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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 DC power port used for DC 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 DC 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 transmitting or receiving data packets.

2. Installation

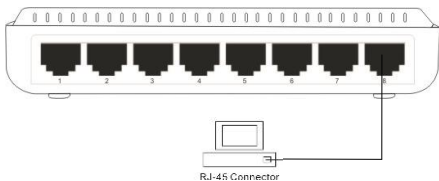
2.1 Before Connecting to the Network

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

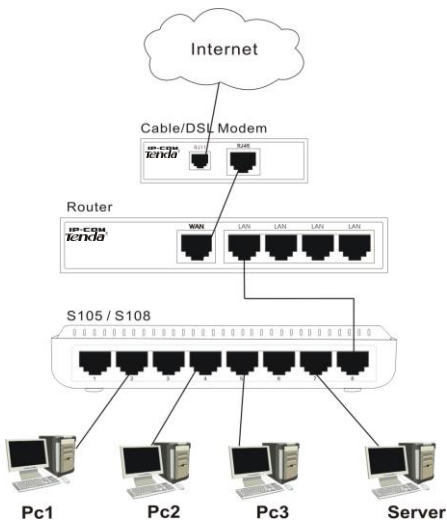
Use standard Ethernet cable to connect the Switch to end nodes as described below. Switch ports will automatically adjust to the characteristics (MDI-II/MDI-X, speed, duplex) of the device to which is connected.



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
DC INPUT	DC 5V 600mA
Power Consumption	2.7W(S105)/4.2W(S108)
Operating Temperature	0°C-40°C
Storage Temperature	-40°C-70°C
Working Humidity	10%~90% RH (no condensing)
Storage Humidity	5%~95% RH (no condensing)

FCC Statement

This equipment has been tested and found to comply with the limits 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 in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

If you still have some problems, please contact our customer service

- **Technical Support**
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