

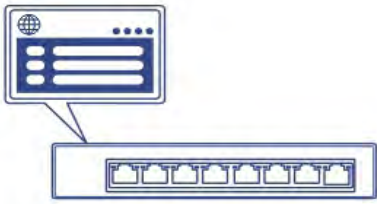


## 8-Port Gigabit EdgeSmart PoE+ Switch

TPE-TG82ES (v1.0R)

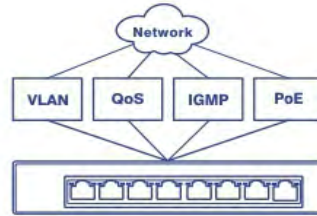
- 8 x Gigabit PoE+ ports
- 64W PoE power budget
- Easy-to-use web-based management interface
- Supports static link aggregation, RSTP, VLAN, QoS, and IGMP Snooping
- Voice VLAN for VoIP applications
- Bandwidth control per port
- 16Gbps switching capacity
- IEEE 802.1p CoS with queue scheduling support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



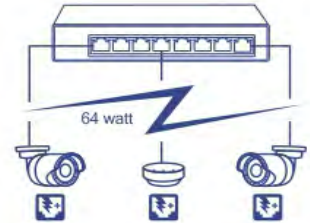
### EdgeSmart Management

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

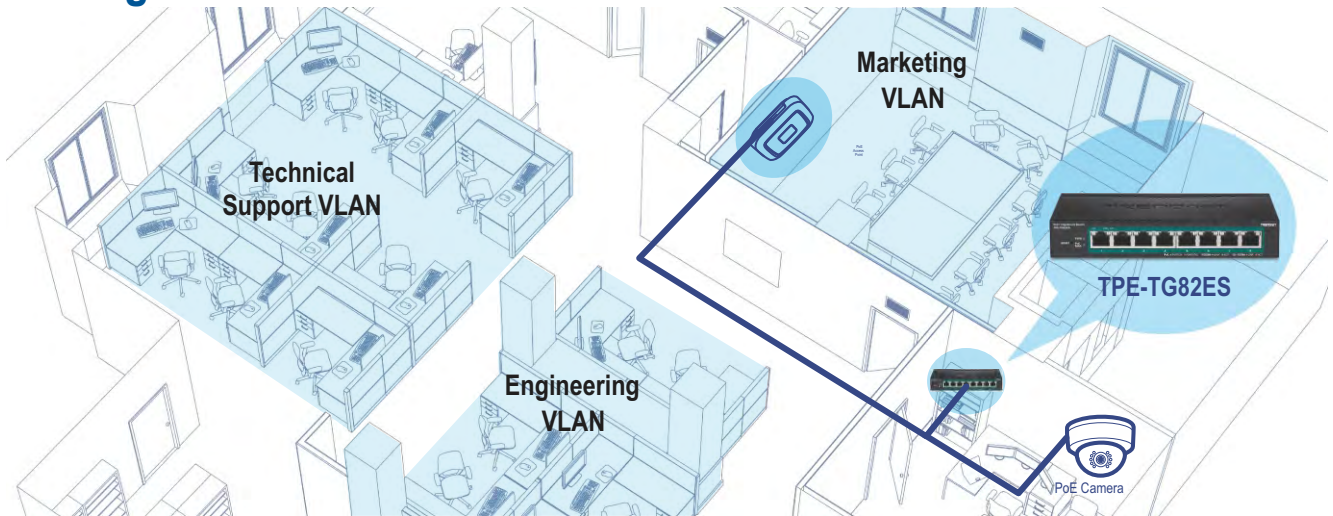
Managed features include loopback detection, RSTP, static link aggregation, VLAN, IGMP Snooping, and QoS for flexible network integration.



