Package Contents

8-Port Switch
8 CAT5e RJ45 Patch Cords
User's Guide
Power cord

8TP Auto MDI/MDI-X Switch

8 – CAT 5e RJ45 Patch Cords, 12 in.

Power Cord

User's Guide

Figure 1-2. Package Contents

Compare the contents of your 8-Port switch with the standard checklist above. If any item is missing or damaged, please contact your local dealer for service.

2. Hardware Description

This section mainly describes the hardware of the 8-Port switch.

The physical dimensions of the 8-Port switch are: 164mm(W) X 100mm(D) x 26mm(H)

Top view

The LED indicators are located on the top-view of the switch. They provide a real-time indication of systematic operation status. The top-view of the 8-Port switch is displayed in the following figure.

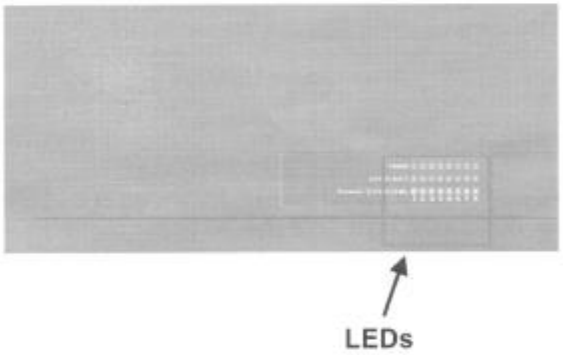

Figure 2-2. The Top view of the 8-Port Switch

LED Indicators

The following table provides descriptions of the LED statuses and their meaning.

LED	Status	Color	Description
Power	On	Green	The power of the switch is on.
LNK / ACT	On	Green	The port is successfully connecting with the device.
	Blinks	Green	The port is receiving or transmitting data.
	Off		No device attached.
FD / COL	On	Yellow	Full Duplex Mode
	Blink		Collision Mode
100M	On	Green	Link on 100Mbps

Rear Panel

The rear panel of the 8-Port switch consists of 8 - 10/100 N-Way UTP switch ports, and one DC power connector.

Figure 2-4. The Rear Panel of the 8-Port Switch

RJ-45 Ports: 8 - 10/100 N-Way auto-sensing for 10Base-T or 100Base-TX connection.

Auto MDI/MDI-X: It can detect the cable straight connect NIC or cascade to a hub or switch without changing the connector, the maximum distance between the switch and another device is 100 meters.

3. Network Application

This section provides you a few examples of network topology in which the 8-Port switch can be used. The switch is designed to be used as a desktop or segment switch.

The switch automatically learns node addresses, which are subsequently used to filter and forward all traffic based on the destination address.

Stand Alone

The 8-Port switch is designed to be a compact switch, which is an ideal solution for a home or small workgroup. The switch can be used as a standalone switch to which personal computers, servers, and printer servers are directly connected to form small workgroups.

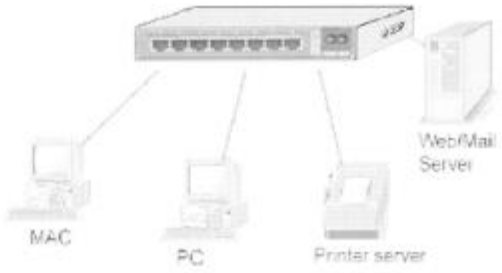

Figure 3-1. Stand Alone Application

Enlarge Your Network

You can use the Uplink port of the 8-Port switch to connect with another hub or switch to interconnect each of your small-switched workgroups to form a large switched network.

You can connect any one switch port to a hub or switch without a crossover cable by the use of the Auto MDI/MDI-X function.

In the below illustration, two switches are used to interconnect two small workgroups. All the devices in this network can communicate with each other. Connecting a server to the switch allows other users to access the server's data.

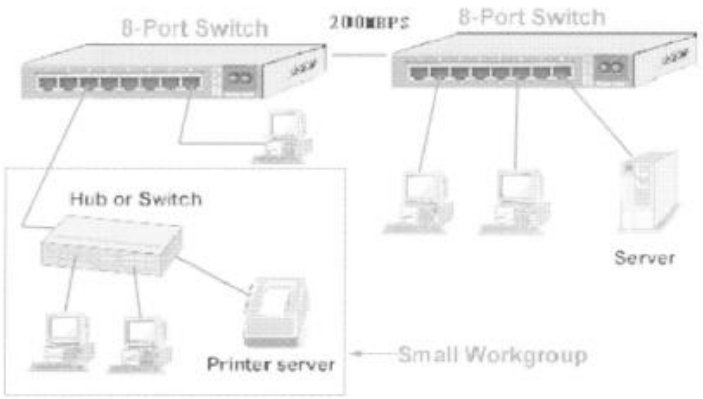

Figure 3-2. Example of enlarging your network

Typical Use in the SOHO Access Enclosure

The Suttle SOHO Access Enclosure is the central distribution device where incoming voice, data, and video are re-distributed throughout the home. The switch/hub/router is required to distribute the data to outlets through the home. Below shows the typical application of a switch being fed by a DSL modem deployed within the SOHO Access Enclosure.

SOHO Access Enclosure & Module