

# Example of Huawei Core Switches



## Overview

The Huawei S6730 Switch series sets a high bar as both an Aggregation Switch and Core Switch, offering 10 GE access, 100 GE uplinks, VXLAN fabrics, intelligent networking, and high availability—all at a compelling total cost of ownership. Case: In an enterprise office scenario, a new network needs to be deployed. Requirement 1: Three subnets are planned: guest, office, and video security subnets. Positioned perfectly as an Aggregation Switch or Core Switch, the S6730-H delivers scalability, security, and cost-effectiveness for modern digital. Huawei's comprehensive portfolio of products and solutions enables you to realize smooth digital transformation and rapid growth of virtualization, Big Data, and cloud services. Huawei switches already help customers achieve success in industries such as finance, Internet, retail, education. This document provides campus networks typical configuration examples and feature typical configuration examples. "Feature Typical Configuration Examples" provides. In this scenario, IP addresses of the interfaces connecting the core switch to the BRASs and firewalls and OSPF need to be configured on the core switch, so as to implement connectivity between the user network to egress network through the core switch. When configuring interfaces and routes, you.



## Article Content

(Video) Director Tech Talk Introduction to HUAWEI CloudEngine

Huawei CloudEngine S16700 series flagship core switches are next-generation flagship modular core switches designed for high-end campus networks. They are designed to improve user experience,

Sx300 Series Switches Typical Configuration Examples (V200)

Sx300 Series Switches Typical Configuration Examples (V200) Example for Configuring Portal Authentication to Control User Access to the Enterprise Network (Authentication Point on Core)

Configuring the Core Switch

Configuring the Core Switch Context In this scenario, IP addresses of the interfaces connecting the core switch to the BRASs and firewalls and OSPF need to be configured on the core

S600-E Series Switches Typical Configuration Examples

S600-E Series Switches Typical Configuration Examples Example for Using ACLs to Control Access to the Specified Server in the Specified Time Range ACL Overview An Access Control List (ACL)

Native AC + Policy Association Solution: Core Switches Function as

Policy association is deployed between core switches and access switches. The core switches function as control devices to centrally authenticate users and manage user access policies, and access

Huawei S6730 Switch - 10GE Aggregation & Core

Explore Huawei S6730 Switch: 24-48 10GE access, 40/100GE uplinks, VXLAN/BGP-EVPN, built-in WLAN AC, SEP/ERPS resilience, telemetry,

Data Center Switches

Data Center Switches CloudEngine Data Center Switches — Ethernet switches widely used in diverse applications and in different network sizes, in both data

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

The Huawei core switch isn't about moving data—it's about orchestrating it. Picture a hospital network: MRI machines streaming high-res scans, telehealth sessions in progress, ...

Network Switches | Huawei Enterprise

Huawei campus switches are ideal for building future-proof campus networks with simplified management, high reliability, and service intelligence, across industries

## Why Is the Huawei CloudEngine 12800 Core Switch a Game

The Huawei CloudEngine 12800 Core Switch isn't just another piece of hardware—it's the silent powerhouse driving scalability, speed, and security for businesses navigating ...

### Wi-Fi-based Deployment Cases -Gateway + Core Switch + Access Switch ...

In addition, the core switch functions as the user gateway. With the wizard-based network configuration function, the interconnection subnet, interconnection VLAN, and route between the core switch and

### Link Aggregation Configuration

Example for Configuring Link Aggregation in Manual Mode When Switches Are Directly Connected Overview Ethernet link aggregation increases link bandwidth by bundling multiple physical links to

### Configuring the Core Switch

In this scenario, IP addresses of the interfaces connecting the core switch to the BRASs and firewalls and OSPF need to be configured on the core switch, so as to implement connectivity

### Standalone AC Solution: Core Switches Function as the Gateway for

Aggregation switches set up stacks to implement device-level backup and increase the interface density and forwarding bandwidth. In this example, core switches set up a CSS that functions as the gateway

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

In this example, core switches set up a CSS that functions as the gateway for wired and wireless users on the entire network and is responsible for routing and forwarding of user services. Figure 2-7 Core

### Standalone AC Solution: Core Switches and ACs Function as the

Aggregation switches set up stacks to implement device-level backup and increase the interface density and forwarding bandwidth. In this example, core switches and standalone ACs function as the

### Sx300 Series Switches Typical Configuration Examples (V200)

Sx300 Series Switches Typical Configuration Examples (V200) Example for Configuring Basic OSPF Functions OSPF Overview The Open Shortest Path First (OSPF) protocol is a link-state

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

Huawei Core Switch: Network's Beating Heart? Can Centralized Power Redefine Enterprise Scalability? Every enterprise network has a silent dictator—the Huawei core switch. Buried in server rooms or

Example for Configuring a Small-Sized Campus Network

The following uses the switch CORE as an example to describe how to log in to a switch through the web system for the first time. The login methods of switches ACC1 and ACC2 are similar to that of

Why Does Your Network Need a Huawei Core Switch? Is Outdated ...

Every modern enterprise faces a silent crisis: sluggish networks that throttle productivity, frustrate users, and leave IT teams scrambling. At the heart of this challenge lies the core switch—a device that

General Solution Selection Guidance

As the network is a newly deployed midsize network, select the solution of Native AC Solution: Core Switches Function as the Gateway for Wired and Wireless Users (Three-Layer Network

Wi-Fi-based Deployment Cases -Gateway + Core Switch + Access

With the wizard-based network configuration function, the interconnection subnet, interconnection VLAN, and route between the core switch and the gateway are automatically configured, greatly improving

## Contact Us

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