Cisco SF352-08P

Cisco SF352-08P Managed Switch User Manual

Model: SF352-08P

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Cisco SF352-08P Managed Switch. This 8-port 10/100 PoE Managed Switch with 2 Gigabit Ethernet (GbE) Combo SFP uplinks is designed to provide robust performance and intelligent switching capabilities for small to medium-sized business networks.

2. PACKAGE CONTENTS

Verify that your package contains all the following items:

- Cisco SF352-08P Switch
- Power Cord
- Rack-Mount Kit
- Rubber Feet (for desktop placement)
- DB-9 to RJ45 Serial Cable (Console Cable)
- Pointer Card with China RoHS
- Technical Support Contacts
- Quick Start Guide

3. PRODUCT OVERVIEW

3.1 Front Panel

This image displays the front panel of the Cisco SF352-08P Managed Switch. From left to right, it features a USB port, System and Reset buttons, eight 10/100 PoE Ethernet ports with corresponding Link/Act and PoE status LEDs, and two Gigabit Ethernet (GbE) combo SFP ports (G1 and G2) with their own Link/Act LEDs. The model number 'SF352-08P 8-Port 10/100 PoE Managed Switch' is printed below the ports.

The front panel of the SF352-08P switch provides access to network ports, status indicators, and management interfaces.

- **USB Port:** Used for firmware upgrades or configuration backup/restore.
- **System LED:** Indicates the overall status of the switch.
- **Reset Button:** Used to reset the switch or restore factory default settings.
- **8 x 10/100 PoE Ports:** RJ-45 ports for connecting network devices, supporting Power over Ethernet (PoE). Each port has Link/Act and PoE status LEDs.
- **2 x Gigabit Combo SFP Ports (G1, G2):** These ports can function as either RJ-45 Gigabit Ethernet ports or SFP (Small Form-Factor Pluggable) fiber optic ports. Each has a Link/Act LED.

4. SETUP

4.1 Physical Installation

The SF352-08P switch can be installed on a desktop or mounted in a standard 19-inch equipment rack.

- **Desktop Installation:** Attach the included rubber feet to the bottom of the switch to prevent scratching surfaces and ensure stability. Place the switch on a flat, stable surface with adequate ventilation.
- **Rack-Mount Installation:** Use the provided rack-mount kit to secure the switch in a standard 19-inch equipment rack. Ensure proper airflow around the device.

4.2 Power Connection

Connect the provided power cord to the power input on the rear panel of the switch and then to a grounded electrical outlet. The System LED on the front panel will illuminate when power is supplied.

4.3 Network Connection

Connect your network devices (computers, servers, IP phones, access points) to the 10/100 PoE ports using standard Ethernet cables. For higher bandwidth connections or fiber optic links, use the Gigabit Combo SFP ports.

4.4 Initial Configuration Access

The switch can be configured via a web-based Graphical User Interface (GUI) or a Command Line Interface (CLI).

- **Web GUI:** Connect a computer to any of the switch's Ethernet ports. The switch will typically obtain an IP

address via DHCP. If no DHCP server is present, it will default to 192.168.1.254. Open a web browser and enter the switch's IP address. Log in using the default credentials (refer to the Quick Start Guide for initial username/password).

- **CLI:** Use the provided DB-9 to RJ45 serial cable to connect your computer's serial port to the console port on the switch. Use a terminal emulation program (e.g., PuTTY, Tera Term) with appropriate settings (e.g., 115200 baud, 8 data bits, no parity, 1 stop bit, no flow control).

5. OPERATING THE SWITCH

5.1 Basic Network Configuration

The SF352-08P supports various Layer 2 and Layer 3 features for network management and optimization.

- **VLANs:** Create Virtual Local Area Networks to segment network traffic and improve security and performance.
- **Quality of Service (QoS):** Prioritize critical network traffic (e.g., voice, video) to ensure consistent performance.
- **Static Routing:** Configure static routes for inter-VLAN routing or to direct traffic to specific network segments.
- **Auto Smartports:** Automatically apply optimal configurations to ports based on the detected device type.

5.2 Power over Ethernet (PoE)

The 10/100 ports on the SF352-08P provide Power over Ethernet, allowing compatible devices (e.g., IP phones, wireless access points, IP cameras) to receive power and data over a single Ethernet cable. The switch has a total PoE power budget of 62W.

6. MAINTENANCE

6.1 Firmware Updates

Periodically check the Cisco support website for the latest firmware versions. Updating the firmware can provide new features, performance improvements, and security enhancements. Follow the instructions provided with the firmware download for the update process.

6.2 Resetting the Device

The reset button on the front panel can be used for two functions:

- **Soft Reset:** A brief press (less than 5 seconds) will reboot the switch without losing configuration.
- **Factory Reset:** Press and hold the reset button for more than 10 seconds to restore the switch to its factory default settings. All configurations will be lost.

7. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with the SF352-08P switch.

- **No Power:** Ensure the power cord is securely connected to the switch and a working electrical outlet. Check the System LED.
- **No Link on Port:** Verify the Ethernet cable connection at both ends. Check the Link/Act LED for the port. Ensure the connected device is powered on and functioning correctly.

- **PoE Device Not Powering On:** Check the PoE LED for the port. Ensure the connected device is PoE-compatible and that the switch's PoE budget is not exceeded.
- **Cannot Access Web GUI:** Verify your computer's IP address is in the same subnet as the switch. Try pinging the switch's IP address. Clear your browser's cache or try a different browser.
- **Slow Network Performance:** Check for network loops (ensure Spanning Tree Protocol is enabled if needed). Verify cable quality and length. Check for excessive broadcast traffic.

If issues persist, consult the comprehensive Cisco documentation available online or contact Cisco technical support.

8. SPECIFICATIONS

Feature	Specification
Model Number	SF352-08P
Ethernet Ports	8 x 10/100 Mbps PoE+
Uplink Ports	2 x Gigabit Ethernet (GbE) Combo SFP
PoE Power Budget	62 Watts
Switch Type	Managed, PoE
Interface Type	PoE, SFP
Dimensions (LxWxH)	11 x 6.69 x 1.75 inches (27.94 x 17.0 x 4.45 cm)
Item Weight	3.4 pounds (1.54 kg)
Manufacturer	Cisco
UPC	882658997433

9. WARRANTY AND SUPPORT

9.1 Limited Lifetime Warranty

The Cisco SF352-08P Managed Switch comes with a limited lifetime warranty, providing peace of mind for the product's lifespan. This typically includes next-business-day advanced replacement in eligible regions. Refer to the official Cisco warranty policy for full terms and conditions.

9.2 Technical Support

For technical assistance, product documentation, software downloads, and community forums, visit the official Cisco support website. Contact information for technical support is also provided in the package contents.