

GB



**8-PORT FAST ETHERNET
BLACK RAPID™ 100 SWITCH**



User Manual
(DN-50021)

Table of Contents

Chapter 1 Introduction	2
1.1 Features	2
1.2 Environments	2
1.3 Package	3
Chapter 2 Installation	3
2.1 Front Panel LEDs	3
2.2 Back Panel and Side Panel Features	3
2.3 Connecting Network Devices	3

Chapter 1 Introduction

Congratulations on your purchase of this 10/100Mbps switch. Instructions for installing and configuring this product can be found in this manual. Before you install and use this product, please read this manual carefully for full exploiting the functions of this product.

The 10/100Mbps switch is the perfect way of integrating 10Mbps Ethernet and 100Mbps Fast Ethernet devices. All eight ports are auto speed negotiating, and have automatic MDI/MDI-X crossover detection, so you don't have to worry about the cable type. Each port independently negotiates for best speed and half- or full-duplex mode, for up to 200Mbps of bandwidth per port. Fast store-and-forward switching prevents damaged packets from being passed on into the network.

1.1 Features

- Eight 10/100BASE-T Ethernet Ports
- Support Auto-Negotiation for 10/100Mbps
- Support Auto-MDI/MDIX for each port
- Support Full/Half duplex transfer mode for 10/100Mbps
- Complies with IEEE 802.3、IEEE 802.3u
- Perform forwarding and filtering at non-blocking, full-wire speed
- Built-in high-efficiency SRAM for packet buffer and 1K-entry look-up table
- Supports IEEE 802.3x for full-duplex flow control and back pressure for half-duplex flow control
- Support packet lengths up to 1536 bytes
- Support Store-and-Forward switching method
- Support Broadcast Storm Filtering Control

1.2 Environments

- Storage Temperature: -40oC ~70oC
- Operating Temperature : 0oC ~40oC
- Storage Humidity: 5% ~90% RH Non-condensing
- Operating Humidity: 10% ~90% RH Non-condensing

1.3 Package

- One 10/100Mbps switch
- One Manual
- One Power Adapter

Chapter 2 Installation

2.1 Front Panel LEDs

Power LED

This red indicator illuminates when the Switch is receiving power.

Link/Act (1- 8)

This blue indicator illuminates steadily when a port is connected to a station successfully, If this blue indicator is blinking, it indicates that a port is transmitting or receiving data on the network.

2.2 Back Panel and Side Panel Features

This network ports are located on the back panel of the switch. The Power port is located on the side of the switch.

1- 8

These ports are connection points for PCs and other network devices, such as additional switches.

Power

The power port is where you will connect the included power adapter.

2.3 Connecting Network Devices

To connect network devices to the Switch, follow these instructions.

1. Make sure all the devices you will connect to the Switch are powered off .
2. Connect a Category 5 Ethernet network cable to one of the numbered ports on the Switch.
3. Connect the other end to a PC or other network devices.
4. Repeat steps 2 and 3 to connect additional devices.
5. Connect the supplied power adapter to the power port on the Switch's back panel.

Note: Make sure you use the power adapter included with the Switch. Using a different power adapter may result in damage to the Switch.

6. Plug the other end of the adapter into an electrical outlet.
7. Power on the devices connected to the Switch. Each active port's corresponding LED will light up on the Switch.