



Carrier-Class Access Switch

AK-S2700 Series

General Description

S2700 series Ethernet switches are developed to carry multiple Ethernet services, targeting advanced MAN and intranets. The S2700 applies to various Ethernet access scenarios. Based on high-performance hardware of a new generation and the intelligent CPU, the S2700 provides abundant and flexible service features, ensuring operability, manageability, and expansibility. The S2700 withstands lightning strikes and bears excellent security features. It also supports strong ACL functions, QinQ, and 1:1 and N:1 VLAN switch to flexibly deploy VLANs.



S2728T



S2728S



S2752T

Specification

| Item | S2728T | S2728S | S2752T |
|----------------------|---|---------------------------------|---------------------------------|
| Backplane capacity | 40Gbps | 40Gbps | 72Gbps |
| Port Capacity | 12.8Gbps | 12.8Gbps | 17.6Gbps |
| Forwarding Capacity | 9.6Mpps | 9.6Mpps | 13.1Mpps |
| Power Consumption | Full loaded ≤ 28W Idle ≤ 15W | Full loaded ≤ 37W Idle ≤ 18W | Full loaded ≤ 45W Idle ≤ 20W |
| Dimensions (W/D/H) | 440mmx220mmx44mm | 440mmx220mmx44mm | 440mmx220mmx44mm |
| Weight (Full-loaded) | ≤3.5kg | ≤3.5kg | ≤3.5kg |
| Power | AC input: 90~260V, 50~60Hz DC input: -36V~-72V | | |



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| Environmental requirements | Working temperature: -15°C~55°C Storage temperature: -40°C~70°C Relative humidity: 10%~90%, non-condensing |
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Business Features

| Item | | S2728T/28S/52T |
|-------------------|---|--|
| L2 Features | MAC | 8K/16K MAC address Aging time and add/remove static MAC MAC Black Hole Port MAC Limit Disable MAC address learning on port or channel-group |
| | VLAN | 4K VLAN entries. Port-based and MAC-based VLAN PrivateVLAN Port-isolation in a VLAN Port QinQ and selective QinQ 1:1 and N:1 VLAN switching |
| | Port | Bidirectional bandwidth control, configure entry/exit Storm-control on port, configure broadcast/multicast/unknown unicast Static and LACP, configure 14/30 groups and 8 members port each group Port- mirroring of 11 or N1 |
| | Loop | STP/RSTP/MSTP Loopback-detection |
| 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 |
| | | IP+MAC+port+VLAN binding manually Port Isolation, configure hardware isolation of each port MAC address binds to port and port MAC address filtration |
| | Network Security | User-based MAC and ARP traffic examination Restrict ARP traffic of each user and force-out user with abnormal ARP traffic Update user's location through DHCP Option82 and PPP |
| | | Port-based broadcast/multicast/unknown unicast suppression L2-L4 ACL flow filtration |
| Device Security | Anti-DOS attack(such as ARP, Synflood, Smurf, ICMP attack), ARP detection, worm and Msblaster worm attack SSHv2 Secure Shell SNMP v3 encrypted management Security IP login through Telnet | |



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| | | Hierarchical management and password protection of users |
| Business Features | ACL | Activate 1K/460 standard and extended ACL at the same time Port/VLAN/global-based ACL and Time Range-based ACL strategy CAR and ACL in the dynamic AAA |
| | QOS | 4 /8 queues with different priorities on each interface, configure the algorithms of SP, WRR, and SP+WRR Flow classification based on SMAC, DMAC, VLAN, SIP, DIP, IP protocol, port number and CoS Traffic priority definition and packet re-direction |
| | Multi-cast | IGMPv1/v2/v3 Snooping IGMP Filter/Fast leave/cross VLAN multicast replication MLDv2/MLDv2 Snooping |
| Stability Features | Loop Protection | EAPS and GERP(<50ms) Loopback-detection |
| | Link Protection | FlexLink(<50ms) RSTP/MSTP(<1s) LACP(<100ms) |
| | Device Protection | Backup of host program and configuration files |
| Maintenance Features | Network Maintenance | 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 |

Ordering Information

| Model | Description |
|--------|---|
| S2728T | Support 24 * 10/100BaseT, 4 * 1000BaseX SFP, AC 220V |
| S2728S | Support 24 * 100BaseX SFP, 2 * Combo GE+(100/1000BaseX SFP or 10/100/1000BaseT), 2 * 1000BaseX SFP, AC 220V |
| S2752T | Support 48*10/100BaseT, 2 * 100/1000BaseX SFP, 2 * 1000BaseX SFP, AC 220V |