



8-Port Gigabit GREENnet PoE+ Switch TPE-TG80g (v1.0R)

TRENDnet's 8-Port Gigabit GREENnet PoE+ Switch, model TPE-TG80g, 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 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 3 devices), 15 watts to 802.3af PoE 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

- 8 x Gigabit PoE+ ports (up to 30 watts per PoE+ port)
- Up to 30 W per port with 105 W total power budget
- 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



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)
- 8 x Gigabit Auto-MDIX PoE / PoE+ ports
- Provides up to 30 watts for PoE+
- Provides up to 15.4 watts for PoE
- Automatically detects the PoE class level of a Powered Device
- 16 Gbps switching fabric
- Forwarding Rate: 1000 Mbps (1,488,000 pps), 100 Mbps (148,800 pps), 10 Mbps (14,880 pps)
- Status LEDs: System Power, PoE, 1000 Mbps, and Link/Activity
- 1K Mac address entries
- 96 Kbyte 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
- 3-year limited warranty



SPECIFICATIONS

HARDWARE

Standard	<ul style="list-style-type: none">• IEEE 802.3 10Base-T• IEEE 802.3u 100Base-TX• IEEE 802.3ab 1000Base-T• IEEE 802.3at Power over Ethernet (PoE+)• IEEE 802.3af Power over Ethernet (PoE)• IEEE 802.3X Flow Control• IEEE 802.3az Energy Efficient Ethernet
Ports	<ul style="list-style-type: none">• 8 x Gigabit Auto-MDIX PoE / PoE+ ports
Data Transfer Rate	<ul style="list-style-type: none">• Ethernet: 10/20 Mbps (Half / Full Duplex)• Fast Ethernet: 100/200 Mbps (Half / Full Duplex)• Gigabit: 2000 Mbps (Full Duplex)
Forwarding Rate	<ul style="list-style-type: none">• 1,000 Mbps: 1,488,000 pps• 100 Mbps: 148,800 pps• 10 Mbps: 14,880 pps
Data RAM Buffer	<ul style="list-style-type: none">• 96 Kbytes
Address Table	<ul style="list-style-type: none">• 1K MAC entries
Switch Fabric	<ul style="list-style-type: none">• 16 Gbps
Power	<ul style="list-style-type: none">• Input: 100-240V 50/60 Hz, 2.1A• Output: 52VDC, 2.31A External Power Adapter
Diagnostic LEDs	<ul style="list-style-type: none">• Power, PoE, 1000 Mbps, Link/Activity
Power Consumption	<ul style="list-style-type: none">• Min: 5 watts (standby)• Max: 120 watts• PoE Max: 105 watts• (7 x 15 watts PoE devices connected or 3 x 30 watts PoE+ devices connected)
Temperature	<ul style="list-style-type: none">• Operating: 0° ~ 40°C (32° ~ 104°F)• Storage: -20° ~ 90°C (-4° ~ 194°F)
Humidity	<ul style="list-style-type: none">• Max 90% (non-condensing)
Dimensions	<ul style="list-style-type: none">• 142 x 95 x 30 mm (5.6 x 3.7 x 1.2 in.)
Weight	<ul style="list-style-type: none">• 400 g (14 oz.)
Certifications	<ul style="list-style-type: none">• CE, FCC

POE

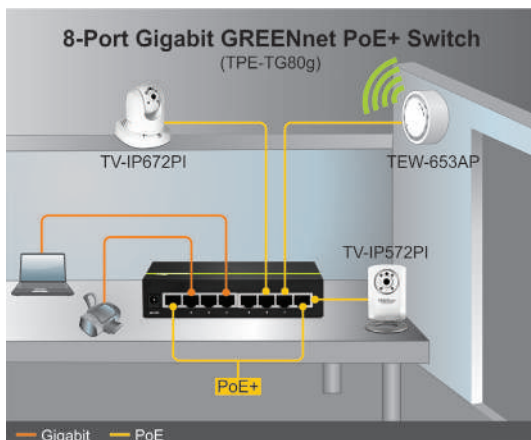
Power over Ethernet	<ul style="list-style-type: none">• Up to 15.4 watts for PoE• Up to 30 watts for PoE+• PoE: pin 3, 6 for power+ and pin 1, 2 for power- (mode A)
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NETWORKING SOLUTIONS



PACKAGE CONTENTS

TPE-TG80g

Quick Installation Guide

Power Adapter (52V DC, 2.31A)

RELATED PRODUCTS

TPE-T88G 16-Port GREENnet 10/100 Mbps PoE+ Switch

TPE-114GS Gigabit Power over Ethernet (PoE) Splitter

TPE-TG44G 8-Port Gigabit GREENnet PoE+ Switch

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