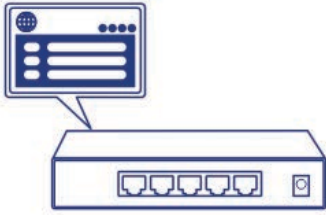


## 5-Port Gigabit EdgeSmart PoE+ Switch

TPE-TG50ES (v1.0R)

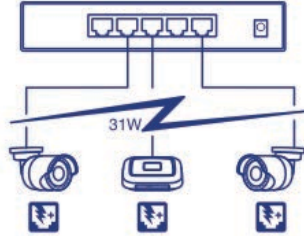
- 4 x Gigabit PoE+ ports
- 1x Gigabit port
- 31W PoE power budget
- Easy-to-use web-based management interface
- Supports static link aggregation, RSTP, VLAN, QoS, and IGMP Snooping
- Voice VLAN for VoIP applications
- Bandwidth control per port
- 10Gbps switching capacity
- IEEE 802.1p QoS with queue scheduling support
- Compact fanless design
- Wall mountable metal housing

TRENDnet's 5-Port Gigabit EdgeSmart PoE+ Switch, model TPE-TG50ES, is a cost-effective desktop managed switch solution for high-speed gigabit PoE+ applications. This 5-port smart PoE+ switch features the most commonly used managed switch features, reducing unnecessary switch complexity. The web-based management interface offers features for traffic control, static link aggregation, RSTP, VLAN, QoS, and monitoring. TRENDnet's TPE-TG50ES provides four gigabit PoE+ ports for connecting devices such as wireless access points, IP cameras, and VoIP handsets.



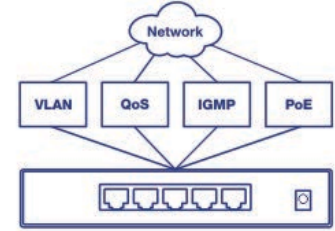
### EdgeSmart Management

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



### PoE+ Power

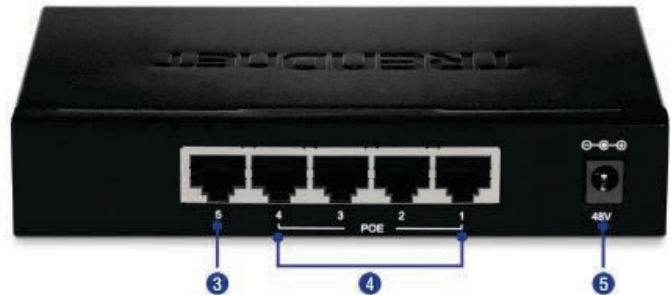
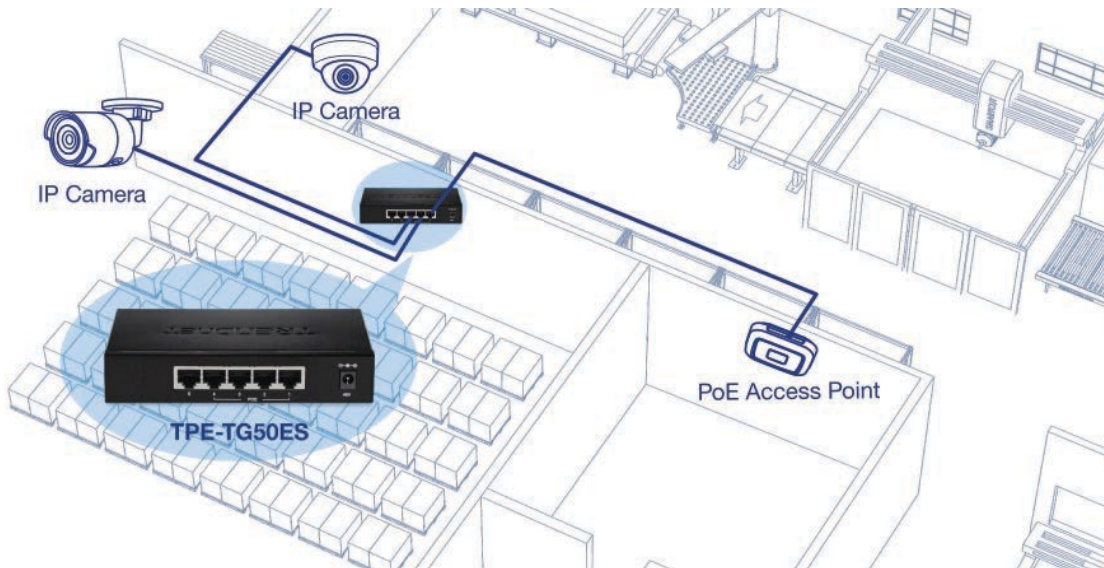
A 31W PoE power budget supplies up to four Power over Ethernet devices from the 5-port smart PoE+ switch.



