
2.5G connects to 10-Gigabit upstream Layer-3 switches

Model: SZ6324-ACPB



Product overview:

SZ6324-ACPB 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-ACPB 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-ACPB
Port	24*10/100/1000/2500M Base-T POE, 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	≤450W
weight	4.2kg
Dimensions (Width * height * depth)	440X260X44
Environment temperature	Working Temperature: -10°C ~ 55°C Storage temperature: -40°C ~ 70°C

Software specifications:

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

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

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