

SS5720-8X

Layer3 8-port 10G SFP+ Switch

Product Overview

SS5720-8X is our independently developed layer3 10G managed switch. It with 8*10Gbps SFP+ fiber ports and 1*Console port. SS5720-8X provides complete security policies, complete QoS policies and rich VLAN functions. It is easy to manage and maintain and meets the needs of enterprises' networking and access requirements for communities, hotels, office networks, and campus networks.

Product Interface



SS5720-8X

- 8* 1G/2.5G/10G Base-X SFP+ port
- 160Gbps Switching capacity
- 238Mpps forwarding rate
- 12V/1.5A
- 207×136×35mm

Key Features

- Backwards compatible with 1G/2.5G/10G transmission rate;
- 10Gbps SFP+ optical module, supports SR/LR/LRM/ER/ZR and other models;
- Layer3 static and dynamic routing protocol
- Two aggregation modes, static aggregation and dynamic aggregation (LACP), effectively increase link bandwidth, improve link reliability, and can also achieve load balancing and link backup;
- Flexible and convenient management and maintenance, supporting various management modes, such as Console, Telnet and SSH;
- WEB/CLI/ SNMP management
- File upload and download management via TFTP

Hardware Specifications

Attributes	SS5720-8X
Protocol	IEEE 802.3,802.3az,802.3ae,802.3x,802.3ad,802.1x,802.1Q,802.1p,802.1d,802.1w
Ethernet Port	8* 1G/2.5G/10G Base-X SFP+ port
Console Ports	1* RJ45
Chipset	RTL9303
Switching Capacity	160Gbps
Forwarding Rate	119.04Mpps
MAC Address	16K
Jumbo Frame	12K Byte
Packet Buffer	12Mbit
LED	PWR, LINK/ACT, SYS
Flash	32MB
DRAM	256MB
Power Supply	12V/1.5A
Power Consumption	≤20W
Dimensions	207×136×35mm
Working Temperature	-10°C ~ 50°C
Storage Temperature	-40°C ~ 70°C
Working Humidity:	10~90% Non-condensing
Storage Humidity	5~90% Non-condensing

Software Specifications

Attributes	SS5720-8X
MAC Address Table	Supports manual addition and deletion of MAC address tables Supports port shutdown MAC address learning Support port MAC address number control Support port MAC address filtering function
VLAN	Supports 4K VLAN 802.1Q Supports VLANs based on ports, MACs and protocols Support Access/Trunk/Hybrid Support QinQ
Spanning Tree	Support STP/RSTP/MSTP Supports remote loop detection
Ports	Supports bi-directional bandwidth control Supports static and LACP dynamic aggregation port aggregation Supports multi-port mirroring Supports port storm suppression Supports 12K Jumbo ultra-long frame forwarding
User Security	Supports Anti-ARP-spoofing spoofing protection. Supports automatic suppression of Anti-ARP-flooding attacks. Supports IP Source Guard to automatically create IP+MAC+Port+VLAN binding tables. Supports Port Isolation hardware to isolate messages between ports. Supports MAC address binding to ports and port MAC address filtering Supports IEEE 802.1x and AAA/Radius for user authentication
Switch Security	Support for SSHv2 Secure Shell Support SNMP v3 encryption management Supports Security IP's Telnet login and password mechanism.
Network Security	Supports one-click binding based on dynamic ARP tables Supports manual binding of IP address, VLAN ID, MAC address and port parameters Supports L2-L7 ACL flow filtering Supports port broadcast/multicast message suppression and automatic shutdown of dangerous ports Supports DHCP Option82 and PPPoE+ tagging to upload user physical location information

ACL	Support for standard and extended ACLs Supports Time Range-based ACL policies. Provides flow classification and flow definition based on source/destination MAC address, VLAN, 802.1p, ToS, DiffServ, source/destination IP (IPv4/IPv6) address, TCP/UDP port number, protocol type and other IP message header information Supports 80-byte header filtering for IP messages from L2 to L7.
QoS	Supports COS/DSCP-based traffic classification Supports rate limiting of incoming and outgoing messages on ports or custom streams. Supports message mirroring and message redirection for ports or customized streams Supports priority marking of ports or customized streams and provides Remark capability for 802.1P and DSCP priorities. Supports advanced queue scheduling based on ports or customized streams, supports 8 priority queues per port/stream, and provides various queue scheduling algorithms such as SP, WRR, SP+WRR, etc. Supports traffic supervision based on VLAN direction (in/out) Supports traffic supervision based on aggregated flow direction (inbound/outbound) Supports queue-based traffic shaping Supports port-based traffic shaping Supports SP strict priority scheduling Supports WRR (weighted round robin) scheduling Support SP + WRR hybrid scheduling Support for IPv4-v6 QoS (qc)
Multicast	Support for IGMPv1/v2/v3 Snooping Supports IGMP Filter multicast filtering Supports IGMP Fast leave fast leave multicast groups Support for IGMP Proxy
ARP	Supports ARP table entry aging Support for ARP Proxy
IPv4	Supports static IPv4 routes Ping, Traceroute are supported, VRRP support Support OSPF, RIP, PIM, BGP and other protocols Support ICMP redirect, ICMP unreachable
IPv6	Supports static IPv6 routing ICMPv6 support

	Support for Neighbor Discover
Loop Protection	Supports enhanced Ethernet ring protocol Support Loopback-detection port loopback detection
Link Protection	Supports FlexLink link backup Supports RSTP/MSTP link healing hardware acceleration capability Supports LACP dynamic link aggregation
Maintenance	Supports Telnet-based real-time port traffic, utilization, and incoming and outgoing packet statistics Supports LLDP neighbor device discovery protocol Supports Ethernet OAM 802.3ah EFM and 802.1ag CFM Support for data logging and RFC 3164 BSD syslog Protocol Ping and Traceroute support
Management	Supports Command Line Interface (CLI), Console port, Telnet, SSH and WEB configuration management Supports Virtual Cable Testing (VCT) Support SNMP V1/V2c/V3 management Support for SNTP protocol Support for hierarchical user rights Support user RADIUS remote authentication Support for user Tacacs+ remote authentication

Purchase Info

Product name	Product description
SS5720-8X	8*10G Base-T, 4*1000M Base-X SFP +, External Single Power