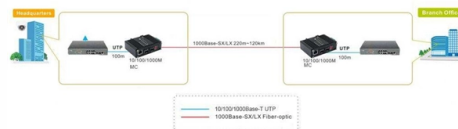


# Huawei Core Switch Layer 2 Interoperability



## Overview

This document provides typical configuration examples for interoperation between Huawei switches and mainstream IP phones, firewalls, routers, Microsoft NLB servers, multi-NIC servers, Cisco switches, and SolarWinds. VTP can be replaced by CloudEngine S6750-H series 10GE switches are Huawei's next-generation enterprise-class switches designed for core and aggregation layers, with  $48 \times 10\text{GE}$  downlink optical ports and  $8 \times 100\text{GE}$  uplink optical ports. They feature high performance, high reliability, cloud management, and intelligent O&M. Each Layer 2 connection connects a local and a remote Layer 2 connection subnet. Each enterprise switch supports a. This document describes the configuration of Ethernet services, including configuring link aggregation, VLANs, Voice VLAN, VLAN mapping, QinQ, GVRP, MAC table, STP/RSTP/MSTP, SEP, and so on.

## Article Content

### Layer 2 Switching

A Layer 2 device works at the second layer of the OSI model and forwards data packets based on media access control (MAC) addresses. Ports on a Layer 2 device send and receive data independently

### Interoperability and Replacement Capability Overview

S2700, S3700, S5700, S6700, S7700, and S9700 Series Switches Interoperation Configuration Guide (V200) This document provides typical configuration examples for interoperation between Huawei

### Deploying an S Series Switch as a Layer 2 Switch on a LAN

Layer 2 Network Configurations Provides guidance for configuring VLAN, QinQ, and various loop prevention protocols on a Layer 2 network.

### Interoperability Between Huawei Switches and Third-Party

This document provides typical configuration examples for interoperation between Huawei switches and mainstream IP phones, Cisco ISE authentication servers, Cisco ACS authentication servers, Aruba

### Guide for Replacement and Interoperation Between Huawei Switches

This document provides typical configuration examples for interoperation between Huawei switches and mainstream IP phones, firewalls, routers, Microsoft NLB servers, multi-NIC servers, Cisco switches,

### Huawei S5720 Series Switch: Comparison & Guide for

Explore S5720 switches (LI, SI, EI, HI), ideal for SMB and enterprise campus. Detailed specs, PoE+ support, stacking options, and expert deployment

### Deployment Differences Between Two-Layer and Three-Layer

Figure 2-1 Two-layer network architecture To ensure device-level and link-level reliability on the network, it is recommended that CSS be configured at the core layer, stacking be configured at the access

### CloudEngine S16700 Series Switches

CloudEngine S16700 series switches are flagship core switches with record-high performance designed for high-quality 10 Gbps campus networks. This series

### Interoperability and Replacement Capability Overview

This document provides typical configuration examples for interoperation between Huawei switches and mainstream IP phones, firewalls, routers, Microsoft NLB servers, multi-NIC servers, Cisco switches,

## Creating a Layer 2 Connection\_Enterprise Switch-Huawei Cloud

Each enterprise switch supports a maximum of six Layer 2 connections. The Layer 2 connections of an enterprise switch can share a tunnel IP address, but their tunnel VNIs must be

## Interoperability Between Huawei Switches and Third-Party

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## Creating a Layer 2 Connection\_Enterprise Switch-Huawei Cloud

Scenarios After an enterprise switch is created, you need to create a Layer 2 connection to enable the local Layer 2 connection subnet and the remote VXLAN switch to communicate at

## Example for Configuring a Layer 3 Switch to Work with a Router for ...

Example for Configuring a Layer 3 Switch to Work with a Router for Internet Access Layer 3 Switch Layer 3 switches provide the routing function, which indicates a network-layer function in the OSI

## Layer 3 Switching

Layer 3 Switching Background of Layer 3 Switches In early stage of network deployment, most local area networks (LANs) were established using Layer 2 switches, and routers completed

## Native AC Solution: Core Switches Function as the Gateway for Wired

In this example, a CSS of core switches functions as the gateway for wired and wireless users on the entire network and is responsible for routing and forwarding of user services on the entire network.

## Example for Configuring a Layer 2 Switch to Work with a Router for ...

It is required that users access the Internet through the Layer 2 switch and router and that the router function as the gateway of users. Figure 1-3 Configuring a Layer 2 switch to work with a router for

## Configuring Interoperability Between Huawei and Non-Huawei

CloudEngine 9800, 8800, 6800, and 5800 V200R020C10 Configuration Guide - Ethernet Switching This document describes the configuration of Ethernet services, including configuring MAC address table,

## Layer 2 Multicast Configuration

IGMP snooping enables a Layer 2 device to analyze IGMP messages exchanged between a connected Layer 3 device and downstream user hosts and use these IGMP messages to set up mappings

### S7700 Series Switches

S7700 Series Smart Routing Switches The S7700 series provide service optimization features like wired and wireless convergence, unified user management, quality

### Protocol Interoperability

Protocol Interoperability The Huawei Campus Switches and WLAN products comply with mainstream standard protocols in the industry. Third-party network devices that follow general protocols can be

### CloudEngine S6780-H Series Switches

These make CloudEngine S6780-H series switches the ideal core or aggregation switches on a cloud campus network to facilitate digital transformation of global

### Huawei CloudEngine 12800 Switch Datasheet

Product Overview The CloudEngine 12800 series switches are next-generation, high-performance core switches designed for data center networks and high-end campus networks. Using Huawei's next

### CloudEngine S6750-H Series 10GE Switches

For detailed interoperability certifications and test reports, click [HERE](#). CloudEngine S6750-H series 10GE switches are Huawei's next-generation enterprise-class

### Interconnection and Interworking — Huawei Enterprise

Protocol Interoperability The Huawei Campus Switches and WLAN products comply with mainstream standard protocols in the industry. Third-party network devices that follow general protocols can be

### Huawei Enterprise Sx700 Series Switch Product

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. The S9700 provides wireless

### Interoperability and Replacement Guide for Huawei and Cisco

This document provides guidance for configuring interoperation between Huawei switches and H3C authentication servers, mainstream IP phones, multi-NIC servers, and Cisco switches.

### CloudEngine 12800 Series Data Center Switches

Huawei CloudEngine 12800 series switches are next-generation, high-performance core switches designed for data centers and high-end campus networks. They

Huawei Core Switch: Network's Beating Heart? Can Centralized

Every enterprise network has a silent dictator—the Huawei core switch. Buried in server rooms or data centers, this unassuming device governs traffic flow between departments, ...

## Contact Us

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