Comparison between Huawei S3700-SI & S3700-EI Series Switches

Specifications	S3700-SI	S3700-EI
Switching Capacity	64 Gbit/s	64 Gbit/s
Forwarding Performance	9.6 Mpps/13.2 Mpps	
Port Description	Downlink: 24/48 x 100 Base-TX Ethernet ports Uplink: 4 x GE ports	Downlink: 24/48 x 100 Base-TX Ethernet ports Uplink: 4 x GE ports
IP Routing	Static route, RIPv1, RIPv2, and ECMP	Static route, RIPv1, RIPv2, and ECMP OSPF, IS-IS, and BGP
IPv6 Features	Neighbor Discovery (ND) Path MTU (PMTU) IPv6 ping, IPv6 tracert, and IPv6 Telnet Manually configured tunnel 6to4 tunnel ISATAP tunnel ACLs based on the source IPv6 address, destination IPv6 address, Layer 4 ports, or protocol type MLD v1/v2 snooping	Neighbor Discovery (ND) Path MTU (PMTU) IPv6 ping, IPv6 tracert, and IPv6 Telnet Manually configured tunnel 6to4 tunnel ISATAP tunnel ACLs based on the source IPv6 address, destination IPv6 address, Layer 4 ports, or protocol type MLD v1/v2 snooping
Multicast	1K multicast groups IGMP v1/v2/v3 snooping and IGMP fast leave Multicast VLAN and multicast replication between VLANs Multicast load balancing among member ports of a trunk Controllable multicast Port-based multicast traffic statistics	1K multicast groups IGMP v1/v2/v3 snooping and IGMP fast leave Multicast VLAN and multicast replication between VLANs Multicast load balancing among member ports of a trunk Controllable multicast Port-based multicast traffic statistics
QoS/ACL	Rate limiting on packets sent and received by an interface Packet redirection Port-based traffic policing and two-rate three-color CAR Eight queues on each port WRR, DRR, SP, WRR + SP, and DRR + SP queue scheduling algorithms Re-marking of the 802.1p priority and DSCP priority Packet filtering on Layers 2 through 4, filtering out invalid frames based on the source MAC address, destination MAC address, source IP address, destination IP address, port number, protocol type, and VLAN ID Rate limiting in each queue and traffic shaping on ports	Rate limiting on packets sent and received by an interface Packet redirection Port-based traffic policing and two-rate three-color CAR Eight queues on each port WRR, DRR, SP, WRR + SP, and DRR + SP queue scheduling algorithms Re-marking of the 802.1p priority and DSCP priority Packet filtering on Layers 2 through 4, filtering out invalid frames based on the source MAC address, destination MAC address, source IP address, destination IP address, port number, protocol type, and VLAN ID Rate limiting in each queue and traffic shaping on ports

Note: The words in blue are the differences between the two series.