

S5800 Series – 10G Managed Switch

Access /Aggregation Switch

Introduction

S5800 Series are equipped with 24 1/2.5G Ethernet ports plus 6 10G SFP+ ports. The switches are ideal for Internet Service Providers (ISPs) and Multiple System Operators (MSOs) to provide home users with triple-play services with up to Gigabit bandwidth. It is also an ideal Gigabit access switch for SMB, enterprise, and campus networks. The S5800 series are packed with features that bring high availability, comprehensive security, robust multicast control, and advance QoS to the network edge, as well as static routing capabilities.



Features

- 6 x 10G SFP+ + 24 x 1/2.5G Base-T RJ45
- IEEE802.3af/at/bt standard (S5800-30TGS-HPW)
- Supported TACACS+, SNMPv3, IEEE 802.1X, HTTPS, and SSHv2
- Supported ERPSv1, STP/RSTP and MSTP
- Easy network management by web browser, CLI, Telnet/serial console



Specifications

Items		S5800-30TGS	S5800-30TGS-HPW
PORT	1G/2.5GBaseT(X) Ports	24 ports	24 ports
	1G SFP	N/A	N/A
	10G SFP+	6 ports	6 ports
	GE out-of-band management ports	N/A	N/A
	console RJ45 ports	1	1
	Power over Ethernet	N/A	IEEE802.3af/at/bt, 720W power budget
Performance	Flash memory	256M Byte	256M Byte
	DDRIII capacity	512M Byte	512M Byte
	MAC address table size	32K	32K
	ARP table size	1K	1K
	Jumbo frames	12KB	12KB
	Switching capacity	240Gbps	240Gbps
	Auto-negotiation	Supported	Supported
	Auto-MDI/MDIX	Supported	Supported
Power supply	Input range	12V/6.25A	12V/12.5A 54.5V/14.68A
	System power consumption	75W	950W
LED	Port LED	Green: link/active	Green: link/active Yellow: PoE
Mechanical	Dimension (W x D x H) mm	440*330*44	440*330*44
Environment	Operating Temperature	0° to 50°C	
	Storage Temperature	-40° to 70°C	
	Operating Humidity (non-condensing)	10% to 90%	
	Storage Humidity (non-condensing)	10% to 90%	
Certifications	FCC Class A	Supported	
	CE	Supported	
	Safety Compliance: CB	Supported	
	Safety Compliance: UL	Supported	

Software Features

Items		S5800-30TGS	S5800-30TGS-HPW
L2 Features	VLAN	IEEE 802.1Q VLAN; IEEE 802.1v Protocol-based VLAN; Port-based VLAN; IP Subnet-based VLAN, MAC-based VLAN, Voice VLAN; GVRP; QinQ	
	Link aggregation	Static link aggregation; IEEE 802.3ad with LACP; Unicast/Multicast load balance over trunk port	
	Redundancy Protocols	ERPSv1; STP/RSTP and MSTP	
	ACL	L3/L4, Statistics ACL VLAN ACL, Global ACL; IPv4/IPv6/MAC/ARP ACL	
	QOS	Traffic Classification (802.1p/ToS/port/DiffServ); SP, WRR, SP+WRR; 8 queues/port of Priority Queues	
	IGMP	IGMP v1v2v3, IGMP Snooping	
	Storm Control	Broadcast/Multicast/ Unknown Unicast Storm Control	
	Security	RADIUS / TACACS+, IEEE 802.1X; Port authentication, MAC Authentication bypass; DHCP Snooping (Option 82), IP Source guard, DoS Protection; HTTPS and SSL	
	IPv6	IPv4/IPv6 Dual Protocol Stack; IPv6 Neighbor Discovery; IPv6 Neighbor Discovery Snooping; IPv6 DHCP client, IPv6 DHCP Snooping; MVR over IPv6, SNMP over IPv6, HTTP over IPv6, SSH over IPv6, Telnet over IPv6	
	Management	CLI via console port or Telnet, Web management, SNMPv3; RMON (groups 1, 2, 3 and 9); MIB II; DHCP client, DHCP Relay, DHCP dynamic provision option 66,67 FTP/SFTP/TFTP client; SNTP/NTP; NTP; LLDP; OAM; UDLD; SMTP; sFlow; MLDv1/v2; MLD snooping; ping; Traceroute; syslog	
L3 Features	Routing	Static Unicast Routes	

Order Information

Model	Description
S5800-30TGS	24-port 1/2.5G RJ45 + 6-port 10G SFP+ Managed Ethernet Switch
S5800-30TGS-HPW	24-port 1/2.5G RJ45 + 6-port 10G SFP+ Managed Ethernet Switch with PoE/PoE+/PoE++