Table of Contents

Packing List

Please inspect the contents and report any apparent damage or missing items immediately to our authorized reseller.

* The switch
* User's manual
* One AC power cord

FCC Statement

The FCC (Federal Communications Commission) restricts the amount of radio frequency emission and radiation coming from computer equipment. The Ethernet switch stated in this manual has been tested and found to comply with the limits for a Class A 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 the instruction manual, 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 is required to correct the interference at his/her own expense. Any changes or modifications not expressly approved by the manufacture would void the user's authority to operate the equipment.

Introduction

The switch is a 5/8-port Fast Ethernet switch, integrating 10/100Base-TX (100Base-FX) networks in a cost-effective compact size package. The TX ports can auto sense speed and half/full duplex modes and auto-MDIX.

Product Features

- 5 or 8-port for 10/100Base-TX.
- 4 or 7-port for 10/100Base-TX and 1-port for 100Base-FX.
- The TX ports auto negotiate for 10/100Mbps speed, auto detect full/half duplex mode, and auto-MDIX.
- Choices of SC, ST, MT-RJ, VF-45, or LC connectors for FX ports.
- Broadcast storming filter function.
- True non-blocking architecture.
- Full wire-speed forwarding rate.
- Store-and-forward mechanism.
- Back pressure and IEEE802.3x compliant flow control.
- Supports 2048 MAC addresses.
- Supports 1M bits buffer memory.
- Front panel power and port status LEDs.
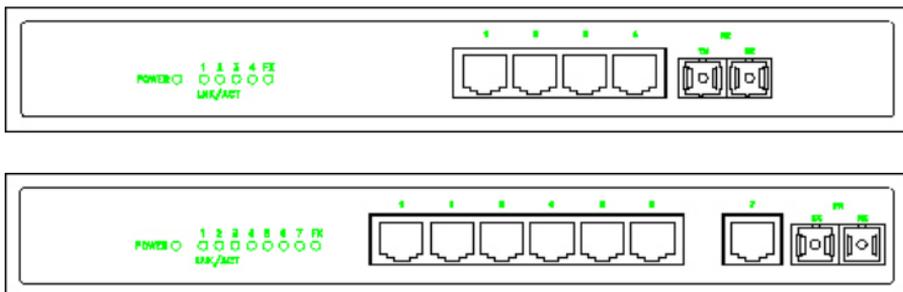- Compact size.

Front Panel

The front panel of the switch has five or eight ports and an array of LED indicators to provide you with instant feedback on the status of the switch.

LEDs

The array of LED indicators on the front panel conveys status and configuration information to help you monitor and troubleshoot the switch.

Figure 1: Front & rear panels

❶ **Power** This LED comes on when the switch is connected to the power.

❷ **Port Status** Each port has a LED, indicating the port status.

❸ **Power Adapter** Connect the supplied AC power cord to the receptacle on the back of the switch, then plug the cord into a standard AC outlet with a voltage range from 100 to 240 VAC.

Table 1: Port Status

LED	State	Indication
LNK/ ACT	Steady	The port has established a valid network connection. LNK stands for LINK.
	Flashing	The port is transmitting or receiving data. ACT stands for ACTIVITY.

Installation

Selecting a Site for the Switch

As with any electronic device, you should place the switch where it will not be subject to extreme temperatures, humidity, or electromagnetic interference. Specifically, the site you select should meet the following requirements:

- The ambient temperature should be between 32 and 113 degrees Fahrenheit (0 to 45 degrees Celsius).

- The relative humidity should be less than 95 percent, non-condensing.

- Surrounding electrical devices should not exceed the electromagnetic field (RFC) standards for IEC 801-3, Level 2 (3V/M) field strength.

- Make sure that the switch receives adequate ventilation. Do not block the ventilation holes on the side of the switch or the fan exhaust port on the rear of the switch.

- The power outlet should be within 1.8meter (6 feet) of the switch.

Connecting to Your Network

Connect network cables from computers or network segments to the TX (FX) ports on the back of the unit.

Table 2: Cabling Information

Speed	Connector	Port Speed Half/Full Duplex	Cable
100Base-TX	RJ-45	100/200 Mbps	100 m, Category 5 STP/UTP
10Base-T	RJ-45	10/20 Mbps	100 m, Category 3, 4, or 5 STP/UTP
100Base-FX Multi-mode	SC, ST, MT-RJ, VF-45, or LC	100/200 Mbps	Up to 2km, 50 or 62.5/125μm Multi-mode fiber cable
100Base-FX Single-mode	SC	100/200 Mbps	Up to 75km, 9 or 10/125μm Single-mode fiber cable

Specifications

Applicable Standards	IEEE 802.3, 10Base-T,
	IEEE 802.3u, 100Base-TX/FX
LED Indicators	Per unit – Power Status
	Per Port – LNK/ACT
Cable	10Base-T 2-pair UTP/STP Cat. 3,4,5, up to 100m
	100Base-TX 2-pair UTP/STP Cat.5, up to 100m
	100Base-FX 50 or 62.5/125μm Multi-mode fiber optic cable, up to 2km
	100Base-FX 9 or 10/125μm Single-mode fiber optic cable, up to 75km
Switching Methods	Store-and-Forward
Forwarding Rate	14,880pps for 10Mbps
	148,810pps for 100Mbps
AC Input	100~240VAC, 50-60Hz
Power consumption	3.22W Max.
Operating Temperature	0℃~45℃ (32℉~113℉)
Storage Temperature	-10℃~70℃ (14℉~158℉)
Humidity	5%~95%, non-condensing
Emissions	FCC Part 15 Class A, CE Mark Class A
Dimensions	252mm (W) x 134.3mm (D) x 35mm (H)
	(9.92" (W) x 5.28" (D) x 1.38" (H))
	compact size
Weight	1.6Kg (3.52lbs.)

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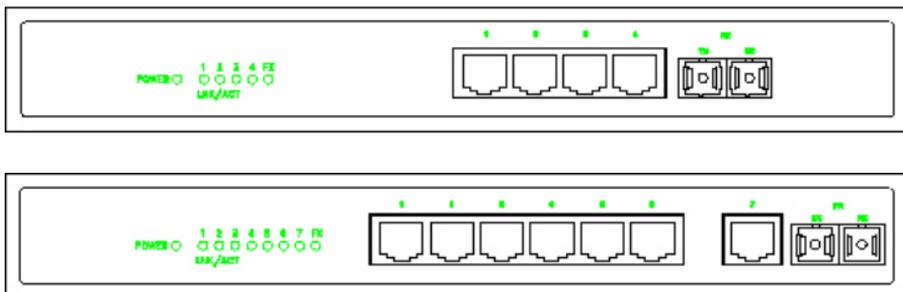- Compact size.

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