

## 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.

Gigabit speeds and total switching capacity of 16 Gbps with Full-Duplex Mode. Plug and Play this switch for reliable high speed

## 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

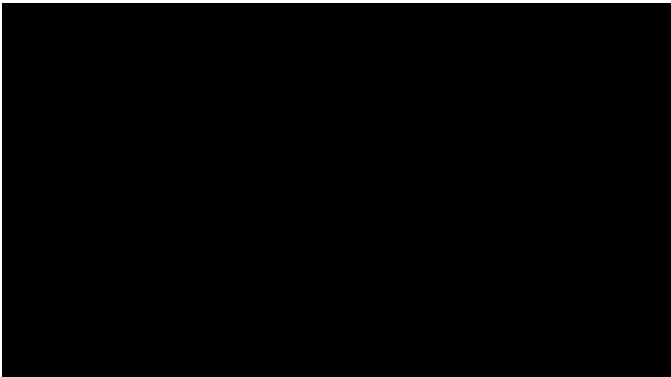
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## SPECIFICATIONS

HARDWARE	
Standards	<ul style="list-style-type: none"><li>IEEE 802.3 10Base-T; IEEE 802.3u 100Base-TX</li><li>IEEE 802.3ab 1000Base-T; IEEE 802.3x Flow Control; IEEE 802.3az Energy Efficient Ethernet</li></ul>
Network Media	<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>
Data Rate	<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>
Protocol / Topology	<ul style="list-style-type: none"><li>CSMA / CD, Star</li></ul>
Power Consumption	<ul style="list-style-type: none"><li>3.5 Watts (max.)</li></ul>
Switch Fabric	<ul style="list-style-type: none"><li>16 Gbps forwarding capacity</li></ul>
Interface	<ul style="list-style-type: none"><li>8 x Gigabit Auto-MDIX RJ-45 ports</li></ul>
Data RAM Buffer	<ul style="list-style-type: none"><li>256 KBytes</li></ul>
Filtering Table	<ul style="list-style-type: none"><li>8 K entries</li></ul>
Jumbo Frame Support	<ul style="list-style-type: none"><li>9216 Bytes</li></ul>
Diagnostic LEDs	<ul style="list-style-type: none"><li>Power, Link / ACT, 100 Mbps / 1000 Mbps</li></ul>
Power Adapter	<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>
Dimension	<ul style="list-style-type: none"><li>171 x 100 x 31 mm (6.7 x 3.9 x 1.2 in.)</li></ul>
Weight	<ul style="list-style-type: none"><li>190 g (6.8 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>Max 90% (non-condensing)</li></ul>
	<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

20675 Manhattan Place,Torrance, CA 90501 USA  
Tel: 1-310-961-5500  
Fax: 1-310-961-5511  
Web: [www.trendnet.com](http://www.trendnet.com)  
Email: [sales@trendnet.com](mailto:sales@trendnet.com)  
**1-888-326-6061**

