2.5G connects to 10-Gigabit upstream Layer-3 switches
Model：SZ6324-ACB

Porduct overview:

SZ6324-ACB is a layer 3 Ethernet switch, which can meet the needs of cost-effective 2.5G access and 10 Gigabit uplink for enterprise networks and operator customers. SZ6324-ACB uses a high-performance low-power network processor, provides Gigabit line-speed forwarding performance, supports green Ethernet line sleep capability, has the lowest power consumption of the same-level equipment in the industry, supports powerful QoS and ACL functions, and supports IP+MAC+ Security features such as port binding support service flow classification and packet priority marking. Support static data packet sampling, SFLOW function, support multi-port mirroring analysis function, support static and flexible QinQ function, support Ethernet OAM 802.3ag (CFM), 802.3ah (EFM), support strategy-based IPV4/6 unicast routing, support Flexible forwarding strategy。

Product Feature:

Carrier-level equipment stability

- Based on Linux operating system，support IPv4/IPv6 dual protocol stack platform
- Support multiple link redundancy and network redundancy protocols such as STP/RSTP/MSTP/ERPS/LACP

Perfect safety mechanism

- Support ACL security filtering mechanism, which can provide security control functions based on MAC, IP, L4 port
- Support ARP attack automatic protection and user blocking functions
- Support DHCP attack automatic protection based on Mac Address and user blocking functions
- Support DDOS and virus attack protection
- Support DHCP-snooping/IP-source-Guard/802.1X and other security features
- Support link protection functions such as BFD, FlexLink, LACP and ERRP
- Support remote loop detection function
- Support CFM、EFM
- Support remote user authentication based on Tacacs+, Radius, and Local user authentication

Powerful QoS capabilities

- Support port speed and flow speed limit function
- Support classification based on service flow and Qos flow control function
- Support queue scheduling algorithms such as SP/WRR/SP+WRR
- Support port-based and service flow-based mirroring functions

Enhanced multi-service capabilities

- Support DHCP Server and DHCP Relay
- Support L2-Tunnel
- Support Ethernet OAM protocol such as CFM、EFM

Rich routing protocol

- Support static route
- Support dynamic route such as RIP, OSPF,BGP, ISIS
- Support IPV4/IPV6 dual protocol stack，Support RIPng、OSPFv3

Simple and easy-to-use network management function

- Support CLI based on RS232 serial port, Telnet and SSHv2
- Support WEB-based configure operation management, support SNMP V1/V2/V3
- Support remote upgrade or equipment through FTP and TFTP

Hardware specifications:

Attributes	SZ6324-ACB
Port	24*10/100/1000/2500M Base-T，6*1000M Base-X SFP/10GE SFP+
Chip Solution	
Exchange capacity	240Gbps
Packet forwarding rate	160Mbps
MAC	32K
Multicast	4K
Route	12k
Memory and storage	Memory：512MB, storage：32MB
power	AC：100～240V　47/63Hz； DC：36V～75V；
Power consumption	≤39W
weight	3.5kg
Dimensions (Width * height * depth)	440X260X44
Environment temperature	Working Temperature：-10℃～55℃ Storge temperature：-40℃～70℃

Software specifications:

Attributes	SZ6324-ACB
VLAN	Support 4K VLAN Support Vlan based on port, MAC and protocol Support dual Tag VLAN, port-based static QinQ and fiexible QinQ
MAC	16K Mac address Support static MAC address setting Support black hole MAC address filtering Support port MAC address limit

ring network protocol	Support STP/RSTP/MSTP
	Support ERPS Ethernet ring network protection protocol
	Support Loopback-detection port loopback detection
port control	Support two-way bandwidth control
	Support port storm suppression
	Support 9K Jumbo ultra-long frame forwarding
Port aggregation	Support static link aggregation
	Support dynamic LACP
	Each aggregation group supports a maximum of 8 ports
Mirroring	Support port mirroring
	Support stream mirroring
ACL	Support standard and extended ACL
	Support ACL policy based on time period
	Provide flow classification and flow definition based on IP header information such as source/destination MAC address, VLAN, 802.1p, ToS, DSCP, source/destination IP address, L4 port number, protocol type, etc.
QoS	Support flow rate limiting function based on custom business flow
	Supports mirroring and redirection functions based on custom business flows
	Support priority marking based on custom service flow, support 802.1P, DSCP priority Remark capability Support port-based priority scheduling function,
	support queue scheduling algorithms such as SP/WRR/SP+WRR
Safety	Support user hierarchical management and password protection
	Support IEEE 802.1X authentication
	Support Radius&TACACS+ authentication
	Support MAC address learning limit, support black hole MAC function
	Support port isolation
	Support broadcast message rate suppression
	Support IP Source Guard Support ARP flood suppression and ARP spoofing protection
	Support DOS attack and virus attack protection

Layer 3	Support ARP learning and aging
	Support static route
	Support dynamic route RIP/OSPF/BGP/ISIS
	Support VRRP
System management	CLI、Telnet、WEB、SNMP V1/V2/V3、SSH2.0
	Support FTP,TFTP file upload and downdload
	Support RMON
	Support SNTP
	Support system work log
	Support LLDP neighbor device discovery protocol
	Support 802.3ah Ethernet OAM
	Support RFC 3164 Syslog
	Support Ping and Traceroute