



## 5-Port 10/100Mbps GREENnet Switch (TE100-S50g) 8-Port 10/100Mbps GREENnet Switch (TE100-S80g)

- Quick Installation Guide [1]
- Technical Specifications [3]
- Troubleshooting [15]

## 1. Before You Start

### Package Contents

- TE100-S50g/TE100-S80g
- Multi-Language Quick Installation Guide
- Power Adapter (7.5V DC, 1A)

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

### Minimum Requirements

- A computer with a network adapter installed
- CAT-5, CAT-5e or CAT-6 Network Cable
- The surface must support at least 265g for the Switch.
- The power outlet should be within 1.8 meters (6 feet) 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 TE100-S50g/TE100-S80g and then to a power outlet.



2. Connect a CAT-5, CAT-5e or CAT-6 RJ-45 network cable from the computer to an available Ethernet port on the TE100-S50g/TE100-S80g.



### 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.

#### 100Mbps

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

#### Your configuration is complete

For detailed information regarding the **TE100-S50g/TE100-S80g**'s configuration and advanced settings, please refer to the Troubleshooting section, or TRENDnet's website at <http://www.trendnet.com>.

## 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 802.3x Flow Control</li> </ul>
<b>Network Media</b>	<ul style="list-style-type: none"> <li>• Ethernet: 2-Pair UTP/STP CAT-3, -4, -5</li> <li>• Fast Ethernet: 2-Pair UTP/STP CAT-5, -5e, -6</li> </ul>
<b>Data Transfer Rates</b>	<ul style="list-style-type: none"> <li>• Ethernet: 10Mbps (half-duplex), 20Mbps (full-duplex)</li> <li>• Fast Ethernet: 100Mbps (half-duplex), 200Mbps (full-duplex)</li> </ul>
<b>Protocol/Topology</b>	CSMA/CD / Star
<b>Interface</b>	<ul style="list-style-type: none"> <li>• TE100-S50g: 5 x 10/100/1000 Auto-MDIX RJ-45 ports</li> <li>• TE100-S80g: 8 x 10/100/1000 Auto-MDIX RJ-45 ports</li> </ul>
<b>Data RAM Buffer</b>	<ul style="list-style-type: none"> <li>• TE100-S50g: 384Kbytes per device</li> <li>• TE100-S80g: 768Kbytes per device</li> </ul>
<b>Packet Filtering/ Forwarding Rate</b>	<ul style="list-style-type: none"> <li>• 10Mbps Ethernet: 14,880pps (packet per second)</li> <li>• 100Mbps Fast Ethernet: 148,800pps</li> </ul>
<b>MAC Address Learning</b>	Automatic Update
<b>Filtering Table</b>	1K entries per device
<b>Switch Fabric</b>	<ul style="list-style-type: none"> <li>• TE100-S50g: 1Gbps Forwarding Capacity</li> <li>• TE100-S80g: 1.6Gbps Forwarding Capacity</li> </ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"> <li>• TE100-S50g: 2.1W (max)</li> <li>• TE100-S80g: 2.5W (max)</li> </ul>
<b>Diagnostic LEDs</b>	Power, Link/ACT, 100Mbps
<b>Power Adapter</b>	7.5V DC, 1A External Power Adapter
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>• TE100-S50g: 116 x 25 x 70 mm (4.57 x .98 x 2.76 in.)</li> <li>• TE100-S80g: 136 x 25 x 70 mm (5.35 x .98 x 2.76 in.)</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>• TE100-S50g: 225g</li> <li>• TE100-S80g: 265g</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>• Operating: 10% ~ 90%</li> <li>• Storage: 5% ~ 90%</li> </ul>
<b>Certification</b>	CE, FCC

## Troubleshooting

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

1. Check the connection of the external power adapter to the TE100-S50g/TE100-S80g and the power outlet.
2. Check that the power outlet is receiving power.

### **2. When I connect a computer to the switch's port, the LINK/ACT LED turns on, but the 100Mbps LED remains off.**

When the 100Mbps LED is off, the computer's connection speed is 10Mbps.

### **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 **TE100-S50g/TE100-S80g** 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 10/100Mbps GREENnet Switch

8-Port 10/100Mbps GREENnet Switch



Model Number:

TE100-S50g

TE100-S80g

Brand name:

TRENDnet

## Technical Standards:

EN 55022 : 2006 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

Name (Full Name)

June 20, 2011

Date

Director of Technology

Position / Title

Legal Signature

## Limited Warranty

TRENDnet warrants its products against defects in material and workmanship, under normal use and service, for the following lengths of time from the date of purchase.

