



## 8-Port Gigabit GREENnet Switch TEG-S81g (V1.0R)

The compact 8-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 16 Gbps with Full-Duplex Mode. Plug and Play this switch for reliable high speed network connectivity.

## PRODUCT OVERVIEW

- GREENnet technology reduces power consumption by up to 70%\*
- 8 x Gigabit Auto-Negotiation ports
- Build a high performance energy efficient Gigabit network in minutes
- Plug and Play installation

## FEATURES

- 8 x Gigabit Mbps Auto-MDIX Gigabit Ethernet ports
- GREENnet technology reduces power consumption when:
  - Ethernet port is not in use
  - Connected device is turned off
  - Connected device is in power-saving mode
  - 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
- 8 K absolute MAC address table
- 256 KBytes RAM data buffering
- Operates and maximizes packet filtering and forwarding rate
- IEEE 802.3az Energy Efficient Ethernet technology
- Jumbo Frame support up to 9216 Bytes
- Diagnostic LEDs
- Plug & Play
- 3-year limited warranty

\* Max power savings compared with standard TRENDnet switches.

# 8-Port Gigabit GREENnet Switch

TEG-S81g (v1.0R)

GIGABIT  
SWITCHES

## SPECIFICATIONS

### HARDWARE

<b>Standards</b>	<ul style="list-style-type: none"><li>• IEEE 802.3 10Base-T; IEEE 802.3u 100Base-TX</li><li>• IEEE 802.3ab 1000Base-T; IEEE 802.3x Flow Control; IEEE 802.3az Energy Efficient Ethernet</li></ul>
<b>Network Media</b>	<ul style="list-style-type: none"><li>• Ethernet: Cat. 5 up to 100 m</li><li>• Fast Ethernet: Cat. 5 up to 100 m</li><li>• Gigabit Ethernet: Cat. 5, 5e,6 up to 100 m</li></ul>
<b>Data Rate</b>	<ul style="list-style-type: none"><li>• Ethernet: 10 Mbps / 20 Mbps (half / full-duplex)</li><li>• Fast Ethernet: 100 Mbps / 200 Mbps (half / full-duplex)</li><li>• Gigabit Ethernet: 2000 Mbps (full-duplex)</li></ul>
<b>Protocol / Topology</b>	<ul style="list-style-type: none"><li>• CSMA / CD, Star</li></ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"><li>• 3.5 Watts (max.)</li></ul>
<b>Switch Fabric</b>	<ul style="list-style-type: none"><li>• 16 Gbps forwarding capacity</li></ul>
<b>Interface</b>	<ul style="list-style-type: none"><li>• 8 x Gigabit Auto-MDIX RJ-45 ports</li></ul>
<b>Data RAM Buffer</b>	<ul style="list-style-type: none"><li>• 256 KBytes</li></ul>
<b>Filtering Table</b>	<ul style="list-style-type: none"><li>• 8 K entries</li></ul>
<b>Jumbo Frame Support</b>	<ul style="list-style-type: none"><li>• 9216 Bytes</li></ul>
<b>Diagnostic LEDs</b>	<ul style="list-style-type: none"><li>• Power, Link / ACT, 100 Mbps / 1000 Mbps</li></ul>
<b>Power Adapter</b>	<ul style="list-style-type: none"><li>• Input: 100-240 V, 50 / 60 Hz, 190 mA</li><li>• Output: 5 V DC, 1 A external power adapter</li></ul>
<b>Dimension</b>	<ul style="list-style-type: none"><li>• 171 x 100 x 31 mm (6.7 x 3.9 x 1.2 in.)</li></ul>
<b>Weight</b>	<ul style="list-style-type: none"><li>• 190 g (6.8 oz)</li></ul>
<b>Temperature</b>	<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>
<b>Humidity</b>	<ul style="list-style-type: none"><li>• Max 90% (non-condensing)</li></ul>
<b>Certifications</b>	<ul style="list-style-type: none"><li>• FCC, CE</li></ul>

## NETWORKING SOLUTIONS



## PACKAGE CONTENTS

TEG-S81g

Multi-Language Quick Installation Guide

Power adapter (5 V DC, 1 A)

## RELATED PRODUCTS

TEW-812DRU	AC1750 Dual Band Wireless Router
TEG-S82G	8-Port Gigabit GREENnet Switch
TEG-PCITXR	Gigabit PCI Adapter

## CONTACT INFORMATION

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