TRENDNET®

Quick Installation Guide

TEG-S160TX
TEG-S240TX

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1. Before You Start

Package Content
• TEG-S160TX/TEG-S240TX
• Quick Installation Guide
• 2 mounting brackets and screws
• 4 Rubber Feet
• Power Cord

Installation Requirements

- Computer with Network adapter installed
- An environment that is fairly cool and dry
- An environment that is free from strong electromagnetic field generators (such as motors), vibration, dust and direct exposure to sunlight
- Leave at least 10 cm of space at the front and rear of the Switch for ventilation
- EIA Standard, 19 inch rack or sturdy, level surface that can support the weight of the Switch

Application

16-Port 10/100/1000Mbps Copper Gigabit Switch
(TEG-S160TX)
or
24-Port 10/100/1000Mbps Copper Gigabit Switch
(TEG-S240TX)

Servers with 10/100/1000Mbps Copper Gigabit PCI Adapter (TEG-PCITXR)

Notebooks with Gigabit CardBus PC Card (TEG-PCBUSR)

Workstations with 10/100/1000Mbps Copper Gigabit PCI Adapter (TEG-PCITXR)
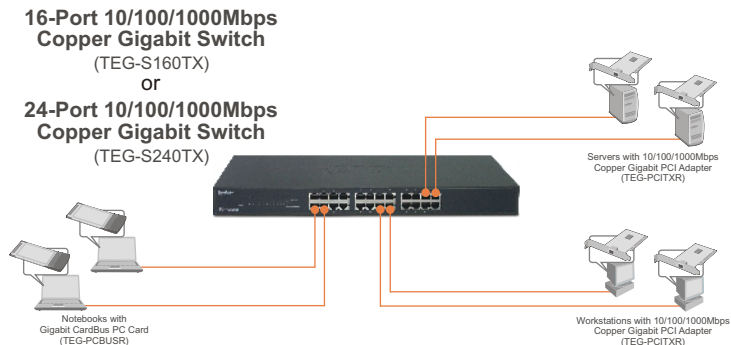
2. Hardware Installation

**1.** Connect the AC Power Adapter to the TEG-S160TX/TEG-S240TX 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 on the TEG-S160TX/TEG-S240TX.
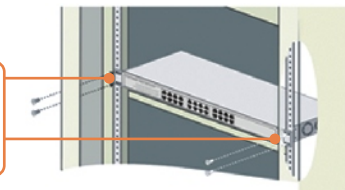
Rack Mount

The Switch can be mounted in an EIA standard-size, 19-inch rack, which can be placed in a wiring closet with other equipment.

3. Attach the mounting brackets to the Switch's front panel (one on each side), and secure them with the provided screws.
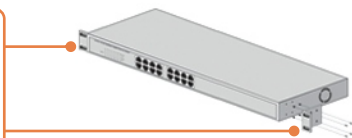
4. Use the screws provided with the equipment rack to mount the Switch.

Hardware	
Standards	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE-T IEEE 802.3x Full-Duplex Flow Control
Protocol	CSMA/CD
Data Transfer Rate	Ethernet: 10Mbps (half-duplex), 20Mbps (full-duplex) Fast Ethernet: 100Mbps (half-duplex), 200Mbps (full-duplex) Gigabit Ethernet: 2000Mbps (full-duplex)
Topology	Star
Network Cables	Ethernet: UTP/STP CAT-3, -4, -5 Fast Ethernet: UTP/STP CAT-5 Gigabit : UTP/STP CAT-5e, CAT-6 (Recommended)
Number of Ports	16/24 x 10/100/1000Mbps Auto-Negotiation, Auto-MDIX
Physical and Environmentalware	
Power	100-240V AC Universal, 50/60 Hz Internal Power Supply
Power Consumption	13.5 Watts. Max (TEG-S160TX) 19 Watts Max (TEG-S240TX)
Temperature	Operating: 0° ~ 40° C (32° ~ 104° F) Storage: -10° ~ 70° C (14° ~ 158° F)
Humidity	5% ~ 90% (non-condescending)
Dimensions	440 x 140 x 44 mm
Weight	3Kg
Emissions	CE, FCC

Performance	
Transmission Method	Store-and-Forward
Packet Filtering/ Forwarding Rate	10Mbps Ethernet: 14,880pps (packet per second) 100Mbps Fast Ethernet: 148,800pps 1000Mbps Gigabit Ethernet: 1,488,000pps
MAC Address Learning:	Self-learning, auto-aging
RAM Buffer	340KB per device (TEG-S160TX) 500KB per device (TEG-S240TX)
Filtering Address Table	8K entries per device

Troubleshooting

Q1: **After connecting the Switch to a power outlet, the LEDs do not turn on.**
A1: Check the connection of the power adapter to the TEG-S160TX/ TEG-S240TX and the power outlet. Also check that the power outlet is receiving power.

Q2: **When I connect a computer to the Switch port, the LINK/ACT LED turns on, but the 1000Mbps LED remains off.**
A2: First, 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 Gigabit. Second, make sure that you have a Gigabit Ethernet Adapter installed on your computer.

Q3: **After I connect my PCs to the Switch, I am unable to share files.**
A3: First, check the LEDs on the Switch. Make sure the LINK/ACT LED is on. Second, check the network cable. The minimum length of the cable is 1.5 meters and the maximum length of the cable is 100 meters. Third, disable any software firewall program. Fourth, verify that you have file and printer sharing enabled. Please contact Microsoft support for more information.

Q4: **After I connect my PCs to the Switch, I can only get onto the Internet from one computer.**
A4: The Switch was not designed to share Internet between multiple computers. You need to get an Internet router.

If you still encounter problems or have any questions regarding the TEG-S160TX/TEG-S240TX please contact TRENDnet's Technical Support Department.

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.

TEG-S160TX/TEG-S240TX - 5-Year Warranty

If a product does not operate as warranted above during the applicable warranty period, TRENDnet shall, at its option and expense, repair the defective product or deliver to customer an equivalent product to replace the defective item. All products that are replaced will become the property of TRENDnet. Replacement products may be new or reconditioned.

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 through 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 office within the applicable warranty period for a Return Material Authorization (RMA) number, accompanied by a copy of the dated proof of the purchase. Products returned to TRENDnet must be pre-authorized by TRENDnet with RMA number marked on the outside of the package, and sent prepaid, insured and packaged appropriately for safe shipment.

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 REPLACEMENT. 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.

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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 DATE, 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.

Note: AC/DC Power Adapter, Cooling Fan, and Power Supply carry 1-Year Warranty

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.

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 caracteristicas del adaptador de alimentacón necesario para su funcionamiento. El uso de un adaptador distinto al mencionado puede producir daños fisicos y/o daños al equipo conectado. El adaptador de alimentación debe operar con voltaje y frecuencia de la energia electrica domiciliaria existente en el pais o zona de instalación.

TRENDnet

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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

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