### **TE100-S50g/TE100-S80g - 3 Year Limited Warranty AC/DC Power Adapter, Cooling Fan and Power Supply carry 1 year warranty**

If a product does not operate as warranted during the applicable warranty period, TRENDnet shall reserve the right, at its expense, to repair or replace the defective product or part and deliver an equivalent product or part to the customer. The repair/replacement unit's warranty continues from the original date of purchase. All products that are replaced become the property of TRENDnet. Replacement products may be new or reconditioned. TRENDnet does not issue refunds or credit. Please contact the point-of-purchase for their return policies.

TRENDnet shall not be responsible for any software, firmware, information, or memory data of customer contained in, stored on, or integrated with any products returned to TRENDnet pursuant to any warranty.

There are no user serviceable parts inside the product. Do not remove or attempt to service the product by any unauthorized service center. This warranty is voided if (i) the product has been modified or repaired by any unauthorized service center, (ii) the product was subject to accident, abuse, or improper use (iii) the product was subject to conditions more severe than those specified in the manual.

Warranty service may be obtained by contacting TRENDnet within the applicable warranty period and providing a copy of the dated proof of the purchase. Upon proper submission of required documentation a Return Material Authorization (RMA) number will be issued. An RMA number is required in order to initiate warranty service support for all TRENDnet products. Products that are sent to TRENDnet for RMA service must have the RMA number marked on the outside of return packages and sent to TRENDnet prepaid, insured and packaged appropriately for safe shipment. Customers shipping from outside of the USA and Canada are responsible for return shipping fees. Customers shipping from outside of the USA are responsible for custom charges, including but not limited to, duty, tax, and other fees.

**WARRANTIES EXCLUSIVE:** IF THE TRENDNET PRODUCT DOES NOT OPERATE AS WARRANTED ABOVE, THE CUSTOMER'S SOLE REMEDY SHALL BE, AT TRENDNET'S OPTION, REPAIR OR REPLACE. THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. TRENDNET NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE, INSTALLATION MAINTENANCE OR USE OF TRENDNET'S PRODUCTS.

TRENDNET SHALL NOT BE LIABLE UNDER THIS WARRANTY IF ITS TESTING AND EXAMINATION DISCLOSE THAT THE ALLEGED DEFECT IN THE PRODUCT DOES NOT EXIST OR WAS CAUSED BY CUSTOMER'S OR ANY THIRD PERSON'S MISUSE, NEGLIGENCE, IMPROPER INSTALLATION OR TESTING, UNAUTHORIZED ATTEMPTS TO REPAIR OR MODIFY, OR ANY OTHER CAUSE BEYOND THE RANGE OF THE INTENDED USE, OR BY ACCIDENT, FIRE, LIGHTNING, OR OTHER HAZARD.

LIMITATION OF LIABILITY: TO THE FULL EXTENT ALLOWED BY LAW TRENDNET ALSO EXCLUDES FOR ITSELF AND ITS SUPPLIERS ANY LIABILITY, WHETHER BASED IN CONTRACT OR TORT (INCLUDING NEGLIGENCE), FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY KIND, OR FOR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA, OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE, USE, PERFORMANCE, FAILURE, OR INTERRUPTION OF THE POSSIBILITY OF SUCH DAMAGES, AND LIMITS ITS LIABILITY TO REPAIR, REPLACEMENT, OR REFUND OF THE PURCHASE PRICE PAID, AT TRENDNET'S OPTION. THIS DISCLAIMER OF LIABILITY FOR DAMAGES WILL NOT BE AFFECTED IF ANY REMEDY PROVIDED HEREIN SHALL FAIL OF ITS ESSENTIAL PURPOSE.

**Governing Law:** This Limited Warranty shall be governed by the laws of the state of California.

Some TRENDnet products include software code written by third party developers. These codes are subject to the GNU General Public License ("GPL") or GNU Lesser General Public License ("LGPL").

Go to <http://www.trendnet.com/gpl> or <http://www.trendnet.com> Download section and look for the desired TRENDnet product to access to the GPL Code or LGPL Code. These codes are distributed WITHOUT WARRANTY and are subject to the copyrights of the developers. TRENDnet does not provide technical support for these codes. Please go to <http://www.gnu.org/licenses/gpl.txt> or <http://www.gnu.org/licenses/lgpl.txt> for specific terms of each license.

PWP05202009v2





## 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.



Waste electrical and electronic products must not be disposed of with household waste. Please recycle where facilities exist. Check with you Local Authority or Retailer for recycling advice.



**NOTE:** THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

### ADVERTENCIA

En todos nuestros equipos se mencionan claramente las características del adaptador de alimentación necesario para su funcionamiento. El uso de un adaptador distinto al mencionado puede producir daños físicos y/o daños al equipo conectado. El adaptador de alimentación debe operar con voltaje y frecuencia de la energía eléctrica domiciliar existente en el país o zona de instalación.

**TRENDnet**  
**20675 Manhattan Place**  
**Torrance, CA 90501. USA**