

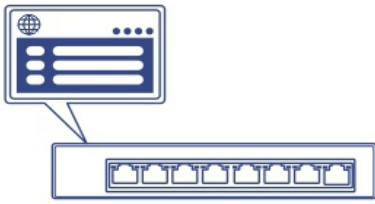


8-Port Gigabit EdgeSmart PoE+ Switch

TPE-TG82ES (v1.0R)

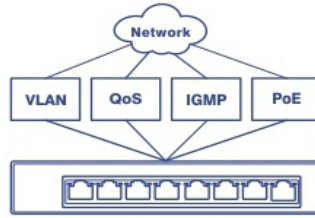
- 8 x Gigabit PoE+ ports
- 64W PoE power budget
- Easy-to-use web-based management interface
- Supports static link aggregation, RSTP, VLAN, QoS, and IGMP Snooping
- Voice VLAN for VoIP applications
- Bandwidth control per port
- 16Gbps switching capacity
- IEEE 802.1p CoS with queue scheduling support
- Compact fanless design
- Wall mountable metal housing

TRENDnet's 8-Port Gigabit EdgeSmart PoE+ Switch, model TPE-TG82ES, is a cost-effective desktop PoE managed 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, static link aggregation, RSTP, VLAN, QoS, and monitoring. TRENDnet's TPE-TG82ES desktop PoE managed switch provides eight gigabit PoE+ ports for connecting devices such as wireless access points, IP cameras, and VoIP handsets.



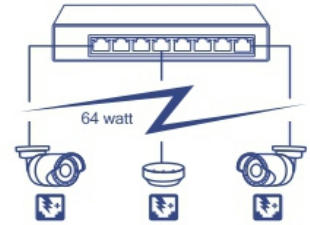
EdgeSmart Management

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.



Integration Flexibility

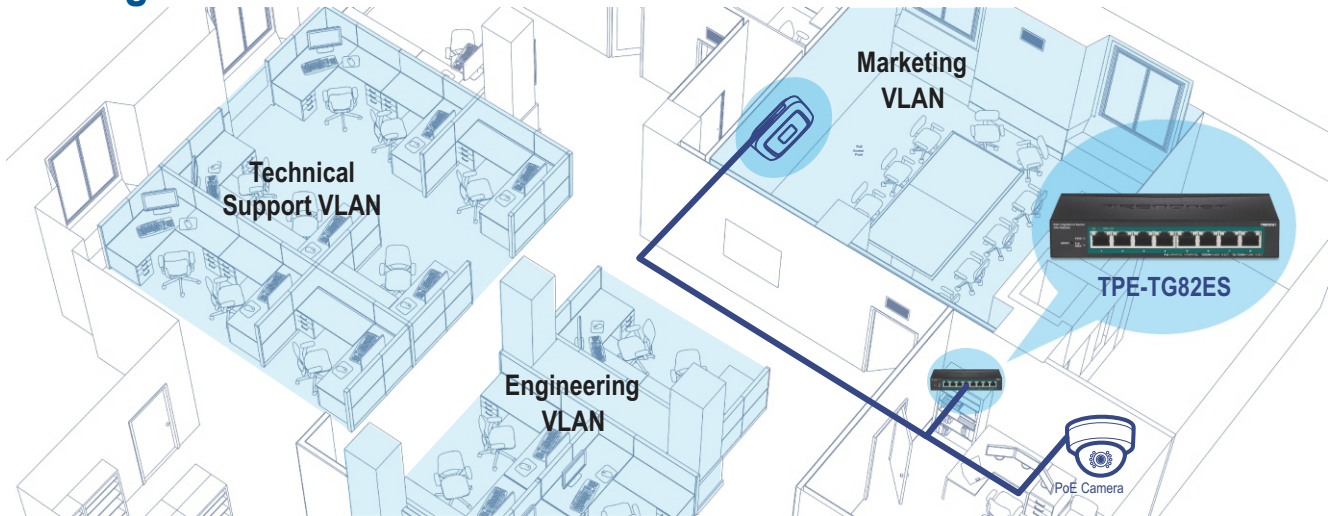
Managed features include loopback detection, RSTP, static link aggregation, VLAN, IGMP Snooping, and QoS for flexible network integration.



