

TE100-S16/TE100-S24/TE100-S32+

**16/24/32-Port 10/100Mbps Fast Ethernet Switch
User's Guide**

**Le Guide de l'utilisateur du
Commutateur Fast Ethernet 10/100 Mbps à 16/24/32 ports**

**Benutzeranleitung des
16/24/32-Port 10/100 MBit/s Fast-Ethernet-Switch**

**Guía del Usuario
16/24/32 Puertos 10/100 Mbps Conmutador Fast Ethernet**

**16/24/32-портовый коммутатор 10/100 Мбит/с для сети Fast Ethernet
Руководство пользователя**

Version 10.29.04



TRENDnet[®]
TRENDAware, USA
What's Next in Networking

Table of Contents

English	1
1. Unpacking and Installation	1
2. Identifying External Components	4
3. Technical Specification	6

English UG

1. Unpacking and Installation

This chapter provides unpacking and setup information for the Switch.

Unpacking

Open the shipping carton of the Switch and carefully unpack its contents. The carton should contain the following items:



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

Installation

The site where you install the Switch stack may greatly affect its performance. When installing, consider the following pointers:

1. Install the Switch in a fairly cool and dry place. See Specifications for the acceptable temperature and humidity operating ranges.
2. Install the Switch in a site free from strong electromagnetic field generators (such as motors), vibration, dust, and direct exposure to sunlight.
3. Leave at least 10cm of space on the left and right hand side of the Switch for ventilation.
4. Install the Switch on a sturdy, leveled surface that can support its weight, or in an EIA standard-size equipment rack. For information on rack installation, see the next section, Rack Mounting.
5. When installing the Switch on a level surface, attach the rubber feet on the corners at the bottom of the Switch. The rubber feet cushion the Switch and protect the Switch case from scratching.

Rack Mounting

The Switch can be mounted in an EIA standard-size, 19-inch rack, which can be placed in a wiring closet with other equipment. Attach the mounting brackets at the Switch's front panel (one on each side), and secure them with the provided screws.



Then, use screws provided with the equipment rack to mount the Switch on the rack.

2. Identifying External Components

The figure below shows the front panels of the switch.

Front Panel

This section identifies all the major external components of the switch.

TE100-S16
16-port 10/100Mbps Fast Ethernet Switch



TE100-S24
24-port 10/100Mbps Fast Ethernet Switch



TE100-S32+
32-port 10/100Mbps Fast Ethernet Switch



PWR (Power Indicator)

This indicator lights green when the switch is receiving power. This LED is off indicating no power.

LINK/ACT (Link / Activity) (green)

This indicator lights green when the port establishes a valid 10Mbps or 100Mbps connection. It blinks green when the port is transmitting or receiving data on the network. This LED is off when there is no connection on this port

100Mbps (green)

This LED indicator light green when the port establishes a valid 100Mbps Fast Ethernet connection. The LED is off when the connection is 10Mbps or there is no connection.

Twisted-Pair Ports

These ports support automatic MDI-II/MDI-X crossover detection, giving the switch true “plug-and-play” capability without the need of confusing crossover cables or crossover uplink ports.

With the Auto-MDI function, you just need to connect the network cable to the Switch; it does not matter if the end node is NIC (Network Interface Card) or other Ethernet port.

Rear Panel



Connect the power cord's female end to this connector. Please note that there is no Power On/Off switch on this Switch. When the power cord is connected to the Switch with the correct power source, the Switch is powered on.

3. Technical Specification

GENERAL	
Standards:	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet
Protocol:	CSMA/CD
Data Transfer Rate:	<u>Ethernet</u> : 10Mbps (half duplex), 20Mbps (full-duplex) <u>Fast Ethernet</u> : 100Mbps (half duplex), 200Mbps (full- duplex)
Topology:	Star
Network Cables:	<u>10BASE-T</u> : 2-pair UTP Cat. 3,4,5, EIA/TIA- 568 100-ohm STP <u>100BASE-TX</u> : 2-pair UTP Cat. 5, EIA/TIA-568 100-ohm STP <u>100BASE-FX</u> : 62.5/125 micron multimode fiber optic
Number of Ports:	16 x 10/100Mbps Auto-MDIX ports or 24 x 10/100Mbps Auto-MDIX ports or 32 x 10/100Mbps Auto-MDIX ports
Expansion Slot:	One expansion slot for 100BASE-FX TE100-S32+

PHYSICAL AND ENVIRONMENTAL

AC inputs:	100 to 240 VAC, 50 or 60 Hz internal universal power supply
Power Consumption:	6 watts. (max.) TE100-S16 10 watts. (max) TE100-S24 40 watts. (max) TE100-S32+
Temperature:	Operating: 0 ~ 40 C, Storage: -10 ~ 70 C
Humidity:	Operating: 10% ~ 90%, Storage: 5% ~ 90%
Dimensions:	440 x 140 x 44 mm (W x H x D) 440 x 200 x 44 mm (W x H x D) TE100-S32+
EMI:	FCC Class A, CE Mark Class A, VCCI Class A
Safety :	CUL, CB

PERFORMANCE

Transmits Method:	Store-and-forward
RAM Buffer:	512KBytes per device TE100-S16 2.5Mbytes per device TE100-S24 1.0Mbytes per device TE100-S32+
Filtering Address Table:	8K entries per device 4K entries per device TE-100-S32+
Packet Filtering/ Forwarding Rate:	10Mbps Ethernet: 14,880/pps 100Mbps Fast Ethernet: 148,800/pps
MAC Address Learning:	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
E-mail: support@trendware.com

Technical Support Hours

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

TRENDnet[®]

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>

TRENDware International, Inc.
3135 Kashiwa Street
Torrance, CA 90505

<http://www.TRENDNET.com>