24-Port Fast Ethernet Switch

Quick Installation Guide

FCC REGULATORY STATEMENTS

FCC Certification, 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 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 will be required to correct the interference at his own expense.

CE Mark Warning

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures

INTRODUCTION

The 24-Port Fast Ethernet 10/100Mbps N-Way Switch provides you a flexible, reliable, and affordable solution for an Ethernet network. It comes with twenty-four 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 24-Port Fast Ethernet 10/100Mbps N-Way Switch also possesses a N-Way auto-negotiation function, which automatically adjusts the device for optimum operation. "Store-and-Forward" architecture filters eliminate error packets and improve efficiency. Plus, based on Auto-MDI/MDIX technology, you are able to use either a straight through or a crossover Ethernet cable to connect with other devices. Moreover, the built-in Universal Power Supply allows you to install the switch easily without any external power adapter.

Key Features

Complies with IEEE 802.3 10Base-T and IEEE 802.3u 100Base-TX standards

Supports twenty four 10M/100M auto-detect Half/Full duplex switch ports

Supports 802.3x Flow Control pause packet for Full Duplex in case buffer is full

Supports Back Pressure function for Half Duplex operation in case buffer is full

All ports support Auto-negotiation

Supports source/ destination MAC address lookup and aging with 8K MAC address (4K entries each entry table)
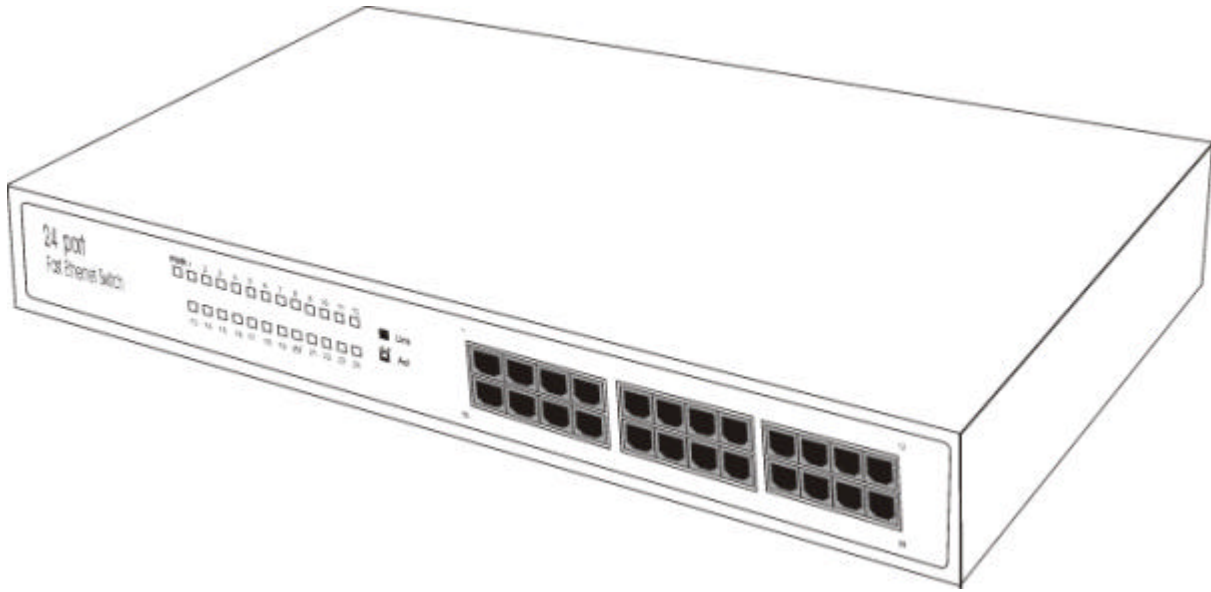
Store-and-Forward switching operation

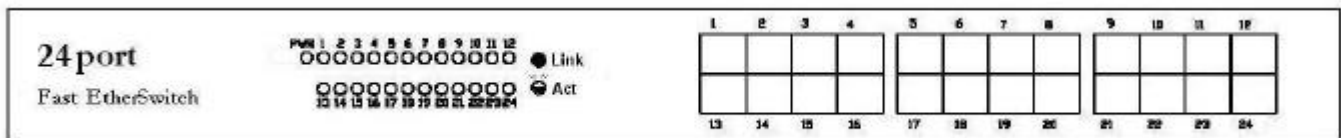No-head-of-line blocking system support

Broadcast storm prevention

Built in Universal Power Supply: 90~264V

Emission certification: FCC Class A, CE mark

PARTS NAMES AND FUNCTIONS

Front Panel: LED Indicators

LED	Color	Status	
		Solid	Flashing
Power	Green	Becomes solid green when power is turned on.	N/A
LINK/ACT	Green	Successful connection	Sending or Receiving packets

Rear Panel: Power Port

AC 90~264V

HARDWARE INSTALLATION

The switch is considered as a "plug and play" network device and requires no special setup procedures. Connect the power cord and cables correctly and you are ready to go.

Switch installation

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

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

    • **Power:** Remember to locate your switch near electrical outlet.

2. Power on the switch 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 switch with either straight through or crossover Ethernet cables.

SPECIFICATION

Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE802.3x Flow Control
Protocol	CSMA/CD
Ports	Twenty four 10/100Mbps RJ-45 Ports (support Auto-MDI/MDIX)
Switching Scheme	Store-and-Forward
Flow control	Full Duplex: IEEE802.3x Half Duplex: Back Pressure
Cabling type	UTP Category 3 or better (10Base-T) UTP Category 5 or better (100Base-TX)
MAC Address	8K
LED indicators	Power Green Link/Act Green: on for successful connection, flashing for activity
Physical Dimension	438 x 184 x 44mm^3 (Width x Depth x Height)
Weight	1.9 kg
Input power specifications	AC 90~264V, 50~60Hz
Power Consumption	5.3 W
Agency and Regulatory	FCC Class A, CE mark
Operating Temperature	0°C to 40°C
Operating Humidity	5~90% non-condensing