

Article Overview

Xike switches support link aggregation to combine multiple physical ports into a single logical interface, improving bandwidth and network reliability.

Overview of Link Aggregation

Link aggregation allows multiple physical ports on a Xike switch to function as a single logical interface. This provides bandwidth superposition, redundancy, and load balancing, which is particularly useful for high-traffic environments or when connecting to NAS devices or servers . Xike switches, such as the SKS3200-8E2X, support both static and dynamic aggregation modes and can be managed via web interface or mobile app .

Configuring Aggregation Groups

- o Access the Switch Management Interface
- o Open the web interface using the switch's IP address (default is often 192.168.10.12) and log in with the default credentials (username: admin, password: empty), .
- o Ensure your computer is on the same network segment as the switch.

- o Select Aggregation ID and Ports
- o Navigate to the Port Management -> Aggregation Members section .
- o Choose an aggregation ID and select the physical ports to include in the group. A check mark will indicate the selected ports.
- o Click Apply to save the configuration.

- o Choose Aggregation Mode
- o Static (Balanced XOR): Manually configured, suitable for environments where both ends support static aggregation .
- o Dynamic (IEEE 802.3ad / LACP): Automatically negotiates aggregation with compatible devices, providing redundancy and load balancing .
- o Adaptive Load Balancing: Useful when the connected device does not support link aggregation; the switch balances traffic automatically .

Traffic Distribution Settings

Xike switches allow you to define how traffic is distributed across aggregated links :

- o src-mac: Based on source MAC address
- o dst-mac: Based on destination MAC address



Xike Switch Broadband Aggregation Settings

- o src-dst-mac: Combination of source and destination MAC
- o src-ip: Based on source IP address
- o dst-ip: Based on destination IP address
- o src-dst-ip: Combination of source and destination IP addresses Choose the distribution type depending on your network topology and whether the switch is behind a router, to ensure proper load balancing.

Best Practices

- o Ensure all ports in the aggregation group have the same speed and duplex settings.
- o Avoid including ports with port security enabled in an active aggregation group .
- o Save the configuration to persistent memory to prevent loss after a reboot .
- o Test the aggregation by transferring traffic to verify load balancing and redundancy.

Management Options

Xike switches can be managed via:

- o Web interface: Standard browser-based configuration .
- o SwitchPilot / Xike Manager: Modern, open-source web management interface for easier VLAN and aggregation management .
- o Mobile App: For SKS series switches, allowing remote configuration and monitoring . By following these steps, you can effectively configure broadband aggregation on Xike switches, maximizing network throughput and reliability.

Introduction Link Aggregation is a feature that aggregates physical ports of a switch into a logical link, allowing it to accommodate

Global link-aggregation traffic redirection settings take effect on all aggregation groups. A link aggregation group preferentially uses

Link aggregation interfaces have names like "po1" and "sa1" depending on the aggregation method in use. Ethernet bonding is used to

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Xike Switch Broadband Aggregation Settings

The mirroring configuration of the first item on the left is only switch local mirroring, that is to say, both the mirroring port and the

The most common solution is to setup link aggregation to improve network performance by increasing the available

Link aggregation is a way of bundling a bunch of individual Ethernet links together so they

Prerequisites for Preparing for Broadband Access Aggregation Before configuring broadband access aggregation,

A computer or other device that supports network connections faster than one gigabit per second Setting up your

Professional manufacturer of high-speed network & storage equipment. XikeStor offers certified, reliable

Note:The wireless router doesn't support link aggregation under the Access Point Mode. Introduction: Some TP-Link

Effortless Setup: This easy smart 2.5 gb switch simplifies network management. Use the web interface to optimize performance with

In this article, I'm going to describe how to set up Link Aggregation between two managed switches to provide connectivity,

It is very simple to use, just plug it in and use it, without those complicated settings, you can easily make the network

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