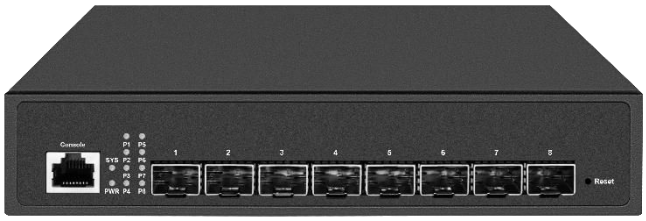
8 Port 10G SFP+ Switch L3 Managed with IPv6 (SR-ST3808F)



The SR-ST3808F series is an IPv6-enabled Layer 3 managed switch featuring 8 10 Gigabit Ethernet ports and 1 Console port. Utilizing a new generation of high-performance hardware and software platforms, it delivers flexible, cost-effective full Gigabit access and 10 Gigabit uplink ports. It supports comprehensive security protection mechanisms, robust ACL/QoS policies, and flexible VLAN functionality, ensuring easy management and maintenance. This addresses users' demand for easily manageable, highly secure, and cost-effective network solutions, making it suitable for campus, hotel, and enterprise campus network access and aggregation in diverse application scenarios.

The SR-ST3808F supports rich Layer 3 management capabilities, delivering high throughput for demanding network edge workgroups. In large networks, it serves as a backbone for 10 Gigabit switches and high-speed servers.

The SR-ST3808F is specifically designed for the networking needs of growing enterprises. It offers a comprehensive suite of management and security features. These devices provide a cost-effective solution for medium to large enterprises, delivering an ideal network solution for diverse scenarios.

provides 8 10-Gigabit Ethernet ports and 1 Console port
LED indicators for monitoring power supply, link/activity

Comprehensive port management capabilities and robust security protection policies	
Comprehensive ACL access control policies and robust QoS capabilities	
Full-metal iron housing with integrated power adapter design, suitable for rack mounting	
Supports	QoS, port security, port monitoring, port isolation, and link aggregation protocols;
	MAC address auto-learning and auto-aging;
	AACL; Supports IGMP V1/V2 multicast protocol, supports IGMP Snooping;
	IEEE 802.1Q VLAN, allowing users to flexibly partition VLANs as needed; Voice VLAN;
	Multicast VLAN, multicast filtering, efficient data transmission, network bandwidth savings, reduced network load;
	Quad-Binding of IP Address, MAC Address, VLAN, and Port for Packet Filtering;
	ARP Protection; IP Source Protection;
	Store-and-forward mode operation;
	Diverse management and maintenance methods including web interface, CLI commands (Console, Telnet), and SNMP (V1/V2/V3).
	STP/RSTP/MSTP spanning tree protocols; Supports spanning tree security features; Static and dynamic aggregation;
	Configure custom ports on the web management interface;
	Supports three priority modes—port-based, 802.1P-based, and DSCP-based—along with four queue scheduling algorithms: Equ, SP, WRR, and SP+WRR;
	802.1X authentication
	HTTPS, SSL V3, TLSV1, SSHV1/V2 encryption methods for enhanced management security;
	RMON, system logs, port traffic statistics for network optimization and upgrades;
	LLDP, CPU monitoring, memory monitoring;

Standard	IEEE 802.3，IEEE802.3z，IEEE802.3ae
Port Configuration	8 x 10 Gigabit optical ports, 1 x Console port
Indicator light	8 x optical port indicators, power input indicator, system operation indicator

Network medium	1000BASE-SX: 62.5 μ m MMF (minimum range: 2 m to 275 m) or 50 μ m MMF (minimum range: 2 m to 550 m) 1000BASE-LX: 62.5 μ m/50 μ m MMF (minimum range: 2m – 550m) or 9 μ m SMF (minimum range: 2m – 5000m) 10GBASE-SR: OM1/OM2/OM3 or higher MMF (Operating range: 2 m to 300 m) 10GBASE-LR: IEC B1.1 and B1.3 SMF (Minimum range: 2 m to 10,000 m)
Power Input	AC100~240V 50/60Hz
Size	195*165*40 mm
Conversion Capacity	160Gbps
Forwarding Rate	119.04Mpps
MAC Address Table	16K
Cache	12Mbit
Giant Frame	12KB
Environment	Operating Temperature：0℃~45℃（32℉~113℉）
	Storage Temperature：-40℃ ~70℃ (-40℉ ~158℉)
	Operating Humidity: 10% to 90% RH, non-condensing
	Storage Humidity: 5% to 95% RH, non-condensing

VLAN Features	• Supports IEEE802.1Q VLAN
	• Support private VLAN
	• Supports Protocol VLAN
	• Supports flexible QinQ
	• Supports VLAN Translation
	• Supports N:1 VLAN Translation
	• Supports Voice VLAN
	• Supports MAC VLAN
	• Supports DHCP Snooping、DHCP Relay

DHCP	• Supports DHCP client
	• Supports Option 82
Reliability	• Supports STP， RSTP， MSTP
	• Supports multi-process MSTP
	• Supports LACP Load Balancing
	• Supports G.8032 Standard Ring Network Protocol
	• Supports VCT、DDM
	• Supports ULDP(Achieves the same functionality as Cisco UDLD)
	• Supports alarm functionality
Multicast	• Supports IGMP v1/v2/v3 snooping、IGMP Fast leave
	• Supports MLD v1/v2 snooping
Quality of Service (QoS)	Supports flow classification based on ACL flows, VLAN ID, COS, TOS, DSCP, and IPv6 FlowLabel
	• Support for port-based and VLAN-based PolicyMap binding
	• Supports DSCP, COS/802.1p priority, TOS, and other field rewriting
	• Supports 8 queues per port
	• Supports SP, WRR, SWRR, and DWRR queue scheduling algorithms
Access Control List (ACL)	• Supports IP ACLs, matching based on fields such as source/destination IP, IP protocol type, IP priority, and TCP/UDP source and destination port numbers.
	• Supports custom ACLs
	• Supports port-based and VLAN-based ACL binding
	• Supports MAC ACLs, enabling packet matching based on source/destination MAC addresses, VLAN IDs, COS, and other fields.
routing	• Supports IPv4/IPv6 Gateway
Safety	• Support port rate limiting
	• Supports broadcast storm control based on packet and byte counts
	• Supports port/MAC binding and MAC filtering
	• Supports port-based and VLAN-based MAC address limits
	• Supports ARP spoofing prevention
	• Supports DHCP Snooping and DHCP Relay

	• Supports DAI
	• Supports standard IEEE 802.1x and extended IEEE 802.1x
	• Supports TACACS+
Management and Operations	• Supports CLI
	• Supports Ethernet management port
	• Supports IPv4/IPv6 HTT
	• Supports IPv4/IPv6 SNMP
	• Supports RADIUS authentication for IPv4/IPv6 Telnet username and password
	• Supports IPv4/IPv6 SSH
	• Supports syslog
	• Supports SNMPv1/v2c/v3
	• Supports MIB interfaces and traps
	• Supports dual IMG and multiple configuration files
	• Supports LLDP
	• Supports port mirroring
	• Supports one-touch reset
	• Supports four RMON groups: 1, 2, 3, and 9