
2.5G Connects to 40 Gbits uplink Layer-3 switches

Model: SZ6348-ADCB



Product overview:

SZ6348-ADCB 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. SZ6348-ADCB 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 characteristics:

- 48 2.5G ports for uplink access, four 10G optical ports + two 40G optical ports, 10G optical ports can be self-adapted to gigabit.
- meets the requirements of ultra-high bandwidth layer 2 and layer 3 forwarding

applications in telecom mall convergence, enterprise network and data center;

- Supports rich service features, such as L2, L3, MPLS, VxLAN, and OAM/APS.
- Supports security and flow control features, hardware-based NetFlow, and high-precision clock features;
- Supports elastic stack function to implement unified management, upgrade, and maintenance of multiple devices.
- Modular design, fan, power components can be pluggable design;
- support IPv4 / IPv6 double protocol stack platform, support the RIP/OSPF/RIPng routing protocols such as OSPFv3 / PIM;
- support VRRP/ERPS/MSTP/FlexLink/MonitorLink redundancy and wait for a variety of link network redundancy protocol;
- Supports the ACL security filtering mechanism and provides security control functions based on MAC, IP, L4 port, and port level.
- Supports Ethernet link detection mechanisms such as Ethernet OAM 802.3ag (CFM) and 802.3ah (EFM).
- Supports Tacacs+/Radius remote user authentication and Local user authentication.
- Supports the SP/WRR/SP+WRR priority algorithm to ensure the transmission of various priority traffic on demand.
- Supports IPv4/IPv6 static routing.

- Supports multi-port mirroring analysis and service flow-based mirroring analysis.
- Supports static and flexible QinQ function.
- Supports policy-based IPV4/6 unicast routing and flexible forwarding policies.
- Serial port, Telnet, and SSHv2 CLI management is supported.
- Supports RFC1213 SNMP network management.
- Supports web-based configuration management.

Hardware specifications:

Attributes	SZ6348-ADCB
Port	48*10/100/1000/2500M Base-T, 4*1000M SFP/10GE SFP+, 2*40G QSFP
Chip Solution	
Exchange capacity	440Gbps
Packet forwarding rate	320Mbps
MAC	128K
Multicast	8K
Route	32k
Memory and storage	Memory: 512MB, storage: 32MB
power	AC: 100~240V 47/63Hz; DC: 36V~75V;
Power consumption	≤53W
weight	≤5kg
Dimensions (Width * height * depth)	440*320*44
Environment temperature	Working Temperature: -10°C ~ 55°C Storage temperature: -40°C ~ 70°C

Software specifications:

Attributes	SZ6348-ADCB
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	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	<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>