S9700 Core Router Switch Parameters



Overview

View and Download Huawei S9700 Series configuration manual online. Terabit Routing Switches SPU. S9700 Series switch pdf manual download.

Key Takeaways

The Huawei S9700 series are high-end core routing switches designed for data centers and next-generation campus networks, offering high-performance L2/L3 switching, service integration, and advanced reliability features.

Overview and Models

The S9700 series includes three models: S9703, S9706, and S9712, supporting a maximum of 3, 6, and 12 line processing units (LPUs), respectively. These switches are designed for core and aggregation layers in data centers, providing high-density 10G connectivity and non-blocking performance. They support service integration such as MPLS VPN, hardware IPv6, desktop cloud, video conferencing, and wireless access.

Hardware and Power Specifications

Chassis and Cooling: Compact chassis with left-to-back airflow design for efficient cabling and reduced power consumption. Power Supply: DC input: Rated -48 V DC/-60 V DC, range -40 V DC to -72 V DCAC input: Rated 110 V AC/220 V AC, 50/60 Hz, range 90 V AC to 290 V AC; output power reduces to half when input is 90–175 V AC. Line Cards: Supports X2S, X2E, X2H, and X1E cards with Huawei Ethernet Network Processor (ENP) for agile switching capabilities.

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Networking and Reliability Features

Switching: High-performance L2/L3 switching with hardware-based OAM/BFD, VRRP, and IP FRR for service continuity. Link Aggregation: Eth-Trunk technology ensures link-level reliability without STP or VRRP, simplifying configuration. High Availability: CSS (Cluster Switching System) technology allows one switch to take over if another fails.

WA

N Access: Supports POS, PPP, HDLC, and IP-Trunk interfaces for wide area network connectivity. Service and Security CapabilitiesSPU Integration: Service Processing Units (SPUs) provide firewall, NAT, IPSec, and NetStream services. User Management: Unified authentication for wired and wireless users using 802.

1X, MAC address, and Portal authentication. Virtualization: Super Virtual Fabric (SVF) technology virtualizes fixed switches into line cards and APs into switch ports.

Application Scenarios

The S9700 is suitable for data center core/aggregation layers, next-generation campus networks, and environments requiring high reliability, load balancing, and service integration. Its compact design and energy-efficient architecture make it ideal for high-density deployments.

Summary

The Huawei S9700 series combines high-performance switching, advanced reliability, flexible service integration, and WAN connectivity. Its modular design, support for multiple line cards, and virtualization capabilities make it a versatile solution for enterprise and data center networks, ensuring service continuity, simplified management, and reduced total cost of ownership.

Article Content

S9700 SERIES SWITCHES PRODUCT DESCRIPTION

Based on Huawei Versatile Routing Platform (VRP), the S9700 switches provide high-performance L2/L3 switching and integrate a range of services, such as MPLS VPN, hardware IPv6, desktop

Data Center

This document describes the positioning, characteristics, architecture, link features, service features, application scenarios, operation and maintenance functions, and technical specifications of

HUAWEI S9700 SERIES CONFIGURATION MANUAL Pdf Download

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Huawei S9700 Core Routing Switch Configuration Guide

This document provides the basic concepts, configuration procedures, and configuration examples in different application scenarios of the wide area network (WAN) access features supported by the

Huawei S9700 Series Switches Product Datasheet

The S9700 supports Native AC and can provide WLAN access while working as a core switch, reducing the network investment. It also supports hardware CPU queues to protect the enterprise core

S9700-23D

The S9700-23D disaggregated core router uses the Broadcom J2 chipset, which provides 8GB deep buffering with 2000Mpps packet throughput and 4.8Tbs

01-02 PRODUCT CHARACTERISTICS

Based on Huawei Versatile Routing Platform (VRP), the S9700 switches provide high-performance L2/L3 switching and integrate a range of services, such as MPLS VPN, hardware IPv6, desktop

Huawei S9700 Networking Switch User Manual | Manualzz

This user manual provides complete information on the S9700 networking switch, covering its features, configuration, and operation. Learn about DHCP server, DHCP relay agent, DHCP snooping, SAVI,

S9700 SERIES SWITCHES PRODUCT DESCRIPTION

2 Product Characteristics The S9700 series core routing switches (S9700 for short) are high-end switches designed for service integration in next-generation campus networks and data centers.

UfiSpace Core Edge Router S9700-23D Datasheet

The S9700-23D is the best of breed robust, flexible and carrier-grade disaggregated IP/MPLS router that can be deployed in the core or edge to transport services over a scalable next-gen service provider

Huawei s9700 Series Switches Datasheet

The S9700''s multi-service routing and switching platform meets requirements for service bearing at the access layer, aggregation layer, and core layer of enterprise networks.

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S9700-53DX_0121_22

Core/Edge Router The S9700-53DX is the best of breed robust, exible and carrier-grade disaggregated IP/MPLS router that can be deployed in the core or edge to transport services over a scalable next

S9700-53DX 100G Disaggregated Core and Edge Router

Core Router Applications When coupled with UfiSpace''s fabric switch (S9705-48D), the S9700-53DX becomes "line card" building block for the distributed disaggregated chassis (DDC) routing system.

Huawei Enterprise Sx700 Series Switch Product

Powerful Service Processing Capability The S9700''s multi-service routing and switching platform meets requirements for service bearing at the access layer, aggregation layer, and core layer of enterprise

S9700-53DX Disaggregated Router Overview

The S9700-53DX is a robust and flexible disaggregated IP/MPLS router designed for core or edge deployment in next-gen telecom networks, featuring 100GE and 400GE ports, high availability, and

UfiSpace Distributed Disaggregated Chassis (DDC) Routing System

The S9700-53DX is the best of breed robust, flexible and carrier-grade Distributed Disaggregated Chassis (DDC) line card white box router that can be deployed in the core or edge to

Huawei s9700 Series Switches Datasheet

Huawei S9700 Series Switches Product Datasheet Huawei S9700 Series Switches Product Datasheet 1 Introduction The S9700 series terabit routing switches (S9700 for short) are high-end switches

S9700 Series Switches Hardware Description

S9700 Series Switches Hardware Description This document describes hardware components of the S9700, including the cabinet, chassis, power supply facilities, fan modules, cards, cables, and

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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