

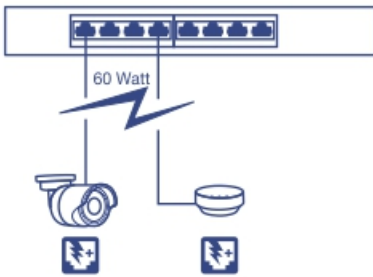


## 8-Port Gigabit EdgeSmart PoE+ Switch

TPE-TG44ES (v1.0R)

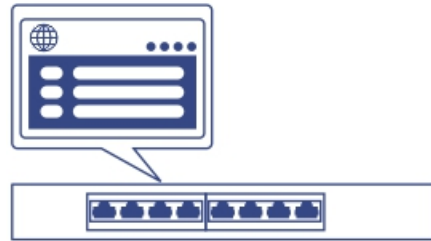
- 4 x Gigabit PoE+ ports
- 4 x Gigabit ports
- 60W PoE power budget
- Easy to use web-based management interface
- Supports LACP, VLAN, QoS, and IGMP Snooping
- Bandwidth control per port
- 16Gbps switching capacity
- IEEE 802.1p QoS with queue scheduling support
- Compact fanless design
- Wall mountable metal housing

TRENDnet's 8-Port Gigabit EdgeSmart PoE+ Switch, model TPE-TG44ES, is a cost-effective switch solution for high-speed gigabit PoE+ applications. This EdgeSmart switch features the most commonly used managed switch features, reducing unnecessary switch complexity. The web-based management interface offers features for traffic control, troubleshooting, access controls, and monitoring. TRENDnet's TPE-TG44ES provides four gigabit PoE+ and four gigabit non-PoE ports. The PoE+ standard supplies up to 30W of power per port for devices such as high power wireless access points, PTZ (Pan Tilt Zoom) Internet cameras, and VoIP telephony systems.



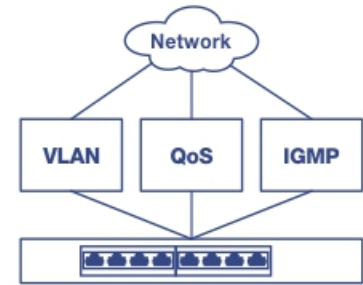
### PoE Power

A 60W PoE power budget supports up to four Power over Ethernet devices.



### EdgeSmart Management

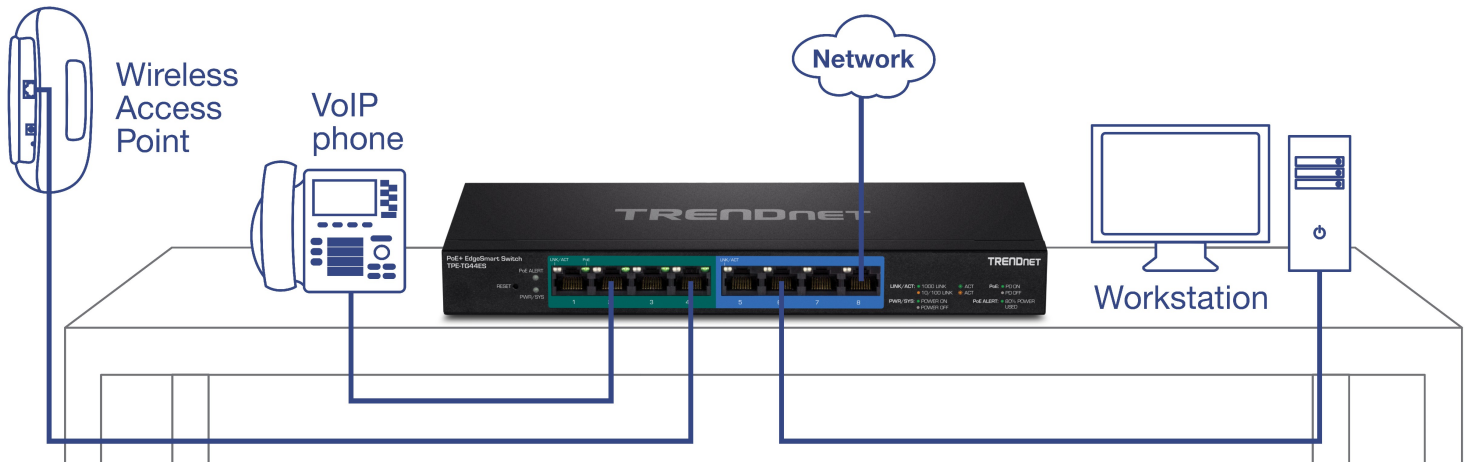
Provides an easy to use web-based GUI management for reduced switch configuration complexity and offers a combination of more commonly used SMB management features for easy deployment.



