SGX5500 52TX

AP-SGX5500 Series 10G Uplink Security Switch

- 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

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OVERVIEW

SGX5500 series are designed for class-carrier GE access and 10G uplink network; they cover all kinds of enterprise/ operators customer. It provides 20/24/48* 10/100/1000Base-T, 1000Base-X SFP or 10G SPF+ for the demand of cost-effective Gigabit access / aggregation. SGX5500 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.

KEY FEATURES

- 48*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*300mm*44mm

PRODUCT SPECIFICATIONS

ITEMS	SGX5500-52TX
Interface switching capacity	176Gbps
Forwarding capacity	130Mpps
Memory and flash	512MB SDRAM memory and 16MB flash
Power	AC：Input 90～260V，50～60Hz;
Power consumption	Full-loaded≤60W Idle≤25W
Dimensions (width x depth x height))	440mm*300mm*44mm
Weight (Full-loaded)	≤3kg
Environmental requirements	Working temperature：-15▢C～55▢C Storage temperature：-40▢C～70▢C Relative humidity：10%～90%，non-condensing

BUSINESS FEATURES :

Hardware		
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文 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

BUSINESS FEATURES :

Hardware		
Service features	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 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 GN.LinkII Server NGBNView network management

PRODUCT INFORMATION :

ITEMS	DESCRIPTION
SGX5500-52TX	48*10/100/1000Base-T,4*10GE SFP+（100~240V AC;50/60Hz）

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