

Huawei AEI Access Switch Layer 3



Overview

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 voice, video, and data applications. In Figure 2-12, PC1, PC2, and PC3 are on three network segments, and SwitchC, SwitchD, and SwitchE are access switches for the three network segments, respectively. To enable SwitchA and SwitchB to communicate with each other and provide high link bandwidth, Layer 3 Eth-Trunk interfaces need to be. A Layer 3 switch from Huawei combines the functionality of a traditional network switch with that of a router, enabling it to forward data based on both MAC addresses (Layer 2) and IP addresses (Layer 3). This dual capability makes Huawei Layer 3 switches essential for modern enterprise and service. Prioritize raw processing and deep buffers at the core (Huawei/Ruijie), and maximize PoE density and cost-efficiency at the access layer (NSComm). The Challenge: Balancing Wi-Fi 7 power demands and AI/ML traffic spikes against tightening IT budgets. The overall structure is shown in. eNSP Huawei Simulator Single-arm routing configuration based on three-layer switch 1. The S5730-SI series switches are next-generation standard gigabit Layer 3 Ethernet switches.

Article Content

Nov 09, 2025

Why Is the Huawei L3 Switch Your Network's Missing Link? Can Layer 3 ...

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 on MAC ...

Sep 17, 2025

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With ****48 10/100/1000Base-T ports**** and flexible uplink options, this switch provides robust and scalable network connectivity for both aggregation and access layers.

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Huawei eNSP-Layer 3 switching configuration

Another way to achieve mutual access between different network segments and different vlan hosts is to configure Layer 3 switching, that is, to use Layer 3 switches.

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Huawei S3700 Series Switches Product

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 ...

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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, ...

Contact Us

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