

16-Port Fast Ethernet 10/100Mbps N-Way Switch

User's Guide

FCC REGULATORY STATEMENTS

Part15, Class A

This equipment 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 accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

INTRODUCTION

The Fast Ethernet 10/100Mbps N-Way Switch provides you a flexible, reliable, and affordable solution of the Ethernet network. It comes with sixteen independent 10BASE-T/100BASE-TX ports. Each port delivers up to 200Mbps throughput, and is able to operate in either half or full-duplex modes.

The Fast Ethernet 10/100Mbps N-Way Switch also processes a N-Way auto-negotiation function, which automatically adjusts the device for optimum operation; “Store-and-Forward” architecture filters to eliminate error packets and improve efficiency, and MDI/MDIX auto crossover technology provides for detecting a plugged straight through or crossover Ethernet cable automatically. Plus, the built-in 4M bits DRAM is smaller than the SRAM in dimension and features very low power consumption. Moreover, the built-in Universal Power Supply allows you to install the Switch easily without the external power adapter.

Key Features & Specification

- ✍✍ Compliant with IEEE 802.3 10Base-T and IEEE 802.3u 100Base-TX standards
- ✍✍ Supports store-and-forward
- ✍✍ 10/100Mbps port auto-detect on Full or Half Duplex mode
- ✍✍ IEEE 802.3x or Back Pressure (HDX) Flow Control
- ✍✍ Each Ethernet port supports MDI/MDIX auto crossover capacity

- ✂✂ 16 (Sixteen) 10/100Mbps Auto-Detection ports
- ✂✂ Provides non-blocking and Head-of-line blocking prevention
- ✂✂ Embedded 8K entries of look-up table and 128 entries of CAM
- ✂✂ **4M bits DRAM** is built in as package storage buffer. Page based buffer management to efficiently utilize the internal packet buffer.
- ✂✂ Broadcast storm filtering control
- ✂✂ Dimension (WxDxH):
225 x 126.8 x 44 (mm)
- ✂✂ 16 x RJ45 STP/UTP network ports on front panel
- ✂✂ Emission Certification: FCC/CE Class A
- ✂✂ Operating Environment:
Temperature: 0 ~ 40°C; Humidity: 5 ~ 90 % RH
- ✂✂ Built in Universal Power Supply: 90 ~ 264V

Package contents:

- ✂✂ One 16-Port 10/100Mbps Fast Ethernet N-Way Switch
- ✂✂ One power cord
- ✂✂ Four rubber pads
- ✂✂ One set of accessory kit
- ✂✂ Two holders
- ✂✂ This User's Guide

PARTS NAMES AND FUNCTIONS

Front Panel LED Indications



LED	Status	Description
POWER	ON	Power On
L/A	ON	A valid connection
	Blinks	Receives packets
SPD	ON	Connects to a 100Mbps Fast Ethernet connection
	OFF	Connects to a 10Mbps Ethernet connection
FDX	ON	FDX connection
	OFF	HDX connection
	Blink	Collision upon HDX mode

Ethernet Ports (1-16)

Ethernet Ports with MDI/MDIX auto crossover capacity.



Power Port

Connect to the External power cord.

HARDWARE INSTALLATION

Hub installation

The hub is considered as a “plug and play” network device and requires no special setup except for plugging the appropriate power cord and cables.

1. Put the hub on the appropriate location.
When you install the hub, there are two things needed to be considered:

Location: Your hub should be located in a place that is central to your home/office space and allows all computers and networked devices connected to your hub.

Power: Remember to locate your hub near electrical outlet.

2. Power on the hub by connecting the power cord.
3. Verify if the power (POWER) LED is on. If the POWER LED does not light up, check the power cord and power outlet to verify its connection. If it still remains unlit, please contact your dealer for support.

Ethernet Port Connection

Connect user machines, servers, another switch, hub, or any other devices to the Ethernet ports on this hub with either straight through or crossover Ethernet cables.