



## Quick Installation Guide



**TEG-S224**

# Table of Contents

English .....	1
1. Before You Start .....	1
2. Hardware Installation .....	2
Technical Specifications .....	4
Troubleshooting .....	6

# 1. Before You Start



## Package Content

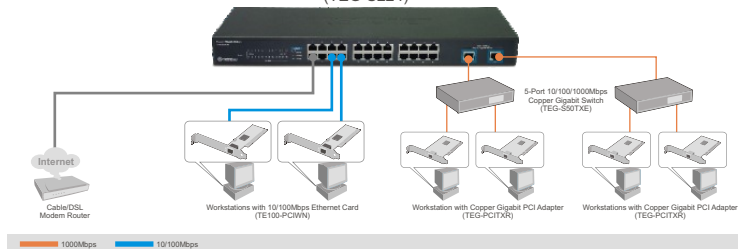
- TEG-S224
- Quick Installation Guide
- 2 mounting brackets and screws
- 4 Rubber Feet
- Power Cord

## Minimum 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

### 26-Port 10/100/1000Mbps Copper Gigabit Switch (TEG-S224)



## 2. Hardware Installation

1. Connect the **Power Cord** to the TEG-S224 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-S224.



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 both sides of the switch and secure them with the provided screws.



4. Carefully position the switch onto the rack. Align the bracket to the screw holes on the rack, then use the screws provided with the equipment rack to mount the switch.

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General	
<b>Standards</b>	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
<b>Protocol</b>	CSMA/CD
<b>Data Transfer Rates</b>	<u>Ethernet:</u> 10Mbps (Half-Duplex), 20Mbps (Full-Duplex) <u>Fast Ethernet:</u> 100Mbps (Half-Duplex), 200Mbps (Full-Duplex) <u>Gigabit Ethernet:</u> 2000Mbps (full-duplex)
<b>Topology</b>	Star
<b>Network Cables</b>	Ethernet: UTP/STP CAT-3, 4, 5 Fast Ethernet: UTP/STP CAT-5, 5e, 6 Gigabit : UTP/STP CAT-5e, CAT-6 (Recommended)
<b>Number of Ports</b>	24 x 10/100Mbps Auto-Negotiation, Auto-MDIX 2 x 10/100/1000Mbps Auto-Negotiation, Auto-MDIX

Performance	
<b>Transmission Method</b>	Store-and-Forward
<b>Packet Filtering/ Forwarding Rate</b>	10Mbps Ethernet: 14,880pps (packet per second) 100Mbps Fast Ethernet: 148,800pps 1000Mbps Gigabit Ethernet: 1,488,000pps
<b>MAC Address Learning</b>	Self-learning, auto-aging
<b>RAM Buffer</b>	2.5MB per device
<b>Filtering Address Table</b>	8K entries per device

## Physical and Environmental

<b>AC inputs</b>	100-240V AC Universal, 50/60 Hz
<b>Power Consumption</b>	11.75 Watts
<b>Temperature</b>	Operating: 0° ~ 40° C, Storage: -10° ~ 70° C
<b>Humidity</b>	Operating: 10% ~ 90% (non-condescending)
<b>Dimensions (L x W x H)</b>	440 x 140 x 44 mm
<b>Weight</b>	4.7lbs
<b>Certification</b>	FCC Class A, CE Mark Class A, VCCI Class A

**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-S224 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 in 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 sharing enabled. Please contact your operating system provider 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 install an Internet router such as the TRENDnet TW100-S4W1CA.

If you still encounter problems or have any questions regarding the TEG-S224 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-S224 - 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.

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

Note: AC/DC Power Adapter, Cooling Fan, Cables 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.



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.



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## TRENDnet Technical Support

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