Cisco C9200L-48P-4G-E

Cisco Catalyst 9200L 48 PoE+ Port 4x1G Uplink Switch User Manual

Model: C9200L-48P-4G-E

1. Introduction

This manual provides essential instructions for the setup, operation, maintenance, and troubleshooting of your Cisco Catalyst 9200L 48 PoE+ Port 4x1G Uplink Switch (Model: C9200L-48P-4G-E). Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

Important Safety Information:

- Ensure proper grounding for all electrical connections.
- Do not operate the device in wet or excessively humid environments.
- Only use power supplies and cables specified for this device.
- Refer to professional assistance for complex installations or repairs.

2. Product Overview

The Cisco Catalyst 9200L-48P-4G-E is a high-performance network switch designed for robust and scalable network deployments. It features 48 Power over Ethernet Plus (PoE+) ports and 4x1 Gigabit uplink ports, providing reliable connectivity and power delivery for various network devices.

Key Features:

- Total Number of Network Ports: 48
- Uplink Ports: Yes (4x1G)
- Modular Design: Yes
- Stack Port: Yes
- Port/Expansion Slot Details: 48 x Gigabit Ethernet network ports
- Power over Ethernet Plus (PoE+) capability

Product Views:

Figure 2.1: Front view of the Cisco Catalyst 9200L-48P-4G-E switch, displaying the 48 Gigabit Ethernet ports with PoE+ capability and the 4x1G uplink ports on the right side. Various indicator lights and a console port are also visible.

Figure 2.2: Angled view of the Cisco Catalyst 9200L-48P-4G-E switch, providing a perspective of the front panel with its numerous ports and a portion of the side panel, highlighting its rack-mountable design.

3. Setup

Follow these steps to set up your Cisco Catalyst 9200L switch:

1. **Unpacking and Inspection:** Carefully remove the switch from its packaging. Inspect for any physical damage. Ensure all components listed in the packing slip are present.
2. **Mounting:** The switch can be mounted in a standard 19-inch equipment rack. Secure the mounting brackets to the switch, then attach the switch to the rack using appropriate screws.
3. **Power Connection:** Connect the power cord to the switch's power input and then to a grounded AC power outlet. Ensure the power source meets the voltage requirements (185 Volts AC).
4. **Uplink Connection:** Connect your network's backbone or core switch to the 4x1G uplink ports using appropriate Ethernet cables.
5. **Device Connections:** Connect your network devices (e.g., IP phones, wireless access points, computers) to the 48 Gigabit Ethernet ports. For devices requiring power, ensure they are PoE+ compatible to utilize the switch's power delivery capabilities.
6. **Initial Configuration:** Connect a console cable to the console port for initial configuration via a terminal emulator. Refer to Cisco's official documentation for detailed command-line interface (CLI) configuration steps.

4. Operating Instructions

Once the switch is physically installed and powered on, it will begin its boot sequence. The indicator LEDs on the front panel will provide status information.

Basic Operation:

- **Power On/Off:** The switch powers on automatically when connected to a power source. To power off, disconnect the power cord.
- **Port Status:** Observe the LED indicators next to each port. These typically indicate link status (connection present) and activity (data transmission).
- **PoE+ Functionality:** For devices connected to PoE+ ports, the switch will automatically detect and provide power if the device is PoE+ compliant.
- **Network Management:** Access the switch's management interface (CLI or web-based, if configured) to monitor network traffic, configure VLANs, manage security settings, and perform other administrative

tasks.

For advanced configurations and network management, consult the comprehensive Cisco Catalyst 9200 Series documentation available on the Cisco support website.

5. Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your switch.

- **Cleaning:** Periodically clean the exterior of the switch with a soft, dry cloth. Ensure ventilation openings are free from dust and debris to prevent overheating. Do not use liquid cleaners directly on the device.
- **Firmware Updates:** Check the Cisco support website regularly for firmware updates. Keeping the firmware up-to-date ensures access to the latest features, security patches, and performance improvements. Follow Cisco's recommended procedures for firmware upgrades.
- **Environmental Control:** Operate the switch within its specified temperature and humidity ranges to prevent hardware degradation.
- **Cable Management:** Ensure all network and power cables are neatly organized and securely connected to prevent accidental disconnections or damage.

6. Troubleshooting

This section addresses common issues you might encounter with your switch.