### Integration Flexibility

Managed features include loopback detection, RSTP, static link aggregation, VLAN, IGMP Snooping, and QoS for flexible network integration.

## NETWORKING SOLUTION



- ① Reset button
- ② LED indicators

- ③ 1 x Gigabit port
- ④ 4 x Gigabit PoE+ ports

- ⑤ Power port

## FEATURES



### Ports

Four gigabit PoE+ ports and one gigabit port provide a 10Gbps switching capacity on this 5-port smart PoE+ switch



### Compact Design

With a compact and lightweight metal housing design, this switch is well-suited for desktop and wall mount installations



### Network Management

The web-based management interface offers features for loopback detection, RSTP, static link aggregation, VLAN, IGMP Snooping, and QoS



### Monitoring

SNMP, SNMP Trap, and Port Mirroring support administrator monitoring solutions



### Troubleshooting

Traffic statistics and a convenient cable diagnostic test



### Fanless

Its fanless design is ideal for quiet environments that require silent operation



### LED Indicators

The desktop managed switch includes LED indicators that convey port status

## SPECIFICATIONS

### Standards

- IEEE 802.1d
- IEEE 802.1w
- IEEE 802.1p
- IEEE 802.1Q
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3ab
- IEEE 802.3af
- IEEE 802.3at
- IEEE 802.3az

### Device Interface

- 4 x Gigabit PoE+ ports
- 1 x Gigabit port
- LED indicators
- Reset button

### Data Transfer Rate

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

### Performance

- Packet Buffer: 125KB
- Switch Fabric: 10Gbps
- MAC Address Table: 2K entries
- Forwarding rate: 7.44Mpps (64-byte packet size)
- Jumbo Frame: 9KB

### Management

- HTTP Web based GUI
- SNMP v1, v2c
- Cable diagnostic test
- Backup/Restore Configuration
- Upload Firmware

### Spanning Tree

- IEEE 802.1d STP (spanning tree protocol)
- IEEE 802.1w RSTP (rapid spanning tree protocol)

### Link Aggregation

- Static link aggregation (only 1 group)
- Quality of Service (QoS)
- Port-based QoS
- 802.1p Class of Service (CoS)
- Bandwidth Control/Rate Limiting per port (Min. Limit: 8Kbps)
- Queue Scheduling: Strict Priority (SP), Weighted Fair Queueing (WFQ)

### VLAN

- Port-based VLAN
- 802.1Q Tagged VLAN
- Up to 32 VLAN groups, ID Range 1-4094
- Private VLAN
- Asymmetric VLAN
- Voice VLAN (5 user defined OUIs)

### Multicast

- IGMP Snooping v1/2/3
- Block unknown multicast source
- Up to 32 multicast groups

### Port Mirror

- One to one
- Many to one

### Storm Control

- Broadcast (Min. Limit: 8Kbps)
- Multicast (Min. Limit: 8Kbps)
- Loopback Detection

### Special Features

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

**Power**

- Input: 110-240V AC, 50/60Hz, 0.75A
- Output: 48V DC, 0.8A external power adapter
- Max. consumption: 34W

**PoE**

- PoE budget: 31W
- PoE Mode A: Pins 1,2 for power and pins 3,6 for power

**MTBF**

- 2,942,586 hours

**Operating Temperature**

- 0° – 40° C (32° – 104° F)

**Operating Humidity**

- Max. 90% non-condensing

**Dimensions**

- 150 x 98 x 28mm (5.9 x 3.86 x 1.1 in.)

**Weight**

- 380g (13.4 oz.)

**Certifications**

- CE
- FCC

**Warranty**

- 3 years

**Package Contents**

- TPE-TG50ES
- Quick Installation Guide
- Power brick (48V DC, 0.8A)
- Power cord