PoE+ Power

A 64W PoE power budget supplies up to eight Power over Ethernet devices.

Networking Solution



Ports

Eight gigabit PoE+ ports provide a 16Gbps switching capacity



Monitoring

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



Fanless

Desktop PoE managed switch with fanless design is ideal for quiet environments that require silent operation



Compact Design

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



Troubleshooting

Traffic statistics and a convenient cable diagnostic test



Network Management

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



LED Indicators

The desktop PoE managed switch includes LED indicators that convey port status

Specifications

Standards	<ul style="list-style-type: none"> • 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 	Multicast	<ul style="list-style-type: none"> • IGMP Snooping v1/2/3 • Block unknown multicast source • Up to 32 multicast groups
Device Interface	<ul style="list-style-type: none"> • 8 x Gigabit PoE+ ports • LED indicators • Reset button 	Port Mirror	<ul style="list-style-type: none"> • One to one • Many to one
Data Transfer Rate	<ul style="list-style-type: none"> • Ethernet: 10Mbps (half duplex), 20Mbps (full duplex) • Fast Ethernet: 100Mbps (half duplex), 200Mbps (full duplex) • Gigabit Ethernet: 2000Mbps (full duplex) 	Storm Control	<ul style="list-style-type: none"> • Broadcast (Min. Limit: 8Kbps) • Multicast (Min. Limit: 8Kbps) • Loopback Detection
Performance	<ul style="list-style-type: none"> • Switch fabric: 16Gbps • RAM buffer: 192KB • MAC Address Table: 4K entries • Jumbo Frames: 9KB • Forwarding rate: 11.9Mpps (64-byte packet size) 	Special Features	<ul style="list-style-type: none"> • PoE+ support • Enable/disable 802.3az Power Saving • Wall mountable
Management	<ul style="list-style-type: none"> • HTTP Web based GUI • SNMP v1, v2c • Cable diagnostic test • Backup/Restore Configuration • Upload Firmware 	Power	<ul style="list-style-type: none"> • Input: 100 – 240V AC, 50/60Hz, 1.2A • Output: 54V DC, 1.67A external power adapter • Max. consumption: 68.6W
Spanning Tree	<ul style="list-style-type: none"> • IEEE 802.1d STP (spanning tree protocol) • IEEE 802.1w RSTP (rapid spanning tree protocol) 	PoE	<ul style="list-style-type: none"> • PoE budget: 64W • 802.3at: Up to 30W per port • PoE Mode A: Pins 1,2 for power and pins 3,6 for power • PD auto classification • Over current/short circuit protection
Link Aggregation	<ul style="list-style-type: none"> • Static link aggregation (up to 2 groups) 	Fan / Acoustics	<ul style="list-style-type: none"> • Fanless design
Quality of Service (QoS)	<ul style="list-style-type: none"> • 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) 	MTBF	<ul style="list-style-type: none"> • 730,455 hours
VLAN	<ul style="list-style-type: none"> • 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) 	Operating Temperature	<ul style="list-style-type: none"> • 0° – 40° C (32° – 104° F)
		Operating Humidity	<ul style="list-style-type: none"> • Max. 90% non-condensing
		Dimensions	<ul style="list-style-type: none"> • 171 x 97.8 x 28.6mm (6.73 x 3.85 x 1.12 in.)
		Weight	<ul style="list-style-type: none"> • 423g (14.92 oz.)
		Certifications	<ul style="list-style-type: none"> • CE • FCC
		Warranty	<ul style="list-style-type: none"> • Lifetime Warranty
PACKAGE CONTENTS			
<ul style="list-style-type: none"> • TPE-TG82ES • Quick Installation Guide • Power adapter (54V DC, 1.67A) 			

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.