



## Quick Installation Guide



**TEG-S224**

# Table of Contents

Deutsch .....	1
1. Bevor Sie anfangen .....	1
2. Installation der Hardware .....	2
Technical Specifications .....	4
Troubleshooting .....	6

# 1. Bevor Sie anfangen



## Packungsinhalt

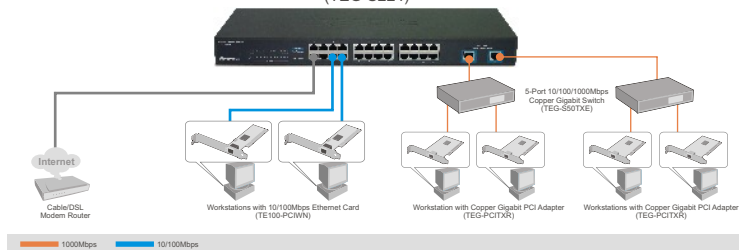
- TEG-S224
- Anleitung zur Schnellinstallation
- 2 Montageklammern mit Schrauben
- 4 GummifüÙe
- Stromkabel

## Mindestanforderungen

- Computer mit korrekt installiertem Netzwerkadapter
- Ausreichend kühle und trockene Umgebung
- Abwesenheit von starken Quellen elektromagnetischer Felder (wie Motoren), Vibrationen, Staub und direkter Sonneneinstrahlung
- Lassen Sie vor und hinter dem Umschalter mindestens 10 cm Entlüftungsabstand
- 19-Zoll-Gestell nach EIA-Standard oder feste, ebene Oberfläche, die das Gewicht des Umschalters tragen kann

## Anwendung

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



## 2. Installation der Hardware

1. Verbinden Sie das **Stromkabel** dem TEG-S224 und stecken Sie es in eine Steckdose.



2. Verbinden Sie den Computer über ein Kat.-5e oder Kat.-6 RJ-45-Netzwerkkabel mit einem freien Ethernet-Port des TEG-S224.



Der Umschalter lässt sich in ein standardmäßiges 19-Zoll EIA-Gestell einbauen, das seinerseits gemeinsam mit anderen Geräten in einen Kabelschrank montiert werden kann.

3. Bringen Sie die Befestigungsbügel mit den mitgelieferten Schrauben an beiden Seiten des Umschalters an.



4. Setzen Sie den Umschalter sorgfältig in das Gestell ein. Richten Sie den Bügel an den Schraubenlöchern im Gestell aus und befestigen Sie den Umschalter mit den zum Gestell gehörenden Schrauben.

# Technical Specifications

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.

## 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 your 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.



## 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.

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 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.

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



## TRENDnet Technical Support

### US • Canada

**Toll Free Telephone:** 1(866) 845-3673

24/7 Tech Support



### Europe (Germany • France • Italy • Spain • Switzerland • UK)

**Toll Free Telephone:** +00800 60 76 76

<sup>67</sup> English/Espanol - 24/7

Francais/Deutsch - 11 am-8pm, Monday - Friday MET

### Worldwide

**Telephone:** +(31) (0) 20 504 05 35

English/Espanol - 24/7

Francais/Deutsch - 11 am-8pm, Monday - Friday MET

## Product Warranty Registration

Please take a moment to register your product online.

Go to TRENDnet's website at <http://www.trendnet.com>

**TRENDnet**

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