

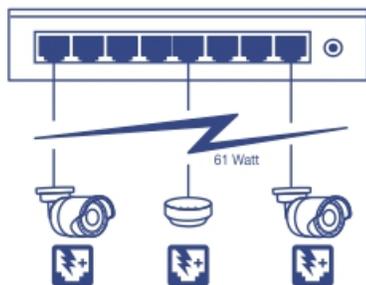


## 8-Port Gigabit PoE+ Switch

TPE-TG82g (v1.0R)

- 8 x Gigabit PoE+ ports
- 61W PoE budget
- 16Gbps switching capacity
- Sturdy metal switch
- Plug and Play installation
- Use with TRENDnet's PoE Splitter to network and power non-PoE devices

The 8-Port Gigabit PoE+ Switch, model TPE-TG82g, delivers data and power over existing Ethernet cables to Power over Ethernet (PoE) devices such as Access Points and IP Cameras. It supports both PoE and PoE+ devices with a 61W PoE budget. Plug and Play this sturdy metal switch for reliable highspeed PoE networking.



### PoE Power

A 61W PoE power budget supports up to eight Power over Ethernet devices.



### Gigabit Ethernet

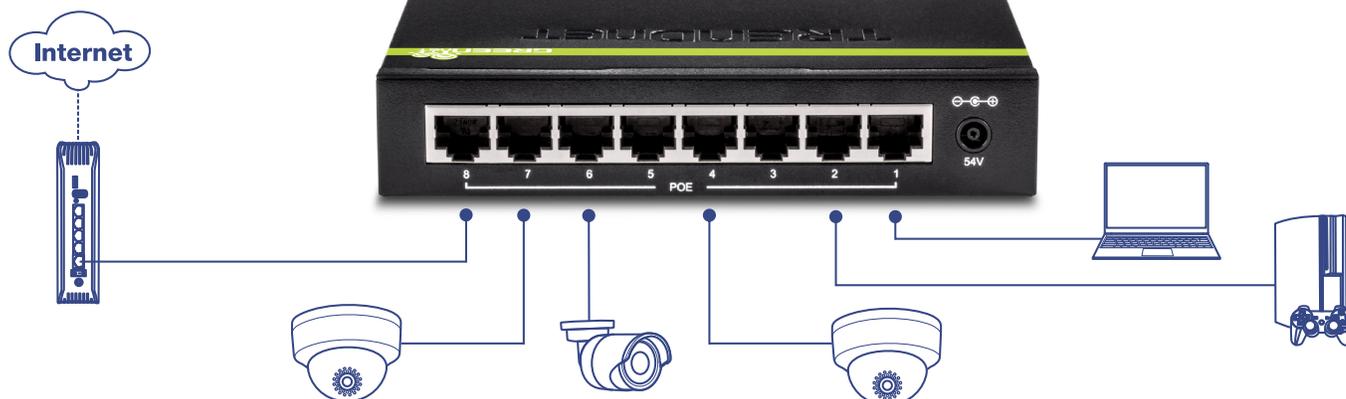
Eight gigabit ports provide a 16Gbps switching capacity to support edge network installations.



### Compact Design

With a compact and lightweight housing design, this switch is well-suited for desktop installations. Its fanless design is ideal for quiet environments that require silent operation.

## Networking Solution





### PoE

Supplies up to 30W of PoE+ power per port with a total power budget of 61W. Supports both PoE (802.3af) and PoE+ (802.3at) devices.



### Ports

Eight gigabit PoE+ ports



### Switching Capacity

16Gbps switching capacity



### Jumbo Frame

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



### Energy Savings

Embedded GREENnet technology reduces power consumption



### Housing

Sturdy metal housing



### LED Indicators

LED indicators convey port status

## Specifications

### Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3ab
- IEEE 802.3af
- IEEE 802.3at
- IEEE 802.3az
- IEEE 802.1p

### Device Interface

- 8 x Gigabit PoE/PoE+ ports
- LED indicators

### Data Transfer Rate

- Ethernet: 10 Mbps (half duplex), 20 Mbps (full duplex)
- Fast Ethernet: 100 Mbps (half duplex), 200 Mbps (full duplex)
- Gigabit: 2000 Mbps (full duplex)

### Performance

- Data RAM Buffer: 128KB
- Switch Fabric: 16Gbps
- MAC Address Table: 8K entries
- Forwarding rate: 11.9Mpps (64-byte packet size)
- Jumbo Frame: 9K

### Power

- Input: 110-240V AC, 50/60 Hz 1.2A

- Output: 54 V DC, 1.67 A
- Consumption: 36 Watts (Max.)

### PoE

- PoE budget: 61W
- Pin 3,6 for power+ and pin 1,2 for power- (mode B)

### Operating Temperature

- 0 – 40 °C (32 - 104 °F)

### Operating Humidity

- Max. 90% non-condensing

### Dimensions

- 150 x 95 x 30 mm (5.9 x 3.7 x 1.2 in.)

### Weight

- 400 g (14 oz.)

### Certifications

- CE
- FCC

### Warranty

- Limited Lifetime Warranty\*

### Package Contents

- TPE-TG82g
- Quick Installation Guide
- Power Brick (54V DC, 1.67A)
- 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.