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1. Introduction

S105/S108 Ethernet Switch, a mini desktop switch, is designed for SOHO, student dormitory and small enterprise users. It has 5/8 10/100Mbps Auto-negotiation Ethernet ports, supports auto MDI/MDIX and store-and-forward function to make sure the packet to be sent each port effectively. "Plug and play" function helps you set up easily. In addition, it also supports MAC address auto-learning and aging. Moreover, it integrates 2K(S105)/1K(S108) MAC address table. Its easy setup and no network management will benefit you a lot. Exquisite and high-stable, it is your best choice to share the Internet.

1.1 Switch Features

- Complies with the IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX Fast Ethernet standards.
- Supports NWAY auto-negotiation function, auto-detect transfer data rate, Half/Full-duplex.

- Provides 5/8 10/100Mbps Auto-sensing RJ45 ports and supports Auto MDI/MDIX.
- Supports IEEE802.3x flow control for Full-duplex, and Backpressure flow control for Half-duplex.
- Supports non-blocking line speed forwarding.
- Supports store-and-forward switching method.
- Supports MAC address auto-learning/aging function and integrates 2K(S105)/1K(S108)MAC address table.

1.2 Package Contents

Please check the articles carefully after you open the packing as below:

- One 5/8-Port Fast Ethernet Switch
- One Power Adapter
- One User Guide

If any of the listed items are missing or damaged, please contact the reseller from whom you purchased for replacement.

1.3 Front Panel and Rear Panel Specifications

The front panel of 5/8 Port Fast Ethernet Switch includes Link/Act indicators and one power indicator. Please refer

to the detailed description of these indicators in *LED Indicator Specifications*

The Rear Panel of the Switch includes 5/8 10/100Mbps RJ45 ports and one AC power port used for AC power input is located in the side panel of the Switch.

Notice: *Please use the delivery-attached power supply. If not, the Switch may be damaged.*

1.4 LED Indicator Specifications

The LED indicators of the Switch include Power and Link/Act. You can see their operating situation through these LED indicators.

The following chart shows the LED indicators of the Switch along with explanation of each indicator.

LED	Color	Status	Description
Power	Green	ON	This indicator lights when the Switch powers on.

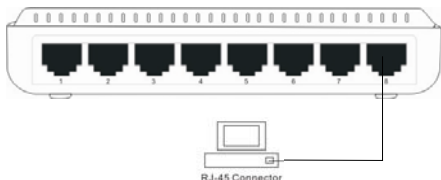|		OFF	If this indicator is not lighting, please check the AC power connector to ensure the correct connection of the power adapter.
Link/Act	Green	ON	The other devices connect to the port of the Switch.
	Green	Blinking	The port is transmit- ting or receiving data packets.

2. Installation

2.1 Before Connecting to the Network

Before connecting the S105/S108 to the network, please pay attention to the following instructions:

➢ Don't put heavy articles on the Switch.

➢ Power sockets and equipments should be within 1.5 meters of the Switch.

➢ Check power supply to confirm the safe connection.

➢ Make sure there's adequate space for proper heat dissipation and adequate ventilation around the Switch.
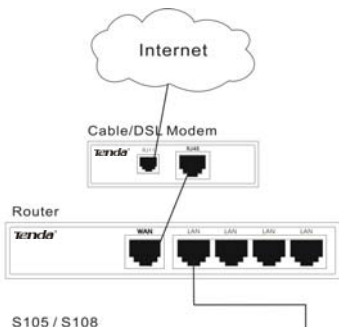
2.2 Connecting to End Nodes

Use standard Ethernet cable to connect the Switch to end nodes as described below. Switch ports will automatically adjust to the characteristics (MDI-II/MDI-X, speed, duplex) of the device to which is connected.

Switch connecting to an end node

Please refer to the *LED Indicator Specifications*. The Link/Act LEDs for each port lights green when the link is available.

2.3 Switch to Router or Switch

Connecting to another router or switch

Please refer to the *LED Indicator Specifications*. The Link/Act LEDs for each port lights green when the link is available.

3. Product Specification

Standards	IEEE802.3 10Base-T Ethernet IEEE802.3u 100 Base-TX Fast Ethernet
Protocol	CSMA/CD
Topology	Star
Network Cables	10 Base -T: Cat.3 UTP or above 100 Base -TX: Cat.5 UTP /STP
Speed	10/100Mbps

Transmission Method	Fast store-and-forward
MAC Address Table	2K(S105)/1K(S108)
Packet Filtering/ Forwarding Rate	14880pps(10Mbps)per port
	148800pps(100Mbps)per port
MAC Address Learning	Self-learning, auto-aging.
Backplane Bandwidth	1Gbps(S105)/ 1.6Gbps(S108)
Power	External universal power supply
AC INPUT	AC 9V 600mA
Power Consumption	2.7W(S105)/4.2W(S108)
Operating Temperature	0℃-40℃
Storage Temperature	-40℃-70℃
Working Humidity	10% ~ 90% RH (no condensing)
Storage Humidity	5% ~ 95% RH (no condensing)