

# TE100-S55E+/TE100-S88E+

5-port/8-port 10/100Mbps Auto-MDIX Fast Ethernet Mini Switch  
User's Guide

Le Guide de l'utilisateur du  
Votre Switch Fast Ethernet 10/100M à 5 ou 8 ports

Benutzeranleitung des  
10/100M Fast Ethernet Switch mit 5 oder 8 Anschlüssen

Guía del Usuario  
Del conmutador Fast Ethernet de 5 puertos o 8 puertos a 10/100 m

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**TRENDnet**<sup>®</sup>  
TRENDware, USA  
**What's Next in Networking**

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## 1. About This Guide

Congratulations on your purchase of the 5-Port or 8-Port 10/100Mbps Fast Ethernet Switch. This device integrates 100Mbps Fast Ethernet and 10Mbps Ethernet network capabilities in a highly flexible desktop package.

### Terms/Usage

In this guide, the term "Switch" (first letter upper case) refers to the 5-Port or 8-port 10/100Mbps auto-negotiation Fast Ethernet Switch, and "switch" (first letter lower case) refers to other Ethernet switches.

### Overview of this User's Guide

**Introduction.** Describes the Switch and its features.

**Packaging Contents.** Helps you get started with the basic installation of the Switch.

**Identifying External Components.** Describes the front panel, rear panel and LED indicators of the Switch.

**Connecting the Switch.** Tells how you can connect the Switch to your Ethernet network.

**Technical Specifications.** Lists the technical (general, physical and environmental, and performance) specifications of the Switch.

## 2. Introduction

This chapter describes the features of the Switch.

### Features

The Switch is ideal for deployment with multiple high-speed servers for shared bandwidth 10Mbps or 100Mbps workgroups. With the highest bandwidth 200Mbps (100Mbps full-duplex mode), any port can provide workstations with a congestion-free data pipe for simultaneous access to the server.

The Switch is an unmanaged 10/100 Fast Ethernet Switch that offers solutions in increasing small Ethernet/Fast Ethernet workgroup bandwidth. Other key features are:

- Store and forward switching scheme capability.
- Support Auto-MDIX Ports
- Auto-Negotiation for any port.
- Flow control for any port.
- Data filtering rate eliminates all error packets, runts, etc., per port at wire-speed for 100Mbps speed.
- Data filtering rate eliminates all error packets, runts, etc., per port at wire-speed for 10Mbps speed.

## 3. Packaging Contents

This chapter provides unpacking and setup information for the Switches.

### Unpacking

Open the box of the Switch and carefully unpack the contents. The box should contain the following items:



If any item is found missing or damaged, please contact your local reseller for replacement.

# 4. Identifying External Components

## Front Panel

The figure below shows the front panels of the switch.

TE100-S55Eplus



TE100-S88Eplus



### **PWR (Power Indicator)**

This indicator lights green when the hub is receiving power. It is off for no power.

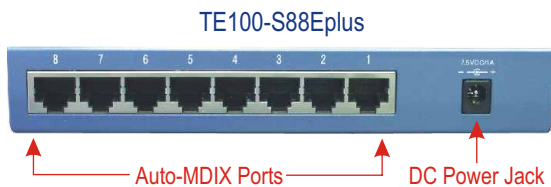
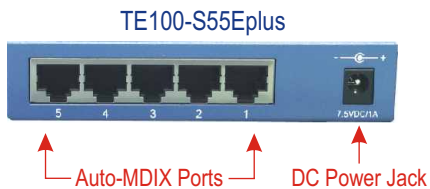
### **LINK/ACT (Link / Activity) (green)**

This indicator lights green when the port is connected to a Fast Ethernet or Ethernet device. The indicator blinks green when there is activity on the port.

### **100Mbps**

This indicator lights green when the port is connected to an active 100Mbps Fast Ethernet device. This LED is off when the connection is 10Mbps or there is no connection to the port.

