Q&A

FS S3800 & S2800 Switches: Q&A

Q: What are the FS L2/L2+ Series switches?

A: FS L2/L2+ Series switches including S3800 and S2800 are designed for class-carrier GE access and up to 10G uplink network, they cover all kinds of enterprise/operators customer. They adopt high performance processor to provide full speed forwarding and line-dormant capacity to offer customs multitudinous service features.

Q: What switch models are available in L2/L2+ Series?

A: Models table for reference:

Models	S3800-24F4S	S3800-24T4S	S3800-48T4S	S2800-24T4F
100/1000Base-T	N/A	24	48	24
SFP PORTS	20	N/A	N/A	4
SFP+ PORTS	4	4	4	N/A
COMBO PORTS	4	N/A	N/A	4
CONSOLE	1	1	1	1

Q: What type of CPU do you adopt?

Models	S3800-24F4S	S3800-24T4S	S3800-48T4S	S2800-24T4F
CPU	ARM	ARM	ARM	MIPS
Switch Chip	Broadcom BCM53347	Broadcom BCM53346	Broadcom BCM53346	Realtek RTL8382

Q: Can the switches be stacked?

A: S3800-24F4S and S3800-24T4S support stacking but S3800-48T4S and S2800 series do not.

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Q: Have you tested the actual transmission speed?

A: Yes, our products have been tested. We will carry out the actual test, including rack installation, connecting to the main transceivers such as Cisco, Juniper etc.

Q: Can switches be compatible with transceivers of other brands?

A: You can use mainstream transceivers. We have tested these mainstream transceivers but not all brands. Also, we recommend that you can use the FS transceivers.

Q: Is it difficult to operate the switch without IT experience?

A: No, it is not difficult to set up. Because our switches are plug and play. And we can provide use manual and configuration manual for you.

Q: Can the license on the switch be upgraded?

A: Our switch does not have license.

Q: How do I manage the switches?

A: The switches support WEB and CLI management.

Q: Do the switches support Smart Install?

A: No.

Q: Does the switch support export and import traffic monitoring?

A: S3800 series support export and import traffic monitoring by sflow. But S2800 series does not support.

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Q: Does it have the ability to assign IP addresses?

A: Yes, It supports DHCP which can assign IP addresses automatically to internal networks or network service providers.

Q: What is the egress buffer size of your L2/L2+ switches?

A: The egress buffer is 1.5 Mbit.

Q: How do the switches help keep unauthorized users from accessing the network?

A: The switch supports 802.1x that works in conjunction with a RADIUS server to authenticate users as they access a network. Additionally, portions of the network can be restricted by using ACLs. An additional protection method is to use port security, which helps ensure that the appropriate user is on the network by limiting access to the port based on MAC addresses.

Q: Do the switches have a front panel out-of-band (OOB) Ethernet management interface?

A: No.

Q: Can the switches be powered using RPS/XPS?

A: S3800 series switches can supply custom service for built-in Redundant Power System (RPS) but S2800 series can not.

Q: Does the switch support PoE?

A: No, S3800 and S2800 series do not support POE.

Q: Can switches provide over current and over voltage protection?

A: Yes. If the switches work during limited voltage, alternating current (AC): 100 to 240V and direct current (DC) : - 50 to -60 v, over current and over voltage protection is supported.

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Q: Can the switch support Multi-Protocol Label Switching (MPLS)?

A: No.

Q: What are the ways in which the switches upgrade , and how to upgrade?

A: Switches can be upgraded via local, FTP, TFTP, console or WEB and CLI. We will provide the latest version and version specification for free.

Q: what is the working mode of switch? Does it support auto-negotiation between switches?

A: The switches support full duplex, half duplex mode and port rate can be configured. It can support auto-negotiation of ports between devices.

Q: What spanning trees can switch support? Can open or close spanning tree based on port? Can it support intercommunication with mainstream manufacturers?

A: S3800 and S2800 series support three spanning tree protocols that support STP, RSTP, MSTP.
Yes , It can open or close spanning tree based on port.
Support intercommunication with H3C, CISCO, HUAWEI etc.

Q: What is the partition mode of VLAN and working mode of ports?

A: Device supports port based VLAN and adopts package form of IEEE 802.1Q. All ports support tagged and untagged mode and protocol-based VLAN , MAC-based VLAN, IP subnet-based VLAN etc.

Q: Does the device support port aggregation, and the maximum numbers of ports aggregation?

A: Common ports support aggregation up to 8 ports. 10GE ports support up to 4 port aggregation.

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Q: Can your switches support port- mirroring and specify the direction of data flow?

A: Yes. FS switches support forwarding the data flow from the source port to the destination port.

Q: Which business fields can be identified? How to mark the priority level of the business?

A: Our switches can identify the MAC address in the packet, VLAN ID, Ethernet Type, IP address, IP TOS, four port, etc.
The 802.1P COS level can be rewritten according to the business level of the data packet.

Q: Whether the switches can support advanced routing protocol?

A: S3800 and S2800 series switches are defined as smart layer 2 switch. They can support some simple routing protocol such as static routing. In addition, S3800 also support OSPF, but function is a little weak.

Q: Can you supply MIB ? Does private MIB meet the criteria?

A: We can provide all MIB information and detailed instruction to help buyer develop network management system. Private MIB meets RFC1155 and RFC1212 standers.

Q: When trying to access the switch, I get the message that "the host IP address and the IP address of the switch must be in the same subnet" How to set?

A: Configure IP to be the same subnet.

Q: What is the warranty for the L2 & L2+ series?

A: One year warranty, including of the quality problems during the maintenance. Besides, we can upgrade the software for free. If you want to renew, we can provide service according to the actual situation. For example, if the chip is broken, we will charge fees of the chip, hours freight and freight.

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Q: Are we able to load any NOS system that we wish on your S3800 switches?

A: Our switches can not add network operating system. The system we use is developed based on Vxworks system.

Q: I buy your switch 20 SFP, 4 1GE Combo, 4 10GE SFP+ ports, I want to add another extra power, can I?

A: Default setting of S3800 series are single power supply. But you can customize the dual power supply. But the extra power supply is built-in and cannot support hot-swap.

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