AK-S5300 Series All Gigabit Security Switch

Overview

    S5300 series are designed for class-carrier GE access and aggregation all L2 full-Gigabit switches, they cover to all kinds of enterprise customer. It provides 24*10/100/1000Base-T for the demand of cost-effective Gigabit access / aggregation.S5300 adopts high performance processor to provide full speed forwarding, S5300 series offers many advanced features, such as IEEE 802.1Q VLAN, enhanced Denial of Service (DoS) protection, IPv4 and IPv6 support, advanced ContentAware™ Engine, IEEE 802.1p Quality of Service (QoS), and Energy Efficient Ethernet™ (EEE). It supports strong ACL and IP+MAC+ports binding etc .

S5324T

S5324TC

Product Specifications

Product name	S5324T	S5324TC
Ports	24 10/100/1000M Base-T	16 10/100/1000M Base-T+8 1000M Base COMBO
Backplane capacity	48Gbps	
Forwarding capacity	35.7Mpps	
Dimensions (width x depth x height))	440mmx44mmx220mm	
Power supply	90-264VAC，50-60HZ	
Power consumpt	Full-loaded≤20W	
Environmental norms	Operating Temperature: 0 ° - 50 ° C (32 ° - 104 ° F) Storage Temperature: -20 ° - 70 ° C (-4 ° - 158 ° F) Operating Humidity: Maximum relative humidity 90% without condensation Storage humidity: 95% maximum relative humidity, non-condensing Working height: up to 10,000 feet (3,000 meters) storage altitude: the largest 10,000 feet (3,000 meters)	
Weight (Full-loaded)	＜2.5KG	
Business Features:		
Network protocols and standards	IEEE802.3 、 IEEE 802.3ab 、 IEEE 802.3x 、 IEEE802.1q 、 IEEE802.1p 、 IEEE802.1z 、 IEEE802.1d 、 IEEE802.1s 、 IEEE802.1w、IEEE802.1ax、IEEE802.1ak	
L2 Switching	• Supports:	

	– Learning up to 8K MAC addresses depending on device – Static entries – MAC limiting per port/LAG/VLAN • Line rate switching for all packet sizes • Shared and Independent VLAN learning • VLAN flooding for broadcast and DLF packets • Hardware-based address learning • Six CPU-Managed Learning (CML) modes per port • Hardware-and software-based aging • Software insertion/deletion/lookups of the L2 table • Same port bridging supported
L2 Multicast	• Supports 256 L2 multicast groups • Line-rate switching for all packet sizes and conditions • Three port filtering modes to control multicast packet behavior
VLAN	• Supports: - 4K VLANs - Protocol-based VLANs - Port-based VLANS - IEEE 802.1p - IEEE 802.1Q - Independent VLAN learning (IVL) - Ingress filtering for IEEE 802.1Q VLAN security • VLAN-based packet filtering
Source Port Filtering	• Egress port block masks • Trunk group blocking masks
Storm Control	• Per-port: - Unknown unicast packet rate control - Broadcast packet rate control - Multicast packet rate control
Spanning Tree	• Supports: - IEEE 802.1D spanning tree protocol (single spanning tree per port) - IEEE 802.1s for multiple spanning trees - IEEE 802.1w rapid spanning tree protocol—delete and/or replace per: • Port • VLAN • Spanning tree protocol packets detected and sent to the CPU
Double-Tagging	• Supports: - Unqualified learning/forwarding - Q-in-Q
Mirroring	• Ingress/egress mirroring support • Mirror-to-port receives the unmodified packet for ingress mirroring. • Mirror-to-port receives the modified packet for egress mirroring.
QoS Features	• Supports: - Eight CoS queues per port - Per-port, per CoS drop profiles • Port level shaping • Q level shaping • Traffic shaping available on CPU queues • Programmable priority to CoS queue mapping • Provides two levels of drop precedence per queue • Strict Priority (SP), Weighted Round Robin (WRR), and Deficit Round Robin (DRR) mechanisms for shaped queue selection

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Port Security	• Per port blocking • Supports IEEE 802.1x • MAC address blocking
DoS Prevention	• Denial of Service detection/prevention
Management Information Base	• SMON MIB, IETF RFC 2613 • RMON statistics group, IETF RFC 2819 • SNMP interface group, IETF RFC 1213, 2836 • Ethernet-like MIB, IETF RFC 1643 • Ethernet MIB, IEEE 802.3u • Bridge MIB, IETF RFC 1493
Energy Efficient Ethernet™ (EEE)	• System power saving by informing external PHY into Low Power Idle (LPI) state. • EEE is only supported on 1 GbE ports, not on the uplink/stacking ports.

Ordering Information

Model	Description
S5324T	Support 24 * 10/100/1000M Base-T, AC 220V
S5324TC	Support 16 * 10/100/1000M Base-T, 8 * 1000M Base COMBO, AC 220V

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