



All Gigabit Security Switch

AK-S5500 Series

General Description

S5500 series are designed for carrier-class GE access and aggregation all L2+ full-Gigabit switches, they cover to all kinds of enterprise customer. It provides 24/28*10/100/1000Base-T or 1000Base-X SFP for the demand of cost-effective Gigabit access / aggregation. S5300 adopts high performance processor to provide full speed forwarding and line-dormant capacity to coordinate with NGGN unified software. It supports strong ACL and IP+MAC+ports binding etc .

Specification



S5528T

- Support 24 * 10/100/1000Mbps RJ45 ports
- Support 4 * Combo GE ports
- 9K Byte Jumbo Frame, 8K MAC address, 4K VLAN
- 500ACL, IP+Port+Protocol+VLAN binding
- Full loaded power < 24W
- WEB/SNMP/Telnet
- AC220 50~60Hz
- 440mm(W)*230mm(D)*44mm(H)

Business Features

Item	S5528T
Interface switching capacity	48Gbps
Forwarding capacity	41.7Mpps
Memory and flash	128MB SDRAM memory 16MB flash
Power	AC: Input 90~260V, 50~60Hz
Power consumption	Full-loaded ≤ 24W; Idle ≤ 10W
Dimensions (width x depth x height))	440×44×230
Weight (Full-loaded)	≤ 5kg
Environmental requirements	Working temperature: -15°C~55°C Storage temperature: -40°C~70°C Relative humidity: 10%~90%, non-condensing

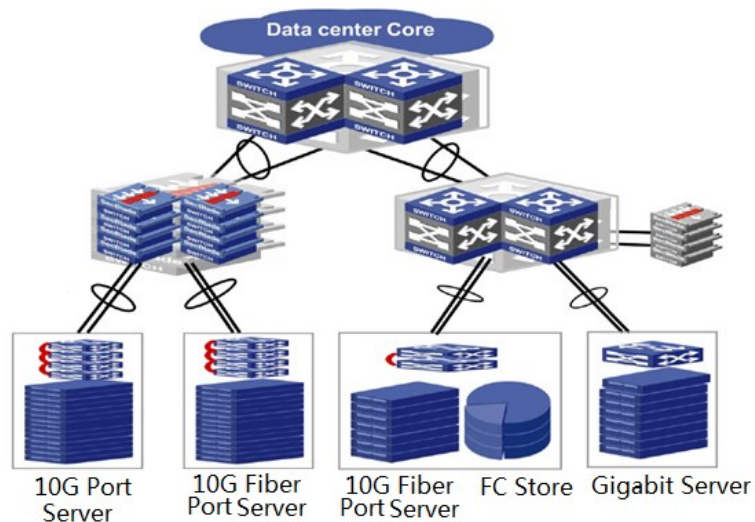


Item		S5528T
L2 Features	MAC	8K MAC MAC Black Hole Port MAC Limit
	VLAN	4K VLAN entries Port based QinQ PVLAN to realize port isolation and saving public-vlan resources GVRP
	Spanning tree	STP/RSTP/MSTP Remote-loop-detect
	Port	Bidirectional bandwidth control, configure entry/exit and the smallest 64K 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 4 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 (<50ms) Loopback-detection
	Link protection	FlexLink(<50ms) RSTP/MSTP(<1s) LACP(<10ms)
	Device protection	Backup of host program and configuration files
Maintenance	Network maintenance	Port real-time, utilization and transmit/receive statistic based on CLI Port real-time, utilization and transmit/receive statistic based on CLI LLDP 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
AK-S5528T	24 * 10/100/1000Mbps RJ45 Ports, 4 * ComboGE (1000Base-X SFP or 10/100/1000Base-T), AC 100~240V 50~60Hz