



5-Port Gigabit EdgeSmart Switch

TEG-S50ES (v1.0R)

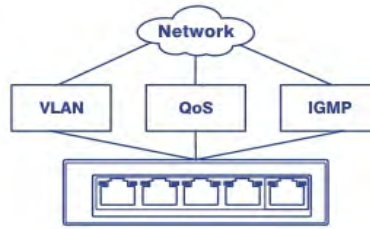
- 5 x Gigabit ports
- Easy to use web-based management interface
- Supports static link aggregation, RSTP, VLAN, QoS, and IGMP Snooping
- Voice VLAN for VoIP applications
- Bandwidth control per port
- 10Gbps switching capacity
- IEEE 802.1p CoS with queue scheduling support
- Compact fanless design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

TRENDnet's 5-Port Gigabit EdgeSmart Switch, model TEG-S50ES, is a cost-effective switch solution for high-speed gigabit applications. This 5-port smart switch features the most commonly used managed switch features, reducing unnecessary switch complexity. The web-based management interface offers features for traffic control, RSTP, VLAN, QoS, access control, static link aggregation, and monitoring. TRENDnet's TEG-S50ES allows for simple network integration into your SMB network.



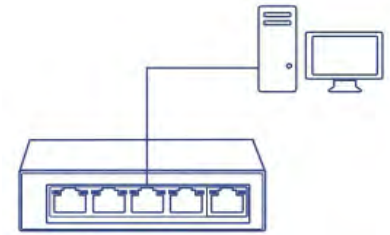
EdgeSmart Management

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 simpler deployment.



Integration Flexibility

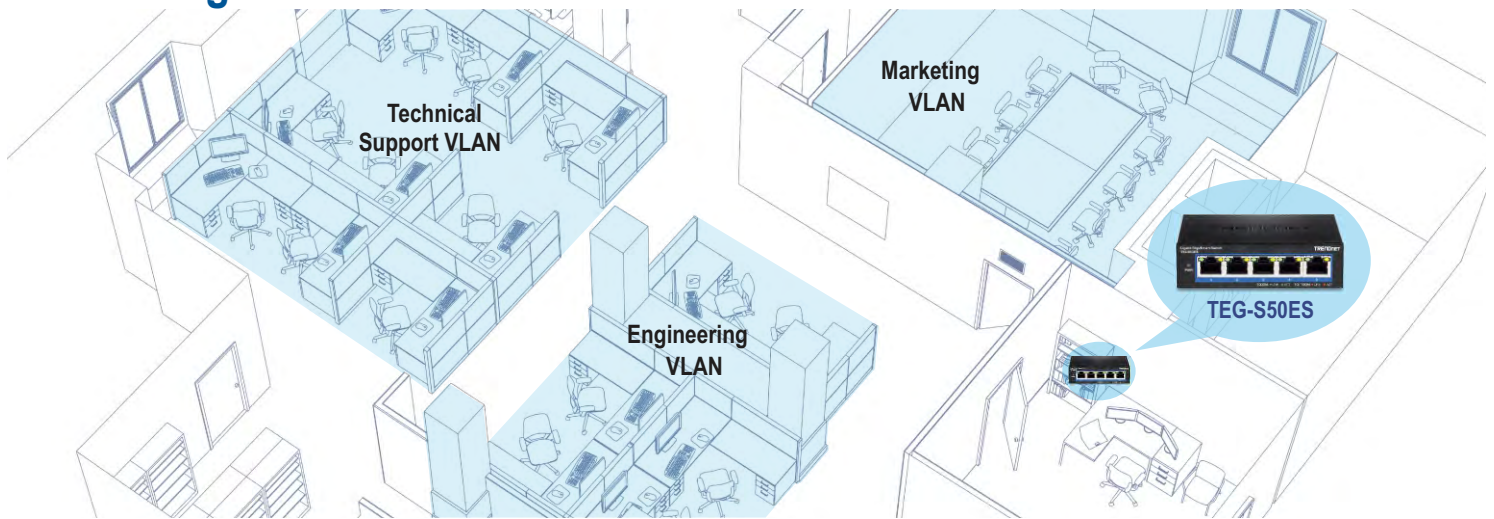
Managed features include loopback detection, RSTP, static link aggregation, VLAN, IGMP Snooping, and QoS for flexible network integration.



Monitoring

The 5-port smart switch includes SNMP, SNMP Trap, and Port Mirroring for support administrator monitoring solutions.

Networking Solution



Ports

Five gigabit ports provide a 10Gbps switching capacity



Monitoring

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



Fanless

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



Compact Design

With a compact and lightweight metal housing design this 5-port smart switch is well-suited for desktop or wall mount installations



Troubleshooting

Traffic statistics and a convenient cable diagnostic test



LED Indicators

LED indicators convey port status



Network Management

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

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 802.3az
Device Interface	<ul style="list-style-type: none"> • 5 x Gigabit ports • LED indicators • Reset button
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)
Performance	<ul style="list-style-type: none"> • Switch fabric: 10Gbps • RAM buffer: 125KB • MAC Address Table: 2K entries • Jumbo Frames: 9KB • Forwarding rate: 7.44Mpps (64-byte packet size)
Management	<ul style="list-style-type: none"> • HTTP Web based GUI • SNMP v1, v2c • Cable diagnostic test • Backup/Restore Configuration • Upload Firmware
Spanning Tree	<ul style="list-style-type: none"> • IEEE 802.1d STP (spanning tree protocol) • IEEE 802.1w RSTP (rapid spanning tree protocol)
Link Aggregation	<ul style="list-style-type: none"> • Static link aggregation (1 group)
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)
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)

Multicast	<ul style="list-style-type: none"> • IGMP Snooping v1/2/3 • Block unknown multicast source • Up to 32 multicast groups
Port Mirror	<ul style="list-style-type: none"> • One to one • Many to one
Storm Control	<ul style="list-style-type: none"> • Broadcast (Min. Limit: 8Kbps) • Multicast (Min. Limit: 8Kbps) • Loopback Detection
Special Features	<ul style="list-style-type: none"> • Enable/disable 802.3az Power Saving • Wall mountable
Power	<ul style="list-style-type: none"> • Input: 100 – 240V AC, 50/60Hz, 0.2A • Output: 5V DC, 1A external power adapter • Max consumption: 3.42W
Fan / Acoustics	<ul style="list-style-type: none"> • Fanless design
MTBF	<ul style="list-style-type: none"> • 1,633,047 hours
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"> • 100.5 x 82 x 28mm (3.95 x 3.22 x 1.1 in.)
Weight	<ul style="list-style-type: none"> • 224g (7.9 oz.)
Certifications	<ul style="list-style-type: none"> • CE • FCC
Warranty	<ul style="list-style-type: none"> • Lifetime Warranty

PACKAGE CONTENTS

- TEG-S50ES
- Quick Installation Guide
- Power adapter (5V DC, 1A)

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.