



## 5-Port Gigabit GREENnet Switch

### TEG-S50g

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## 1. Before You Start

### Package Contents

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

If any of the above contents are missing, please contact your reseller.

### Minimum Requirements

- A computer with a network adapter installed
- Cat.5e or Cat.6 Network Cable
- The surface must support at least 225g for the Switch
- The power outlet should be within 1.82m (6 ft) of the Switch
- Visually inspect the DC power jack to make sure that it is securely connected to the power adapter
- Make sure that there is proper heat dissipation from and adequate ventilation around the Switch
- Do not place heavy objects on the Switch

## 2. Hardware Installation

1. Connect the **Power Adapter** to the TEG-S50g and then to a power outlet.



2. Connect a Cat.5e or Cat.6 RJ-45 network cable from the computer to an available Ethernet port of the TEG-S50g.



### 3. LEDs



#### Power

- **Green:** Power is on
- **Not Illuminated:** Power is off

#### Link/ACT

- **Green(Solid):** Link to another device
- **Green(Blinking):** Activity is occurring from the link
- **Not Illuminated:** Nothing is detected on the port

#### Speed

- **Green:** Connection for the port is 2000Mbps (Full)
- **Not Illuminated:** Connection to the port is 10/20Mbps (Half/Full), 100/200Mbps (Half/Full) or nothing is detected on the port

## Technical Specifications

| Hardware                   |  |
|----------------------------|--|
| <b>Standards</b>           | <ul style="list-style-type: none"><li>• IEEE 802.3 10Base-T</li><li>• IEEE 802.3u 100Base-TX</li><li>• IEEE 802.3ab 1000Base-T</li><li>• IEEE 802.3x Flow Control</li><li>• 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>   | CSMA/CD, Star  |
| <b>Power Consumption</b>   | 3 Watts (max)  |
| <b>Switch Fabric</b>       | 10Gbps forwarding capacity   |
| <b>Interface</b>           | 5 x 10/100/1000Mbps Auto-MDIX RJ-45 ports  |
| <b>Data RAM Buffer</b>     | 128KBytes  |
| <b>Filtering Table</b>     | 8K entries   |
| <b>Jumbo Frame Support</b> | 9216Bytes  |
| <b>Diagnostic LEDs</b>     | Power, Link/ACT, Speed   |
| <b>Power Adapter</b>       | 5V DC, 1A external power adapter   |
| <b>Dimension</b>           | 116 x 25 x 70mm (4.57 x 0.98 x 2.76 in.)   |
| <b>Weight</b>              | 225 g (7.8 oz)   |
| <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>            | Max. 90% (non-condensing)  |
| <b>Certifications</b>      | FCC, CE  |

## Troubleshooting

### 1. After connecting the Switch to a power outlet, the LEDs do not turn on.

Check the connection of the external power adapter to the TEG-S50g and the power outlet. Also check that the power outlet is receiving power.

### 2. When I connect a computer to one of the ports on the Switch, the Power and the Link/ACT LED is lit, but I am not getting Gigabit speeds.

1. Check the LEDs. If the Speed LED is off, the computer's connection speed is 10Mbps or 100Mbps.
2. Check the Ethernet Cable. Make sure you are using Cat.5e or Cat.6 Ethernet Cables. Some Cat.5 cables are not rated to run in Gigabit.
3. Make sure that you have a Gigabit Ethernet adapter installed on your computer.

### 3. After I connect my PCs to the Switch, I am unable to share files.

1. Check the LEDs on the Switch. Make sure the Link/ACT LED is on.
2. Check the network cable. The minimum length of the cable is 1.5 meters and the maximum length of the cable is 100 meters.
3. Disable any software firewall program.
4. Verify that you have file sharing enabled. Please contact your Operating System support for more information.

### 4. After I connect my PCs to the Switch, I can only get onto the Internet from one computer.

The Switch was not designed to share Internet between multiple computers. You need to get an Internet router such as the TW100-S4W1CA.

### 5. Where is the uplink port located on the Switch?

Since all the ports on the Switch are Auto-MDIX, any of the ports can be used as an uplink port.

If you still encounter problems or have any questions regarding the **TEG-S50g** please contact TRENDnet's Technical Support Department.

# Declaration of Conformity



## Company Information:

Company Name:  
TRENDnet, Inc.

Company Address:  
20675 Manhattan Place  
Torrance, CA 90501  
USA

## Product Information:

Product Description:  
5-Port Gigabit GREENnet Switch

Model Number:  
TEG-S50g

Brand name:  
TRENDnet



## Technical Standards:

EN 55022 : 2006 + A1 : 2007 Class B  
EN 61000-3-2 : 2006 Class A  
EN 61000-3-3 :1995 + A1 : 2001 + A2 : 2005  
EN 55024 : 1998 + A1 : 2001 + A2 : 2003

## Declaration:

*The product is herewith confirmed to comply with the requirements of Directive 2004/108/EC of the Council (European Parliament) on the EMC directive and Energy-related products Directive 2009/125/EC.*

*I hereby declare that the products and devices mentioned above are consistent with the standards and provisions of the guidelines.*

Sonny Su

Full Name

June 6, 2011

Date

Director of Technology

Position / Title

Signature

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### **TEG-S50g - 3 Years Limited Warranty**

#### **AC/DC Power Adapter, Cooling Fan and Power Supply carry a 1 year limited warranty**

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## Product Warranty Registration

Please take a moment to register your product online.  
Go to TRENDnet's website at <http://www.trendnet.com/register>

### Certifications

This equipment has been tested and found to comply with FCC and CE Rules.  
Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received. Including interference that may cause undesired operation.



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