Arista DCS-7280SE-72

Arista DCS-7280SE-72 Ethernet Switch User Manual

Model: DCS-7280SE-72 | Brand: Arista

INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of the Arista DCS-7280SE-72 Ethernet Switch. The 7280SE-72 is a high-performance switch designed for data center and enterprise networks, delivering two 100GbE uplinks through the use of Arista MXP interfaces and embedded optics. Each MXP port enables twelve 10GbE, three 40GbE, or one 100GbE for a wide choice of cost-effective connections.

SETUP AND INSTALLATION

1. Unboxing

Carefully remove the switch and all accessories from the packaging. Verify that all components are present, including the switch unit, power cords, and any included documentation or accessories. The product may include a DVD with additional resources.

2. Physical Installation

The Arista DCS-7280SE-72 is designed for rack mounting. Securely install the switch in a standard 19-inch equipment rack using appropriate mounting hardware. Ensure adequate airflow around the unit for proper cooling. Connect the power cords to the power supply units at the rear of the switch and then to a grounded AC power source.

3. Initial Configuration

For initial configuration, connect a console cable from your management workstation to the console port on the switch. Use a terminal emulation program (e.g., PuTTY, Tera Term) with the following settings: 9600 baud, 8 data bits, no parity, 1 stop bit, no flow control. Power on the switch and follow the on-screen prompts to set up basic network parameters such as IP address, subnet mask, and default gateway.

Figure 1: Front view of the Arista DCS-7280SE-72 Ethernet Switch. This image displays the front panel of the switch, highlighting the 48 SFP ports for various fiber optic connections and the two high-speed 100 Gigabit Ethernet uplink ports, along with status indicators.

OPERATION

1. Powering On

Once connected to power, the switch will automatically begin its boot sequence. Observe the system status LEDs on the front panel to confirm successful power-on and system initialization.

2. LED Indicators

The front panel features various LED indicators for system status, port activity, and power. Refer to the detailed LED status guide in the official Arista documentation for specific meanings of each indicator, which are crucial for quick diagnostics.

3. Port Connectivity

Connect network devices to the SFP ports using appropriate transceivers and fiber optic cables. For 100GbE uplinks, use compatible MXP interfaces and cables. Ensure proper cable seating and observe port LEDs for link status and activity.

4. Software Interface

The Arista DCS-7280SE-72 operates on Arista EOS (Extensible Operating System). Access the command-line interface (CLI) via console, SSH, or Telnet for advanced configuration, monitoring, and management tasks. Refer to the Arista EOS documentation for comprehensive command references and configuration examples.

MAINTENANCE

1. Cleaning

Regularly inspect the switch for dust accumulation, especially around ventilation openings and fan inlets/outlets. Use a soft, dry cloth or compressed air to gently clean the exterior. Do not use liquid cleaners directly on the device.

2. Firmware Updates

Periodically check the Arista support website for the latest EOS firmware updates. Applying updates can provide new features, performance enhancements, and critical security patches. Always follow the recommended update procedures provided by Arista to avoid service interruptions.

3. Component Replacement

The Arista DCS-7280SE-72 features hot-swappable power supply units and fan modules, allowing for replacement without powering down the entire switch. When replacing a component, ensure the replacement part is compatible and follow the specific removal and installation instructions provided in the official Arista hardware guide.

Figure 2: Rear view of the Arista DCS-7280SE-72 Ethernet Switch. This image illustrates the rear panel, featuring multiple modular power supply bays and fan units, designed for redundancy and ease of maintenance.

TROUBLESHOOTING

1. Common Issues

- **No Power:** Verify power cord connections, check power outlets, and ensure power supply units are properly seated.
- **No Link on Port:** Check cable integrity, ensure correct transceiver type, verify connected device is powered on and configured correctly.
- **Network Connectivity Problems:** Confirm IP address configuration, check routing tables, and verify VLAN assignments.

2. Diagnostic LEDs

Utilize the front panel LEDs (Status, Link/Activity) to quickly diagnose issues. A solid green link LED indicates a successful connection, while a blinking LED indicates data activity. Refer to the official Arista documentation for a complete guide to LED status codes.

3. Reset Procedures

In cases of system unresponsiveness, a soft reboot can be initiated via the CLI. For more severe issues, a hard power cycle may be necessary by disconnecting and reconnecting power. Exercise caution with factory reset procedures, as they will erase all configurations.
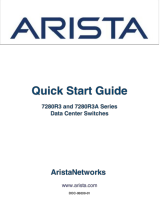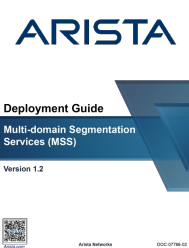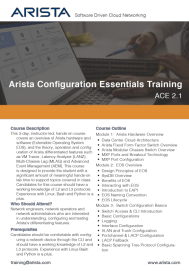
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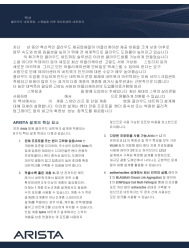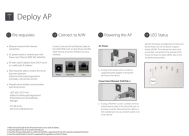
Specification	Detail
Model	DCS-7280SE-72
Brand	Arista
Number of Ports	48 (SFP) + 2 (100GbE Uplink)
Interface Type	SFP, MXP (for 100GbE)
Data Transfer Rate	Up to 200 Gigabits Per Second (aggregate)
Switch Type	Managed
Case Material	Metal
Compatible Devices	Laptop, Gaming Console, Desktop, Camera, Printer (network devices)
ASIN	B0CLSF2637
UPC	657768734625

WARRANTY AND SUPPORT

This Arista DCS-7280SE-72 switch is a renewed product. For specific warranty information and support related to its renewed status, please refer to the terms and conditions provided by the Amazon Renewed program or the seller from whom the product was purchased. For technical documentation, software downloads, and general product support, please visit the official Arista Networks support website. It is recommended to register your product with Arista if applicable.

Related Documents - DCS-7280SE-72

ARISTA

Quick Start Guide
7280R3 and 7280R3A Series
Data Center Switches

AristaNetworks
www.arista.com

Arista 7280R3 and 7280R3A Series Data Center Switches Quick Start Guide
This guide provides essential information for the installation and initial setup of Arista Networks 7280R3 and 7280R3A Series Data Center Switches. It covers an overview, preparation, rack mounting, cabling, and basic configuration.

[Arista 7160 Series Data Center Switch Data Sheet](#)
Detailed data sheet for the Arista 7160 Series Data Center Switches, covering product highlights, overview, software-defined cloud networking features, system specifications, model comparison, physical characteristics, environmental data, and ordering information.

[Arista Multi-domain Segmentation Services (MSS) Deployment Guide](#)
A comprehensive guide to deploying and managing Arista's Multi-domain Segmentation Services (MSS) for Zero Trust Networking (ZTN). Learn how to implement microperimeter segmentation, configure security policies, and enhance network security.

[Arista Configuration Essentials Training (ACE 2.1) Course Overview](#)
A comprehensive overview of the Arista Configuration Essentials Training (ACE 2.1) course, detailing its modules, prerequisites, target audience, and logistics. The course covers Arista hardware and software (EOS), including configuration, monitoring, and advanced features like MLAG and VXLAN.

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[Arista WiFi Access Point Deployment and Configuration Guide](#)
A comprehensive guide from Arista Networks on deploying, discovering, and configuring Arista WiFi Access Points, including troubleshooting steps and essential network requirements.