

Huawei Layer 3 Access Switch



Overview

The S3700 series enterprise switches (S3700s) are next-generation energy-saving Layer 3 switches. The S3700 utilizes cutting-edge hardware and Huawei Versatile Routing Platform (VRP) software to provide high-performance access and aggregation to an enterprise campus network. 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. To enable SwitchA and SwitchB to communicate with each other and provide high link bandwidth, Layer 3 Eth-Trunk interfaces need to be. Over the past year, enterprise network deployments have increasingly favored integrated Layer 3 switching over traditional router-switch separation — especially in campus, SME, and edge data center environments.

Article Content

Layer 3 Switching

In a summary, a Layer 3 switch provides high-speed Layer 3 switching through one routing process (forwarding the first packet to the CPU and creating a hardware Layer 3 forwarding entry) and

Example for Switching an Interface to Layer 3 Mode

To enable SwitchA and SwitchB to communicate with each other and provide high link bandwidth, Layer 3 Eth-Trunk interfaces need to be used between SwitchA and SwitchB. In addition,



Huawei Layer 3 Switch: Routing Revolution? Your Network

Enter the Huawei Layer 3 Switch: it doesn't just connect devices; it understands destinations. By blending switching speed with true routing intelligence, it collapses silos ...

Huawei Layer 3 Switch Guide: How to Choose the Right One

A practical, no-fluff guide to selecting a Huawei Layer 3 switch—covering models, configuration essentials, real-world trade-offs, and when you actually need routing intelligence.

How to Configure Huawei Layer 3 Switch with AR

In enterprise campus networks, a common design is to use a Huawei Layer 3 campus switch as S5730 series, while an upstream router provides

Huawei S3700 Series Switches Product Datasheet

The S3700 series enterprise switches (S3700s) are next-generation energy-saving Layer 3 switches. The S3700 utilizes cutting-edge hardware and Huawei Versatile Routing Platform (VRP) software to

Why Is the Huawei L3 Switch Your Network's Missing Link? Can

A Layer 3 switch operates at the network layer of the OSI model, which means it handles IP routing and logical addressing. Unlike Layer 2 switches that merely forward data based ...

Huawei eNSP-Layer 3 switching configuration

Huawei eNSP-Layer 3 switching configuration Experimental topology 1. Configure sw2 switch ... 2. Configure sw3 switch (same as sw2)

S5730-SI Series Standard Gigabit Ethernet Switches

The S5730-SI supports multiple Layer 3 features including OSPF, IS-IS, BGP, and VRRP, meeting enterprises' requirements on access and aggregation service transmission and enabling a variety of

S5720-SI Series Standard Gigabit Ethernet Switches

The S5720-SI series switches are standard Layer 3 Gigabit Ethernet switches that provide flexible full gigabit access and cost-effective fixed GE ports and 10GE uplink ports. The S5720-SI was

Core Switch vs. Distribution Switch vs. Access Switch

The access layer consists of layer 3 switches, which take routed and switched data packets from the distribution switches and then route them to the access devices in subnets. The access devices in

Huawei S310-48P4S 48-Port Gigabit Managed Switch Price in Kenya

Description Huawei S310-48P4S 48-Port Gigabit PoE+ L3 Managed Switch – 380W
Huawei S310-48P4S is an advanced Layer 3 managed PoE+ access switch designed to deliver high-performance

SFP vs SFP+ vs QSFP28 vs QSFP-DD: 2026 Optical

SFP vs SFP+ vs QSFP28 vs QSFP-DD: Master optical transceiver selection for 1G to 800G AI networks with our lab-verified guide.

The 9 Best Enterprise Network Switches for 2026

Generally speaking, enterprise-level switches are rack-mounted. When used as a backbone switch, it can support over 500 information points. According to the three-layer network

CloudEngine S5735I-S-V2 Series Switches | Huawei Enterprise

Huawei CloudEngine S5735I-S-V2 series industrial switches (DIN rail-mounted) are next-generation industrial switches that provide flexible all-gigabit access and GE/10GE uplinks. They stand out with

Huawei CloudEngine S5755-S Series Twins Switches Datasheet

Introduction Huawei CloudEngine S5755-S-HT series twins switches are next-generation, high-reliability switching platforms. The series delivers system-level reliability through an innovative architecture

Huawei CloudEngine S6750-H Series 25GE Switches Datasheet

Introduction Huawei CloudEngine S6750-H series 25GE switches are next-generation enterprise-class core and aggregation switches that offer high performance, high reliability, cloud management, and

Huawei CloudEngine 6885L Data Center Switch Datasheet

Huawei CloudEngine 6885L Data Center Switch Datasheet Huawei CloudEngine 6885L series switches are next-generation high-performance and high-density GE/10GE/25GE access switches designed

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

