Cisco WS-C2960-48TT-L

Cisco WS-C2960-48TT-L Catalyst 2960 48-Port Managed Fast Ethernet Switch User Manual

INTRODUCTION

This manual provides instructions for the Cisco WS-C2960-48TT-L Catalyst 2960 48-Port Managed Fast Ethernet Switch. It covers installation, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your device.

SAFETY INFORMATION

Always follow local and national electrical codes. Ensure proper grounding. Do not operate the switch in wet or excessively humid environments. Disconnect power before cleaning or servicing. Refer to official Cisco documentation for detailed safety guidelines.

SETUP

1. Unpacking

Carefully remove the switch from its packaging. Verify all components are present: the switch unit, power cord, and any included mounting hardware.

2. Physical Installation

The Cisco Catalyst 2960 switch is designed for rack-mounting.

Secure the switch in a standard 19-inch equipment rack using the provided rack-mount brackets and screws. Ensure adequate ventilation around the unit.

3. Power Connection

Connect the power cord to the AC power inlet on the rear of the switch and then to a grounded electrical outlet.

4. Network Connections

Connect Fast Ethernet devices (computers, servers, other network devices) to the 48 10/100 RJ45 ports on the front panel using standard Ethernet cables.

Utilize the 2 dual-purpose uplink ports for Gigabit copper or fiber connections to connect to your core network or other switches.

For initial configuration, connect a console cable to the console port and a computer running terminal

emulation software.

Image: Front view of the Cisco WS-C2960-48TT-L Catalyst 2960 switch, showing the 48 Fast Ethernet ports and uplink ports.

OPERATING THE SWITCH

1. Power On

After connecting power, the switch will automatically power on. Observe the system LED indicators for status.

2. LED Indicators

- **System LED:** Green indicates normal operation. Amber indicates a system fault.
- **Port Status LEDs:** Green indicates a link. Blinking green indicates activity. Off indicates no link.

3. Basic Configuration (Cisco IOS)

The switch runs Cisco IOS software. Initial configuration typically involves setting up IP addresses, VLANs, and basic security. This is usually done via the console port or a web interface (if enabled). Refer to the Cisco documentation for detailed IOS configuration guides.

The switch supports Layer 2 switching with static Layer 3 routing capabilities, VLANs, Quality of Service

(QoS), and various security features.

MAINTENANCE

1. Cleaning

Keep the switch clean and free from dust. Use a soft, dry cloth for external cleaning. Do not use liquid cleaners.

2. Firmware Updates

Periodically check the official Cisco website for firmware updates. Keeping the firmware updated ensures optimal performance, security, and access to new features. Follow Cisco's instructions for firmware upgrade procedures.

3. Environmental Conditions

Ensure the operating environment maintains a temperature below 40 degrees Celsius and appropriate humidity levels to prevent overheating and component damage.

TROUBLESHOOTING

1. No Power

- Verify the power cord is securely connected to both the switch and the electrical outlet.
- Check the power outlet with another device to ensure it is functional.
- If the System LED is off, contact support.

2. No Network Connectivity on a Port

- Check the cable connection between the device and the switch port.
- Ensure the device connected to the port is powered on and functioning correctly.
- Observe the Port Status LED. If it's off, try a different cable or port.
- Verify the port configuration in the switch's IOS settings.

3. Slow Network Performance

- Check for excessive network traffic or loops.
- Ensure all cables are in good condition and properly connected.
- Review QoS settings if configured.

SPECIFICATIONS

Feature	Detail
Model	WS-C2960-48TT-L
Brand	Cisco
Number of Ports	48 Fast Ethernet 10/100 ports + 2 dual-purpose Gigabit uplink ports
Data Transfer Rate	100 Megabits Per Second (Fast Ethernet), Gigabit (Uplink)
Interface Type	RJ45, SFP

Feature	Detail
Layer Support	Layer 2 switching with static Layer 3 routing support
Operating System	Cisco IOS software
Product Dimensions	20 x 15 x 5.5 inches
Item Weight	9.73 pounds
Upper Temperature Rating	40 Degrees Celsius
Case Material	Metal

WARRANTY AND SUPPORT

This product is sold as an Amazon Renewed item. Renewed products are eligible for replacement or refund under the Amazon Renewed Guarantee if not satisfied with the purchase.

For specific technical support, refer to the official Cisco support resources and documentation available on their website. For issues related to your Amazon Renewed purchase, please contact Amazon customer service or the seller, Global Phone Supply.