



## 8-Port Gigabit GREENnet Switch TEG-S80g (V2.0R)

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 16Gbps with Full-Duplex Mode. Plug and Play this sturdy metal switch for reliable high-speed network connectivity.



## FEATURES

- 8 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 9216Bytes
- Sturdy metal housing
- Diagnostic LEDs and Plug & Play
- 3-year limited warranty

\*Max power savings compared with standard TRENDnet switches.

# 8-Port Gigabit GREENnet Switch

## TEG-S80g (V2.0R)

### 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. 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>
<b>Data Rate</b>	<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>
<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>• 16Gbps forwarding capacity</li> </ul>
<b>Interface</b>	<ul style="list-style-type: none"> <li>• 8 x 10/100/1000Mbps Auto-MDIX RJ-45 ports</li> </ul>
<b>Data RAM Buffer</b>	<ul style="list-style-type: none"> <li>• 128KBytes</li> </ul>
<b>Filtering Table</b>	<ul style="list-style-type: none"> <li>• 8K entries</li> </ul>
<b>Jumbo Frame Support</b>	<ul style="list-style-type: none"> <li>• 9216Bytes</li> </ul>
<b>Diagnostic LEDs</b>	<ul style="list-style-type: none"> <li>• Power, Link/ACT, 100Mbps/1000Mbps</li> </ul>
<b>Power Adapter</b>	<ul style="list-style-type: none"> <li>• 5V DC, 1A external power adapter</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>• 171 x 98 x 28mm (6.7 x 3.86 x 1.1 in)</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>• 450g (15.9oz)</li> </ul>
<b>Temperature</b>	<ul style="list-style-type: none"> <li>• Operating: 0° ~ 40° C (32° ~ 104° F) • 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

**1** Delivers less power to unused ports

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

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

Flex-Power: 20m, 60m, 100m

Full Power: 20m, 60m, 100m

GREENnet Switch

Regular Switch

\*Max power savings compared with standard TRENDnet switches.

### PACKAGE CONTENTS

- TEG-S80g
- Multi-Language Quick Installation Guide
- Power Adapter (5V DC, 1A)

### RELATED PRODUCTS

<b>TEW-691GR</b>	450Mbps Wireless N Gigabit Router
<b>TEG-PCBUSR</b>	Gigabit PC Card
<b>TEG-PCITXR</b>	Gigabit PCI Adapter
<b>TEG-S50g</b>	5-Port Gigabit GREENnet Switch

### CONTACT INFORMATION

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