No Power:

- Verify the power cord is securely connected to both the switch and the power outlet.
- Check if the power outlet is functional by plugging in another device.
- Ensure the power supply unit (if external) is correctly attached and functioning.

No Network Connectivity:

- Check the link/activity LEDs on the switch port and the connected device. If no link light, try a different cable or port.
- Verify that the connected device is powered on and configured correctly.
- Ensure the uplink connection to your core network is active and functional.
- If configured, check VLAN settings and IP addressing on the switch and connected devices.

PoE+ Not Working:

- Confirm that the connected device is PoE+ compliant.
- Check the PoE status indicators on the switch.
- Verify that the switch has sufficient power budget to supply all connected PoE+ devices.
- Ensure the cable used is suitable for PoE (e.g., Cat5e or higher).

For more complex issues, consult Cisco's official troubleshooting guides or contact Cisco technical support.

7. Specifications

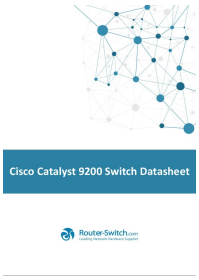
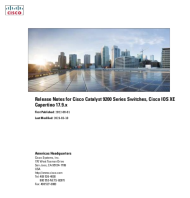
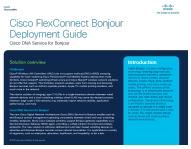
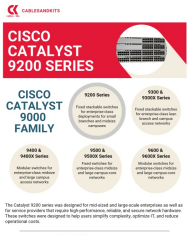
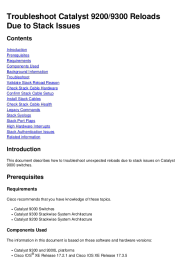
Feature	Detail

Feature	Detail
Brand	Cisco
Model Number	C9200L-48P-4G-E
Total Network Ports	48 x Gigabit Ethernet (PoE+)
Uplink Ports	4 x 1 Gigabit
Data Transfer Rate	1 Gigabits Per Second
Interface Type	PoE
Voltage	185 Volts (AC)
Product Dimensions	17.52 x 11.34 x 1.73 inches
Item Weight	15.7 ounces
Case Material	Copper
UPC	649661393139

8. Warranty and Support

This product is covered by the Amazon Renewed Guarantee, which provides eligibility for replacement or refund if you are not satisfied with your purchase. The return policy allows for returns within 90 days.
For technical support, product documentation, and further assistance, please visit the official Cisco support website or contact your authorized Cisco reseller.
Cisco Support Website: www.cisco.com/support

Related Documents - C9200L-48P-4G-E

	[Cisco Catalyst 9200 Switch Datasheet] A comprehensive datasheet detailing the Cisco Catalyst 9200 Series switches, covering features, specifications, platform details, accessories, licensing, and ordering information for enterprise network deployments.
	[Cisco Catalyst 9200 Series Switches Release Notes: Cisco IOS XE Cupertino 17.9.x] Detailed release notes for Cisco Catalyst 9200 Series Switches running Cisco IOS XE Cupertino 17.9.x, covering new features, hardware and software behavior changes, limitations, and resolved caveats.
	[Cisco FlexConnect Bonjour Deployment Guide for Cisco DNA Service] A comprehensive guide detailing the deployment of Cisco DNA Service for Bonjour with Cisco FlexConnect wireless networks, enabling seamless service discovery and distribution across wired and wireless environments.
	[Cisco Catalyst 9200 Series: Enterprise Network Switch Overview] Explore the Cisco Catalyst 9200 Series network switches. Learn about features like high stacking bandwidth, PoE+, FRU design, and detailed configurations for enterprise and service provider networks.
	[Cisco Catalyst 9100 & Wi-Fi 6/6E Access Points: Comprehensive FAQ and Technical Overview] Frequently Asked Questions (FAQ) about Cisco Catalyst 9100 series access points and Wi-Fi 6/6E (802.11ax) technology, covering features, compatibility, deployment, and support.
	[Troubleshoot Catalyst 9200/9300 Reloads Due to Stack Issues] This document provides a guide to troubleshooting unexpected reloads on Catalyst 9000 switches caused by stack issues. It covers identifying reload reasons, checking stack cable hardware and setup, verifying stack cable health, and understanding stack logs and authentication issues.