## Rear Panel



## 5. Connecting The Switch

### PC to Switch

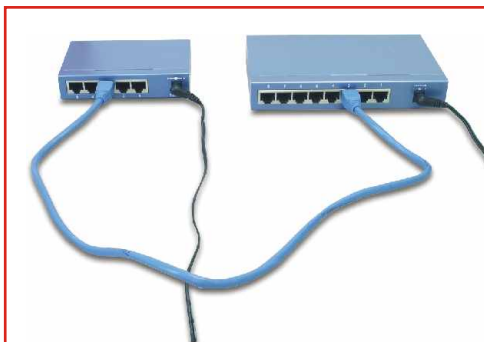
You can connect a PC to the Switch via a two-pair Category 3, 4, 5 UTP/STP cable (use Category 5 for 100Mbps connection). You can connect the PC (equipped with a RJ-45 10/100Mbps Fast Ethernet adapter) to any of the ports. When connecting PC to the Switch, the Switch's Port LED indicator will light according to the network adapter's connection speed. If the port LED indicator does not light after making a proper connection, check the PC network card, the cable, and the Switch's functionality.





## Switch to switch (or other devices)

You can connect switch(s) or other Ethernet device(s) (10BASE-T or 100BASE-TX) to this Switch via a two-pair Category 3, 4, 5 UTP/STP cable (use Category 5 for 100Mbps connection). The connection is accomplished from any RJ-45 port on the device to any RJ-45 port on the Switch. After connecting the hub to the Switch, the Switch's Port LED indicator will light according to the hub's connection speed. If the port LED indicator does not light after making a proper connection, check the device, the cable, and the Switch's functionality. Each port on the Switch has auto-MDI function; you can make the connection using crossover or straight through cable with uplink port or regular port from the device.



## 6. Specifications

General	
Standards	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet
Protocol	CSMA/CD
Data Transfer Rate	Ethernet: 10Mbps (half duplex), 20Mbps (full-duplex) Fast Ethernet: 100Mbps (half duplex), 200Mbps (full- duplex)
Topology	Star
Network Cables	10BASE-T: 2-pair UTP Cat. 3,4,5 (100 m), EIA/TIA- 568 100-ohm STP (100 m) 100BASE-TX: 2-pair UTP Cat. 5 (100 m), EIA/TIA-568 100-ohm STP (100 m)
Number of Ports	5 x 10/100Mbps Auto-Negotiation, Auto-MDIX ports 8 x 10/100Mbps Auto-Negotiation, Auto-MDIX ports

Physical and Environmental	
DC inputs	DC 7.5V 1A
Power Consumption	7.5 watts. (Max.)
Temperature	Operating: 0 ~ 50 C, Storage: -10 ~ 70 C
Humidity	Operating: 10% ~ 90%, Storage: 5% ~ 90%
Dimensions (W x H x D)	116 x 70 x 25 mm (TE100-S55Eplus) 171 x 98 x 29 mm (TE100-S88Eplus)
EMI	FCC Class B, CE Mark B, VCCI-II

## Performance

<b>Transmission Method</b>	Store-and-forward
<b>Packet Filtering/ Forwarding Rate</b>	10Mbps Ethernet: 14,880pps 100Mbps Fast Ethernet: 148,800pps
<b>RAM Buffer</b>	128KBytes per device (TE100-S55Eplus) 256Kbytes per device (TE100-S88Eplus)
<b>Filtering Address Table</b>	4K entries per device (TE100-S55Eplus) 8K entries per device (TE100-S88Eplus)
<b>MAC Address Learning</b>	Automatic update

## **FCC Warning**

This equipment has been tested and found to comply with the regulations for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with this user's guide, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

## **CE Mark Warning**

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

## **VCCI Mark Warning**

### **注意**

この装置は、情報処理装置等電波障害自主規制協議会 (VCCI) の基準に基づく第一種情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

### **Contact Technical Support**

Telephone: +1-310-626-6252  
Fax: +1-310-626-6267  
Website: [www.TRENDNET.com](http://www.TRENDNET.com)  
E-mail: [support@trendware.com](mailto:support@trendware.com)

### **Technical Support Hours**

7:00AM ~ 6:00PM, Monday through Friday  
Pacific Standard Time (except holidays)



TRENDware, USA

**What's Next in Networking**

## **Product Warranty Registration**

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

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3135 Kashiwa Street  
Torrance, CA 90505

**<http://www.TRENDNET.com>**