Cisco SLM248GTNA

Cisco SF200-48 48-Port 10/100 Smart Switch Instruction Manual

Model: SLM248GTNA

1. PRODUCT OVERVIEW

The Cisco SF200-48 is a 48-port 10/100 Smart Switch designed for small business networks. It provides essential network performance and reliability with basic management, security, and Quality of Service (QoS) features. This model includes two combination mini-GBIC uplink ports for flexible connectivity. The SF200-48 supports IPv6 and incorporates energy-efficient technology to optimize power consumption.

Figure 1: Front panel of the Cisco SF200-48 Smart Switch. It features 48 Fast Ethernet (10/100) ports, arranged in two rows. To the far left, 'System' and 'Reset' indicators are visible. To the far right, two combo Gigabit SFP/mini-GBIC ports are present, labeled G1A and G2. Status LEDs for Link/Act and 100M are located above the Ethernet ports.

Video 1: An overview of the Cisco 200 Series Smart Switches, demonstrating key features and benefits for small business environments. This video provides a general introduction to the series, including models with and without Power over Ethernet (PoE) capabilities.

2. SETUP

2.1 Package Contents

Verify that your package contains the following items:

- Cisco SF200-48 Smart Switch
- Power cord
- Mounting hardware
- Quick-start guide

2.2 Physical Installation

The Cisco SF200-48 switch can be installed on a desktop or mounted in a rack. Ensure adequate ventilation around the device to prevent overheating. Connect the power cord to the switch and a suitable power outlet.

2.3 Network Connections

1. Connect your network devices (computers, printers, servers) to the 48 10/100 Ethernet ports using standard Ethernet cables.
2. For uplink connections to other network devices or a core network, use the two combo mini-GBIC ports. These ports support Gigabit Ethernet connectivity.

2.4 Initial Configuration

The switch features an intuitive browser-based user interface for configuration and management. Use Cisco FindIT software to discover the switch on your network and obtain its IP address. The interface allows for quick setup, including automated security and QoS port configurations.

3. OPERATING INSTRUCTIONS

3.1 Basic Operation

Once connected and powered on, the switch will automatically establish network connectivity for connected devices. The System LED indicates the operational status of the switch. Link/Act LEDs on each port indicate active connections and data transmission.

3.2 Key Features

- **Quality of Service (QoS):** Prioritizes network traffic to ensure optimal performance for critical applications.
- **IPv6 Support:** Native support for the next generation of Internet Protocol.
- **Security:** Integrated network security features, including IEEE 802.1X port security, to control network access.
- **Energy Efficiency:** Optimizes power use by automatically powering down inactive ports and adjusting power based on cable length.

3.3 Web-Based Management

Access the switch's web interface via a web browser using its IP address. This interface provides comprehensive tools for monitoring, configuring, and managing all switch functions and settings.

4. MAINTENANCE

To ensure optimal performance and longevity of your Cisco SF200-48 switch, consider the following maintenance guidelines:

- **Environmental Conditions:** Operate the switch within its specified temperature range (up to 40 degrees Celsius) and ensure proper airflow.
- **Cleaning:** Periodically clean the exterior of the switch with a soft, dry cloth. Avoid using liquid cleaners directly on the device.
- **Firmware Updates:** Regularly check the Cisco support website for available firmware updates to enhance performance and security.

5. TROUBLESHOOTING

If you encounter issues with your Cisco SF200-48 switch, consider the following steps:

- **Check Connections:** Ensure all network cables and the power cord are securely connected. Verify Link/Act LEDs are illuminated for active connections.
- **Power Cycle:** Disconnect and reconnect the power cord to restart the switch.
- **Web Interface Diagnostics:** Utilize the web-based management interface for detailed diagnostics and status information.
- **Reset Button:** If the switch is unresponsive, use the Reset button (located on the front panel) to restore factory default settings. Refer to the quick-start guide for specific reset procedures.
- **Cisco Support:** For persistent issues, refer to the Cisco support resources or contact technical support.

6. SPECIFICATIONS

Feature	Specification
Model Number	SLM248GTNA
Ports	48 x 10/100 Fast Ethernet
Expansion Ports	2 x Combo Mini-GBIC (Gigabit SFP)
Switching Capacity	13.6 Gbps
Forwarding Performance (64-byte packet size)	10.12 Mpps
Data Transfer Rate	100 Megabytes Per Second
Item Weight	7.54 pounds
Product Dimensions	17.35 x 1.73 x 10.1 inches
Case Material	Metal
Upper Temperature Rating	40 Degrees Celsius
Voltage	240 Volts

7. WARRANTY AND SUPPORT

7.1 Limited Lifetime Hardware Warranty

The Cisco SF200-48 Smart Switch is protected by a Cisco Limited Lifetime Hardware Warranty. This warranty covers defects in materials and workmanship under normal use and service.

7.2 Technical Support

One year of technical support is included with the purchase of this product. For support resources, documentation, and to contact technical assistance, please visit the official Cisco Small Business support website.

Related Documents - SLM248GTNA

[PA-4E 10BaseT Ethernet Port Adapter Installation and Configuration Guide](#)
This guide provides detailed instructions for installing and configuring the Cisco PA-4E 10BaseT Ethernet Port Adapter on various Cisco networking platforms, including Catalyst switches and routers.

[Cisco 350 Series Managed Switches: Features, Benefits, and Specifications](#)
Explore the Cisco 350 Series Managed Switches, designed for small businesses seeking an ideal combination of features, affordability, and ease of use. Discover their advanced security, high reliability, power efficiency, and comprehensive product specifications.

[Cisco 300 Series Small Business Managed Switches: Features, Specifications, and Benefits](#)

This document provides a comprehensive overview of the Cisco 300 Series Small Business managed Ethernet switches, detailing their features, business applications, technical specifications, and ordering information. It highlights ease of use, affordability, performance, and security for small business networks.

[Cisco Business Android Mobile App Release Notes - Version 1.11](#)

Release notes for Cisco Business Android Mobile App, Version 1.11, detailing new features, system requirements, and support information. Includes information on real-time push notifications, password aging management, multi-language error messages, network topology visualization, guided troubleshooting, and enhanced onboarding.

[Introduction to Cisco Business Edition 6000 and 7000 Appliances](#)

This guide provides an introduction to the Cisco Business Edition 6000 and 7000 appliance models, detailing their features, installation requirements, and related documentation for setup and customization.

[Cisco Mini-GBIC SFP Transceiver Quick Start Guide](#)

This guide provides instructions for connecting and removing Cisco Mini-GBIC SFP Transceivers, including models MGBBX1, MFEBX1, MGBLX1, MFEFX1, MFELX1, MGBSX1, MGBLH1, and MGBT1. It also includes a switch compatibility list.