



AK-S5800 Series 10G Security Switch

General Description

S5800 Series are 10GE security routing Ethernet switch with high-performance, high-security and multi-service. Advanced non-blocking array exchange and huge packet cache support smooth operation at the extreme circumstance. It is for IP MAN convergence layer and large scale enterprise zone or the core of the network layer.

S5828T



- 24*10/100/1000Base-T
- 4*10GE SFP+
- 12K Jumbo, 16K MAC, 4K VLAN
- 2K ACL, IP+MAC+Port+VLAN binding
- full load <40W
- WEB/SNMP/Telnet
- AC: Input 90~260V, 50~60Hz
- 440mm*220mm*44mm

S5852T_A



- 48*10/100/1000Base-T
- 4*10GE SFP+
- 12K Jumbo, 16K MAC, 4K VLAN
- 2K ACL, IP+MAC+Port+VLAN binding
- full load < 60W
- WEB/SNMP/Telnet
- AC: Input 90~260V, 50~60Hz
- 440mm*300mm*44mm

S5852T_B



- 44*10/100/1000Base-T
- 4*1GE SFP
- 4*10GE SFP+
- 12K Jumbo, 16K MAC, 4K VLAN
- 2K ACL, IP+MAC+Port+VLAN binding
- full load < 60W
- WEB/SNMP/Telnet



- AC: Input 90~260V, 50~60Hz
- 440mm*300mm*44mm

S5828S



- 20*100/1000Base-X
- 4*GE Combo
- 4*10GE SFP+
- 12K Jumbo, 16K MAC, 4K VLAN
- 2K ACL, IP+MAC+Port+VLAN binding
- full load < 60W
- WEB/SNMP/Telnet
- AC: Input 90~260V, 50~60Hz
- 440mm*300mm*44mm

Specification

Item	S5828T	S5852T	S5828S
switching capacity	128Gbps	176Gbps	128Gbps
Forwarding capacity	95Gbps	130Gbps	95Gbps
Memory & Flash	512MB SDRAM 16MB Flash		
Power	AC input: 90~264V, 47~67Hz		
Power consumption	Full loaded ≤ 40W Idle ≤ 13W	Full loaded ≤ 60W Idle ≤ 25W	Full loaded ≤ 60W Idle ≤ 20W
Dimensions (W/D/H)	440mm*220mm*44mm	440mm*300mm*44mm	440mm*280mm*44mm
Weight (Full-loaded)	≤ 3kg	≤ 3.5kg	≤ 3kg
Environmental requirements	Working temperature: -15°C~55°C Storage temperature: -40°C~70°C Relative humidity: 10%~90%, non-condensing		

Business Features

Item		S5828T/52T/28S
L2 features	MAC	16K MAC address MAC Black Hole Port MAC Limit

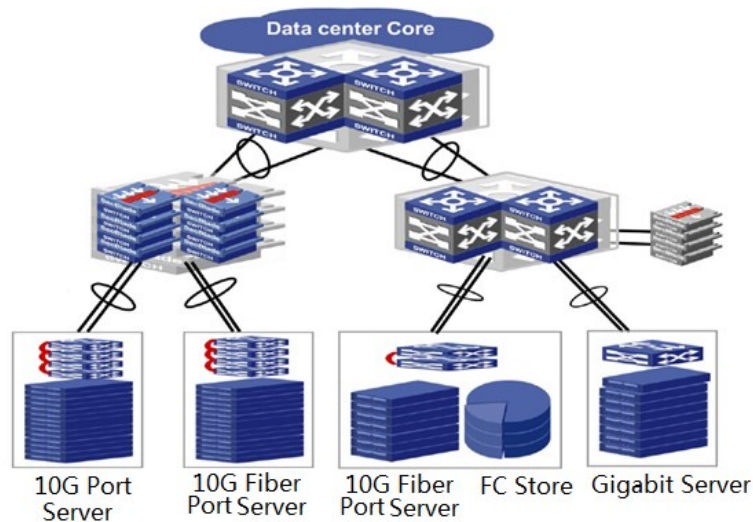


	VLAN	4K VLAN entries Port based QinQ PVLAN to realize port isolation and saving public-vlan resources GVRP
	Spanning tree	STP/RSTP/MSTP Remote-loop-detect
	Port	Bidirectional bandwidth control, configure entry/exit and the smallest 64K control particle Static and LACP Port- mirroring of 1:1 or N:1
Security features	User's security	ARP anti-Flooding, configure ARP traffic safety threshold and inhibition ARP packet ARP anti-Spoofing, configure ARP inner and outer MAC check and static ARP checklist and drop / flood action IP+MAC+port+VLAN binding manually Port Isolation, configure hardware isolation of each port Bind MAC address to port and MAC address filtration on port IEEE 802.1x and AAA/Radius authentication
	Device security	Anti-DOS attack SSHv2 Secure Shell SNMP v3 encryption Telnet based on Security IP Prevent unauthorized user
	Network security	One button binding based on dynamic ARP table Manual binding parameter of IP 、 VLAN ID、 MAC and port etc. L2-L7 ACL flow filtration Auto-shutdown port in storm Update user's location through DHCP Option82 and PPP
Service features	ACL	Activate standard and extended ACL Time Range ACL strategy Flow classification based on SMAC、 DMAC、 VLAN、 SIP、 DIP、 IP IP(IPv4/IPv6) 、 TCP/UDP port num、 protocol type etc. Packet filtration of L2~L7 IP header with 80bytes
	QoS	Rate-limit to packet sending/receiving speed of port or self-defined flow and provide general flow monitor and two-speed tri-color monitor of self-defined flow Packet mirror and redirection of interface and self-defined flow Supports Priority remark to port or self-defined flow and provide 802.1P, DSCP priority and Remark Super queue scheduler based on port and self-defined flow. Each port/ flow supports 8 priority queues and scheduler of SP, WRR and SP+WRR
	Multicast	IGMPv1/v2/v3 Snooping IGMP Filter MVR multicast VLAN register and cross VLAN multicast replication IGMP Fast leave IGMP Proxy



Reliability	Loop protection	EAPS and GERP Loopback-detection
	Link protection	FlexLink RSTP/MSTP LACP
	Device protection	Backup of host program and configuration files
Maintenance	Network maintenance	Port real-time, utilization and transmit/receive statistic based on CLI 802.3ah Ethernet OAM Syslog and RFC 3164 BSD syslog Protocol Ping and Traceroute
	Device management	CLI, Console port, Telnet and WEB SNMPv1/v2/v3 RMON (Remote Monitoring)1,2,3,9 group MIB NTP

Application



Ordering Information

Model	Description
S5828T	24*10/100/1000Base-T,4*10GE SFP+ (100~240V AC;50/60Hz)
S5852T	48*10/100/1000Base-T,4*10GE SFP+ (100~240V AC;50/60Hz)
S5828S	24*10/100/1000Base-X SFP, 4*10GE SFP+ (100~240V AC;50/60Hz)