



26-Port Gigabit EdgeSmart PoE+ Switch

TPE-TG262ES (v1.xR)

- 24 x Gigabit PoE+ ports
- 2 x Gigabit SFP ports (100Mbps / 1000Mbps)
- 380W 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
- 52Gbps switching capacity
- IEEE 802.1p CoS with queue scheduling support
- Smart fans reduce noise during operation
- 1U 19" rack mountable metal housing
- Lifetime Warranty

TRENDnet's 26-Port Gigabit EdgeSmart PoE+ Switch, model TPE-TG262ES, is a cost-effective rackmount easy smart PoE+ 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-TG262ES easy smart PoE+ switch provides 24 gigabit PoE+ ports for connecting network devices, such as wireless access points, IP cameras, and VoIP handsets; and two gigabit SFP ports for long-distance fiber connectivity.



EdgeSmart Management

Provides an easy-to-use management interface and the most commonly used SMB management features for reduced switch configuration complexity and easy deployment.



PoE+ Power

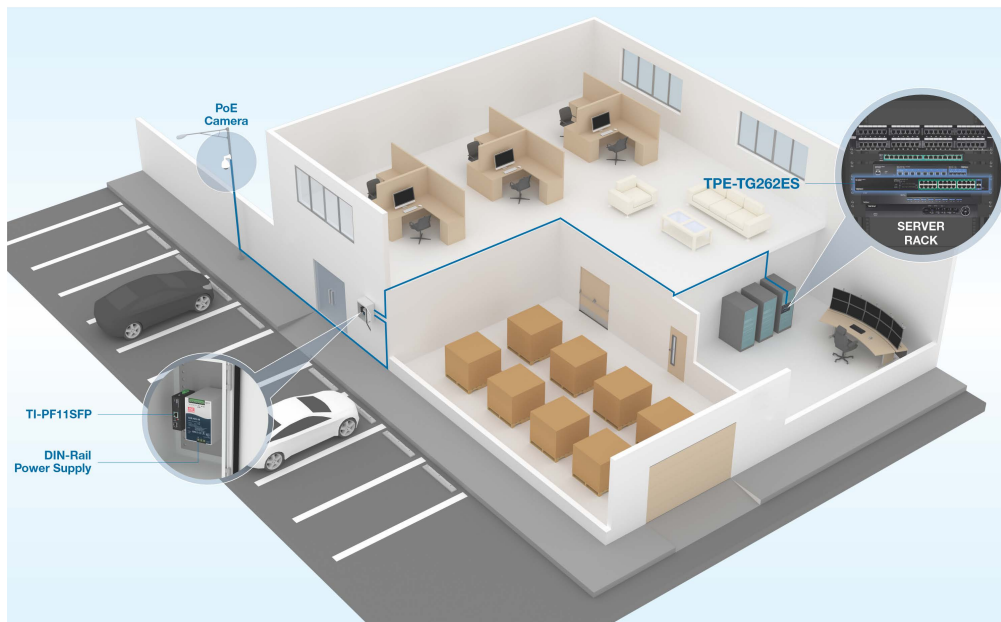
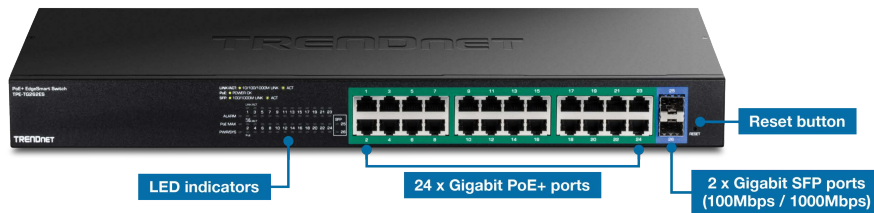
This easy smart PoE+ switch features a 380W PoE power budget for up to 24 Power over Ethernet devices, such as wireless access points and IP cameras.



Integration Flexibility

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

NETWORKING SOLUTION



FEATURES



Hardware Design

The easy smart PoE+ switch includes 24 x gigabit PoE+ ports, 2 x gigabit SFP ports, and a built-in power supply



Power over Ethernet

Provides a total PoE power budget of 380W, with gigabit PoE+ ports for 802.3at PoE+ and 802.3af PoE powered devices



SFP Ports

Includes two dedicated gigabit SFP ports for high-speed, long-distance fiber network connections



Network Management

The easy-to-use, web-based management interface on the lite smart PoE+ switch 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

A convenient cable diagnostic test and traffic statistics aid in network troubleshooting



Smart Fans

This cost-effective, inexpensive managed PoE+ switch saves energy and reduces noise during operation by auto adjusting fan speed based on cooling needs



Rackmount Design

Sturdy 1U rack mountable metal housing with mounting brackets included



LED Indicators

The easy smart PoE+ 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 802.3z
- IEEE 802.3ab
- IEEE 802.3af
- IEEE 802.3at
- IEEE 802.3az

Device Interface

- 24 x Gigabit PoE+ ports
- 2 x Gigabit SFP ports (100Mbps / 1000Mbps)
- LED indicators
- Reset button

Data Transfer Rate

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

Performance

- Switch fabric: 52Gbps
- RAM buffer: 512KB
- MAC Address Table: 8K entries
- Jumbo Frames: 9KB
- Forwarding rate: 38.69Mpps (64-byte packet size)

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 (up to 3 groups)

Quality of Service (QoS)

- Port-based QoS
- 802.1p Class of Service (CoS)
- DSCP (Differentiated Services Code Point)
- Bandwidth Control/Rate Limiting per port (Min. Limit: 16Kbps)
- 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: 16Kbps)
- Multicast (Min. Limit: 16Kbps)
- Loopback Detection

Power

- Input: 100 – 240V AC, 50/60Hz, 4.4A
- Max. consumption: 14.93W (without PD load) / 399.41W (with full PD load)

PoE

- PoE budget: 380W
- 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

Fan/Acoustics

- Quantity: 2
- Smart Fans
- Noise Level: 51 dBA (max.)

MTBF

- 447,228 hours @ 25° C

Operating Temperature

- 0° – 40° C (32° – 104° F)

Operating Humidity

- Max. 90% non-condensing

Dimensions

- 440 x 195 x 44mm (17.3 x 7.68 x 1.73 in.)

Weight

- 3.06kg (6.75 lbs.)

Certifications

- CE
- FCC
- ETL

Warranty

- Lifetime Warranty

Package Contents

- TPE-TG262ES
- Quick Installation Guide
- Power cord (1.5m / 5 ft.)
- Rackmount kit

All references to speed are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.

TRENDnet offers a 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.