### 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

<b>Standards</b>	<ul style="list-style-type: none"> <li>• IEEE 802.1d</li> <li>• IEEE 802.1w</li> <li>• IEEE 802.1p</li> <li>• IEEE 802.1Q</li> <li>• IEEE 802.3</li> <li>• IEEE 802.3u</li> <li>• IEEE 802.3x</li> <li>• IEEE 802.3ab</li> <li>• IEEE 802.3af</li> <li>• IEEE 802.3at</li> <li>• IEEE 802.3az</li> </ul>	<b>Multicast</b>	<ul style="list-style-type: none"> <li>• IGMP Snooping v1/2/3</li> <li>• Block unknown multicast source</li> <li>• Up to 32 multicast groups</li> </ul>
<b>Device Interface</b>	<ul style="list-style-type: none"> <li>• 8 x Gigabit PoE+ ports</li> <li>• LED indicators</li> <li>• Reset button</li> </ul>	<b>Port Mirror</b>	<ul style="list-style-type: none"> <li>• One to one</li> <li>• Many to one</li> </ul>
<b>Data Transfer Rate</b>	<ul style="list-style-type: none"> <li>• Ethernet: 10Mbps (half duplex), 20Mbps (full duplex)</li> <li>• Fast Ethernet: 100Mbps (half duplex), 200Mbps (full duplex)</li> <li>• Gigabit Ethernet: 2000Mbps (full duplex)</li> </ul>	<b>Storm Control</b>	<ul style="list-style-type: none"> <li>• Broadcast (Min. Limit: 8Kbps)</li> <li>• Multicast (Min. Limit: 8Kbps)</li> <li>• Loopback Detection</li> </ul>
<b>Performance</b>	<ul style="list-style-type: none"> <li>• Switch fabric: 16Gbps</li> <li>• RAM buffer: 192KB</li> <li>• MAC Address Table: 4K entries</li> <li>• Jumbo Frames: 9KB</li> <li>• Forwarding rate: 11.9Mpps (64-byte packet size)</li> </ul>	<b>Special Features</b>	<ul style="list-style-type: none"> <li>• PoE+ support</li> <li>• Enable/disable 802.3az Power Saving</li> <li>• Wall mountable</li> </ul>
<b>Management</b>	<ul style="list-style-type: none"> <li>• HTTP Web based GUI</li> <li>• SNMP v1, v2c</li> <li>• Cable diagnostic test</li> <li>• Backup/Restore Configuration</li> <li>• Upload Firmware</li> </ul>	<b>Power</b>	<ul style="list-style-type: none"> <li>• Input: 100 – 240V AC, 50/60Hz, 1.2A</li> <li>• Output: 54V DC, 1.67A external power adapter</li> <li>• Max. consumption: 68.6W</li> </ul>
<b>Spanning Tree</b>	<ul style="list-style-type: none"> <li>• IEEE 802.1d STP (spanning tree protocol)</li> <li>• IEEE 802.1w RSTP (rapid spanning tree protocol)</li> </ul>	<b>PoE</b>	<ul style="list-style-type: none"> <li>• PoE budget: 64W</li> <li>• 802.3at: Up to 30W per port</li> <li>• PoE Mode A: Pins 1,2 for power and pins 3,6 for power</li> <li>• PD auto classification</li> <li>• Over current/short circuit protection</li> </ul>
<b>Link Aggregation</b>	<ul style="list-style-type: none"> <li>• Static link aggregation (up to 2 groups)</li> </ul>	<b>Fan / Acoustics</b>	<ul style="list-style-type: none"> <li>• Fanless design</li> </ul>
<b>Quality of Service (QoS)</b>	<ul style="list-style-type: none"> <li>• Port-based QoS</li> <li>• 802.1p Class of Service (CoS)</li> <li>• Bandwidth Control/Rate Limiting per port (Min. Limit: 8Kbps)</li> <li>• Queue Scheduling: Strict Priority (SP), Weighted Fair Queueing (WFQ)</li> </ul>	<b>MTBF</b>	<ul style="list-style-type: none"> <li>• 730,455 hours</li> </ul>
<b>VLAN</b>	<ul style="list-style-type: none"> <li>• Port-based VLAN</li> <li>• 802.1Q Tagged VLAN</li> <li>• Up to 32 VLAN groups, ID Range 1-4094</li> <li>• Private VLAN</li> <li>• Asymmetric VLAN</li> <li>• Voice VLAN (5 user defined OUIs)</li> </ul>	<b>Operating Temperature</b>	<ul style="list-style-type: none"> <li>• 0° – 40° C (32° – 104° F)</li> </ul>
		<b>Operating Humidity</b>	<ul style="list-style-type: none"> <li>• Max. 90% non-condensing</li> </ul>
		<b>Dimensions</b>	<ul style="list-style-type: none"> <li>• 171 x 97.8 x 28.6mm (6.73 x 3.85 x 1.12 in.)</li> </ul>
		<b>Weight</b>	<ul style="list-style-type: none"> <li>• 423g (14.92 oz.)</li> </ul>
		<b>Certifications</b>	<ul style="list-style-type: none"> <li>• CE</li> <li>• FCC</li> </ul>
		<b>Warranty</b>	<ul style="list-style-type: none"> <li>• Lifetime Warranty</li> </ul>
<b>PACKAGE CONTENTS</b>			
<ul style="list-style-type: none"> <li>• TPE-TG82ES</li> <li>• Quick Installation Guide</li> <li>• Power adapter (54V DC, 1.67A)</li> </ul>			

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.