TRENDNET®

PoE+

8-Port Gigabit GREENnet PoE+ Switch
TPE-TG44g (V1.0R)

TRENDnet's 8-Port Gigabit GREENnet 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.

GREENnet
Power Savings

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

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+ ports
- 4 x Gigabit Auto-MDIX 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: 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

PoE+

SPECIFICATIONS

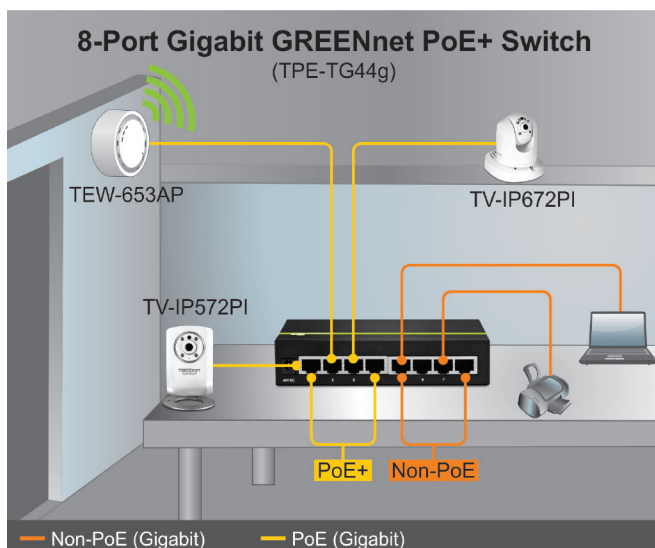| HARDWARE	
Standard	• IEEE 802.3 10Base-T • IEEE 802.3u 100Base-TX • IEEE 802.3ab 1000Base-T • IEEE 802.3at Power over Ethernet (PoE+) • IEEE 802.3af Power over Ethernet (PoE) • IEEE 802.3x Flow Control • IEEE 802.3az Energy Efficient Ethernet
Ports	• 4 x Gigabit Auto-MDIX PoE+ ports • 4 x Gigabit Auto-MDIX ports
Data Transfer Rate	• Ethernet: 10/20 Mbps (Half / Full Duplex) • Fast Ethernet: 100/200 Mbps (Half / Full Duplex) • Gigabit: 2000 Mbps (Full Duplex)
Forwarding Rate	• 1,000 Mbps: 1,488,000pps • 100 Mbps: 148,800pps • 10 Mbps: 14,880pps
Data RAM Buffer	• 96 Kbytes
Address Table	• 1K MAC entries
Switch Fabric	• 16 Gbps
Power	• Input: 100-240V 47-63 Hz, 2A • Output: 53V DC, 1.2A External Power Adapter
Diagnostic LEDs	• Power, PoE, 1000 Mbps, Link/Activity
Power Consumption	• Min: 4 watts (standby) • Max: 65 watts • PoE Max: 60 watts • (4 x 15 watts PoE devices connected or 2 x 30 watts PoE+ devices connected)
Temperature	• Operating: 0° ~ 40°C (32° ~ 104°F) • Storage: -20° ~ 90°C (-4° ~ 194°F)
Humidity	• Max 90% (non-condensing)
Dimensions	• 142 x 95 x 30 mm (5.6 x 3.7 x 1.2 in.)
Weight	• 380 g (13.4 oz.)
Certifications	• CE, FCC
POE	
Power over Ethernet	• 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)

NETWORKING SOLUTIONS

8-Port Gigabit GREENnet PoE+ Switch
(TPE-TG44g)

TEW-653AP

TV-IP672PI

TV-IP572PI

PoE+   Non-PoE

— Non-PoE (Gigabit)   — PoE (Gigabit)

PACKAGE CONTENTS

TPE-TG44g

Quick Installation Guide

Power adapter (53V DC, 1.2A)

RELATED PRODUCTS

TPE-T88G	16-Port GREENnet 10/100 Mbps PoE+ Switch
TPE-T160	16-Port 30 watt 10/100 Mbps PoE+ Switch
TPE-TG80G	8-Port Gigabit GREENnet PoE+ Switch

CONTACT INFORMATION

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