and only data to non-PoE devices. GREENnet technology reduces energy costs by up to 75% when the switch is not in use. Boost office efficiency and reduce network congestion with a total switching capacity of 3.2 Gbps. LED indicators display device status for easy power management and troubleshooting. This switch is rack mountable and comes in a sturdy metal case. Use this switch with TRENDnet PoE Splitters to install non-PoE devices in remote locations.

## PRODUCT OVERVIEW

- 8 x 10/100 Mbps PoE / PoE+ ports
- 8 x 10/100 Mbps Ethernet ports
- Up to 30 W per port with 120 W total power budget
- Reduces equipment cost by delivering data and power over existing network cables
- 3.2 Gbps switching capacity
- Sturdy metal case and rack mountable
- Up to 75% GREENnet power savings

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## FEATURES

- IEEE 802.3at and IEEE 802.3af Power over Ethernet (PoE) compliant
- Support PoE class 2 (7 watts), 3 (15.4 watts), and 4 (30 watts)
- 8 x 10/100 Mbps Auto-MDIX PoE / PoE+ ports
- 8 x 10/100 Mbps Auto-MDIX Fast Ethernet ports
- Provides up to 30 watts per PoE port (4 ports max.)
- 3.2 Gbps switching fabric
- Forwarding Rate: 100 Mbps (148,800pps), 10 Mbps (14,880pps)
- Status LEDs: System Power, Link/Activity, and PoE/PSE on line
- On / off power switch
- 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
- 1.25 Mbits RAM Data Buffer
- 4K MAC address entries
- Plug and Play
- Sturdy metal case
- 3-year limited warranty



## 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 802.3at Power over Ethernet (PoE+)</li><li>• IEEE 802.3af Power over Ethernet (PoE)</li><li>• IEEE 802.3x Flow Control</li></ul>
<b>Ports</b>	<ul style="list-style-type: none"><li>• 8 x 10/100 Mbps Auto-MDIX PoE+ ports</li><li>• 8 x 10/100 Mbps Auto-MDIX Fast Ethernet 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: 100/200Mbps (Half / Full Duplex)</li></ul>
<b>Forwarding Rate</b>	<ul style="list-style-type: none"><li>• 100 Mbps: (148,800pps)</li><li>• 10 Mbps: (14,880pps)</li></ul>
<b>Data RAM Buffer</b>	<ul style="list-style-type: none"><li>• 1.25 Mbits</li></ul>
<b>Address Table</b>	<ul style="list-style-type: none"><li>• 4K MAC entries</li></ul>
<b>Switch Fabric</b>	<ul style="list-style-type: none"><li>• 3.2 Gbps</li></ul>
<b>Power</b>	<ul style="list-style-type: none"><li>• 90~240V AC 50/60 Hz, 1A internal universal switching power</li></ul>
<b>Diagnostic LEDs</b>	<ul style="list-style-type: none"><li>• Power, PoE, Link/Activity</li></ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"><li>• Min: 4 watts (standby)</li><li>• Max: 130 watts</li><li>• PoE Max: 120 watts</li><li>• (8 x 15 watts PoE devices connected or 4 x 30 watts PoE+ devices connected)</li></ul>
<b>Temperature</b>	<ul style="list-style-type: none"><li>• Operating: 0° ~ 60°C (32° ~ 140°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>• 440 x 220 x 45 mm (17.3 x 8.7 x 1.8 in.)</li></ul>
<b>Weight</b>	<ul style="list-style-type: none"><li>• 2.3 kg (5 lbs.)</li></ul>
<b>Certifications</b>	<ul style="list-style-type: none"><li>• CE, FCC</li></ul>

### POE

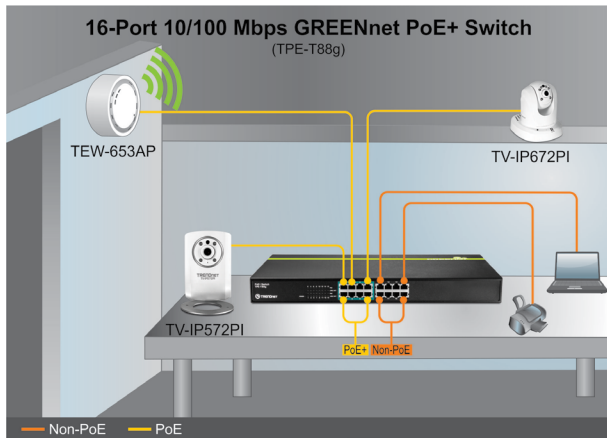
<b>Power over Ethernet</b>	<ul style="list-style-type: none"><li>• Up to 30 watts per port; PD classification</li><li>• Polymer switch for short protection</li><li>• PoE: pin 1, 2 for power+ and pin 3, 6 for power- (mode A)</li></ul>
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## NETWORKING SOLUTIONS



## PACKAGE CONTENTS

TPE-T88g

Quick Installation Guide

Power cord

Rack mount kit

## RELATED PRODUCTS

**TPE-TG44g** 8-Port Gigabit GREENnet PoE+ Switch

**TPE-104S** Power over Ethernet (PoE) Splitter

**TPE-T160** 16-Port 30 watt 10/100 Mbps PoE+ Switch

## CONTACT INFORMATION

**TRENDnet**

20675 Manhattan Place, Torrance, CA 90501 USA

Tel: 1-310-961-5500

Fax: 1-310-961-5511

Web: [www.trendnet.com](http://www.trendnet.com)

Email: [sales@trendnet.com](mailto:sales@trendnet.com)

**1-888-326-6061**

