



## 5-Port Gigabit GREENnet Switch TEG-S50g (V3.0R)

The compact 5-Port Gigabit GREENnet Switch provides high bandwidth performance, ease of use and reliability, all while reducing power consumption by up to 70%.

GREENnet technology automatically adjusts power voltage as needed, resulting in substantial energy savings.

Boost your office efficiency and eliminate network congestion with Gigabit speeds and total switching capacity of 10Gbps with Full-Duplex Mode. Plug and Play this sturdy metal switch for reliable high-speed network connectivity.

### FEATURES

- 5 x 10/100/1000Mbps Auto-Negotiation, Auto-MDIX Gigabit Ethernet ports

- GREENnet technology reduces power consumption when:
  - a. Ethernet port is not in use
  - b. Connected device is turned off
  - c. Connected device is in power-saving mode
  - d. Based on Ethernet cable length
- Store-and-Forward switching architecture with non-blocking wire-speed performance
- IEEE 802.3x Flow Control for full-duplex mode
- Back pressure Flow Control for half-duplex mode
- Integrated address look-up engine with an 8K absolute MAC address table and 128KBytes RAM data buffering
- Operates and maximizes packet filtering and forwarding rate
- Physical layer port polarity detection and correction
- IEEE 802.3az Energy Efficient Ethernet and GREENnet technology
- Jumbo Frame support up to 12KBytes
- Sturdy metal housing
- Diagnostic LEDs and Plug & Play
- 3 year limited warranty

# 5-Port Gigabit GREENnet Switch

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## SPECIFICATIONS

Hardware	
Standards	<ul style="list-style-type: none"><li>• IEEE 802.3 10Base-T; IEEE 802.3u 100Base-TX</li><li>• IEEE 802.3x Flow Control; IEEE 802.3az Energy Efficient Ethernet</li></ul>
Network Media	<ul style="list-style-type: none"><li>• Ethernet: Cat. 3,4,5, up to 100m</li><li>• Fast Ethernet: Cat. 5, up to 100m</li><li>• Gigabit Ethernet: Cat. 5, 5e,6, up to 100m</li></ul>
Data Rate	<ul style="list-style-type: none"><li>• Ethernet: 10Mbps/20Mbps (half/full-duplex)</li><li>• Fast Ethernet: 100Mbps/200Mbps (half/full-duplex)</li><li>• Gigabit Ethernet: 2000Mbps (full-duplex)</li></ul>
Protocol / Topology	<ul style="list-style-type: none"><li>• CSMA/CD, Star</li></ul>
Power Consumption	<ul style="list-style-type: none"><li>• 3 Watts (max)</li></ul>
Switch Fabric	<ul style="list-style-type: none"><li>• 10Gbps forwarding capacity</li></ul>
Interface	<ul style="list-style-type: none"><li>• 5 x 10/100/1000Mbps Auto-MDIX RJ-45 ports</li></ul>
Data RAM Buffer	<ul style="list-style-type: none"><li>• 104Kbits</li></ul>
Jumbo Frame Support	<ul style="list-style-type: none"><li>• 9216Bytes</li></ul>
Filtering Table	<ul style="list-style-type: none"><li>• 8K entries</li></ul>
Diagnostic LED	<ul style="list-style-type: none"><li>• Power, Link/ACT, Speed</li></ul>
Power Adapter	<ul style="list-style-type: none"><li>• 5V DC, 1A external power adapter</li></ul>
Dimension	<ul style="list-style-type: none"><li>• 116 x 25 x 70mm (4.57 x 0.98 x 2.76 in.)</li></ul>
Weight	<ul style="list-style-type: none"><li>• 225 g (7.8 oz)</li></ul>
Temperature	<ul style="list-style-type: none"><li>• Operating: 0° ~ 40° C (32° ~ 104° F)</li><li>• Storage: -10° ~ 70° C (14° ~ 158° F)</li></ul>
Humidity	<ul style="list-style-type: none"><li>• 5%~90% (non-condensing)</li></ul>
Certifications	<ul style="list-style-type: none"><li>• FCC, CE</li></ul>

\*Max power savings compared with standard TRENDnet switches.

## NETWORKING SOLUTIONS

**1**  
Delivers less power to unused ports

**2**  
Delivers less power when devices are off

**3**  
Delivers less power with shorter cable lengths

GREENnet Switch  
Flex-Power  
20m 60m 100m  
Regular Switch  
Full Power  
20m 60m 100m

\*Max power savings compared with standard TRENDnet switches.



## PACKAGE CONTENTS

- TEG-S50g
- Multi-Language Quick Installation Guide
- Power Adapter (5V DC, 1A)

## RELATED PRODUCTS

TEW-673GRU	300Mbps Concurrent Dual Band Wireless N Gigabit Router
TEG-PCBUSR	10/100/1000Mbps Gigabit CardBus PC Card
TEG-PCITXR	10/100/1000Mbps Gigabit PCI Adapter
TEG-S80g	8-Port Gigabit GREENnet Switch

## ORDERING INFORMATION

**TRENDnet**

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