



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
- 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



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

Standard	<ul style="list-style-type: none">• IEEE 802.3 10Base-T• IEEE 802.3u 100Base-TX• IEEE 802.3at Power over Ethernet (PoE+)• IEEE 802.3af Power over Ethernet (PoE)• IEEE 802.3x Flow Control
Ports	<ul style="list-style-type: none">• 8 x 10/100 Mbps Auto-MDIX PoE+ ports• 8 x 10/100 Mbps Auto-MDIX Fast Ethernet ports
Data Transfer Rate	<ul style="list-style-type: none">• Ethernet: 10/20 Mbps (Half / Full Duplex)• Fast Ethernet: 100/200Mbps (Half / Full Duplex)
Forwarding Rate	<ul style="list-style-type: none">• 100 Mbps: (148,800pps)• 10 Mbps: (14,880pps)
Data RAM Buffer	<ul style="list-style-type: none">• 1.25 Mbits
Address Table	<ul style="list-style-type: none">• 4K MAC entries
Switch Fabric	<ul style="list-style-type: none">• 3.2 Gbps
Power	<ul style="list-style-type: none">• 90~260V AC 50/60 Hz, internal universal switching power
Diagnostic LEDs	<ul style="list-style-type: none">• Power, PoE, Link/Activity
Power Consumption	<ul style="list-style-type: none">• Min: 4 watts (standby)• Max: 130 watts• PoE Max: 120 watts• (8 x 15 watts PoE devices connected or 4 x 30 watts PoE+ devices connected)
Temperature	<ul style="list-style-type: none">• Operating: 0° ~ 60°C (32° ~ 140°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">• 440 x 220 x 45 mm (17.3 x 8.7 x 1.8 in.)
Weight	<ul style="list-style-type: none">• 2.3 kg (5 lbs.)
Certifications	<ul style="list-style-type: none">• CE, FCC

POE

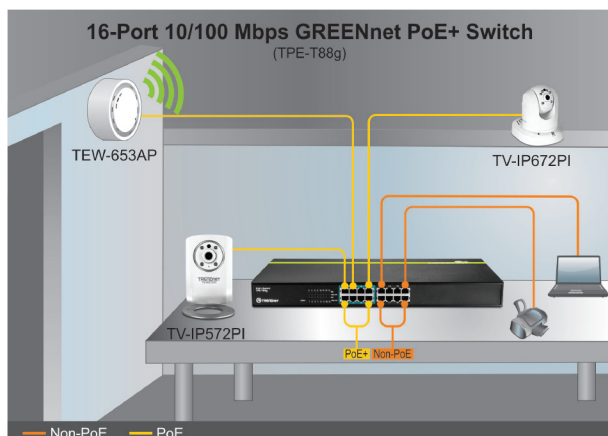
Power over Ethernet	<ul style="list-style-type: none">• Up to 30 watts per port; PD classification• Polymer switch for short protection• PoE: pin 3, 6 for power+ and pin 1, 2 for power- (mode A)
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NETWORKING SOLUTIONS



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

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