### Integration Flexibility

Managed features include VLAN, IGMP Snooping, and QoS for flexible network integration.

## Networking Solution





### Ports

Four gigabit PoE+ ports and four gigabit ports provides a 16Gbps switching capacity



### PoE Power

Supplies up to 30W of PoE+ power per PoE port with a 60W power budget



### Compact Design

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



### Network Management

A broad range of network configurations are supported by: 802.3ad link aggregation, 802.1Q VLAN, bandwidth controls, IGMP, loopback detection, port mirroring and 802.1p (QoS)



### Troubleshooting

Traffic statistics and a convenient cable diagnostic test aid in network troubleshooting



### Housing

Compact wall mountable metal housing



### LED Indicators

LED indicators convey port status

## Specifications

### Standards

- IEEE 802.1p
- IEEE 802.1Q
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3ab
- IEEE 802.3ad
- IEEE 802.3af (15.4 Watts/port)
- IEEE 802.3at (30 Watts/port)
- IEEE 802.3az

### Device Interface

- 4 x Gigabit PoE+ ports (1-4)
- 4 x Gigabit ports (5-8)
- LED indicators
- Reset button

### Data Transfer Rate

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

### Performance

- Switch fabric: 16 Gbps
- RAM buffer: 192 kg
- MAC Address Table: 4K entries
- Jumbo Frames: 9 Kbytes
- Forwarding rate: 11.9 Mpps (64-byte packet size)

### Management

- HTTP Web based GUI
- Backup/Restore configuration
- Upgrade firmware

### Link Aggregation

- 802.3ad Dynamic LACP

### Quality of Service (QoS)

- Port-based QoS
- 802.1p Class of Service (CoS)
- Bandwidth Control/Rate Limiting per port (Min. Limit: 512Kbps)
- Queue Scheduling: Strict Priority, Weighted Round Robin (WRR)

### VLAN

- Port-based VLAN
- 802.1Q Tagged VLAN
- Up to 32 VLAN groups, ID Range 1-4094

### Multicast

- IGMP Snooping v1/2/3
- Block unknown multicast source
- Up to 128 multicast entries

### Port Mirror

- One to one
- Many to one
- Access Control
- Trusted Host/IP Access List

### Storm control

- Broadcast (Min. Limit: 512Kbps)
- Multicast (Min. Limit: 512Kbps)
- Destination Lookup Failure (DLF) (Min. Limit: 512Kbps)
- Loopback Detection

### Special Features

- PoE+ support
- Enable/disable 802.3az Power Saving
- Wall mountable

### Power

- Input: 100 - 240 V AC , 50/60 Hz, 2.5 A

- Output: 55 DC, 1.3 external power adapter
- Consumption: 65.28 W (max.)

### PoE

- PoE budget: 60W
- 802.3at: Up to 30 W per port (ports 1-4)
- Mode A: Pins 1,2 for power(+) and pins 3,6 for power(-)
- PD auto classification
- Over current/short circuit protection

### Fan/Acoustics

- Fanless design

### MTBF

- 1,089,244 hours

### Operating Temperature

- 0 – 50°C (32 - 122°F)

### Operating Humidity

- Max. 95% non-condensing

### Dimensions

- 240 x 105 x 27 mm (9.45 x 4.1 x 1.06 in.)
- Wall mountable

### Weight

- 576 g (20.3 oz.)

### Certifications

- CE
- FCC

### Warranty

- Limited Lifetime Warranty\*

### Package Contents

- TPE-TG44ES
- Quick Installation Guide
- CD-ROM (User's Guide)
- Power adapter (55V DC, 1.3 A)

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.