Comparison of Huawei S5720–LI, SI, EI and HI Series Switches

Specifications	S5720-LI	S5720-SI	S5720-EI	S5720-HI
Switching Capacity	336 Gbit/s	336 Gbit/s	598 Gbit/s	598 Gbit/s
Forwarding Performance	27 Mpps | 51 Mpps	42 Mpps | 57 Mpps | 78 Mpps | 96 Mpps | 132 Mpps	48 Mpps | 78 Mpps | 102 Mpps | 129 Mpps | 132 Mpps | 162 Mpps	168 Mpps | 192 Mpps
Port Description	- 8 x Ethernet 10/100/1,000 ports, 2 x Gig SFP and 2 x dual-purpose 10/100/1,000 or SFP - 24 x Ethernet 10/100/1,000 ports, 4 x Gig SFP	- 24 x Ethernet 10/100/1,000 ports, 4 of which are dual-purpose 10/100/1,000 or SFP P series: 4 Gig SFP X series: 4 x 10 Gig SFP+ - 48 x Ethernet 10/100/1,000 ports P series: 4 Gig SFP X series: 4 x 10 Gig SFP+ - 24 x Ethernet 10/100/1,000 ports P series: 4 Gig SFP X series: 4 x 10 Gig SFP+ - 8 x Ethernet 10/100/1,000 ports, 4 x Ethernet 2.5 GE/GE ports, 2 x 10 Gig SFP+	- 28 x 10/100/1,000 Base-T (4 GE Combo SFP), 4 x 10 Gig SFP+ - 28 x 100/1,000 Base-X SFP (4 GE Combo), 4 x 10 Gig SFP+ - 48 x 10/100/1,000 Base-T, 4 x 10 Gig SFP+ - 48 x 100/1,000 Base-X SFP, 4 x 10 Gig SFP+ - 46 x 10/100/1,000 Base-T, 4 x 10 Gig SFP+ - 46 x 100/1,000 Base-X SFP, 4 x 10 Gig SFP+	- 24 x 1,000 Base-X, 8 x combo (10/100/1,000 Base-T), 4 x 10 GE SFP+ - 48 x 10/100/1,000 Base-T, 4 x 10 GE SFP+
MAC Address Table	16K MAC address entries MAC address learning and aging Static, dynamic, and blackhole MAC address entries Packet filtering based on source MAC addresses Interface-based MAC learning limiting	16K MAC address entries MAC address learning and aging Static, dynamic, and black hole MAC address entries Packet filtering based on source MAC addresses IEEE 802.1d compliance	64K MAC address entries MAC address learning and aging Static, dynamic, and blackhole MAC address entries Packet filtering based on source MAC addresses IEEE 802.1d	128K MAC address entries MAC address learning and aging Static, dynamic, and blackhole MAC address entries Packet filtering based on source MAC addresses IEEE 802.1d standards compliance
VLAN	4K VLANs Guest VLAN and voice VLAN GVRP MUX VLAN VLAN assignment based on MAC addresses, protocols, IP subnets, policies, and interfaces 1:1 and N:1 VLAN mapping	4K VLANs Guest VLAN and voice VLAN GVRP MUX VLAN VLAN assignment based on MAC addresses, protocols, IP subnets, policies, and ports 1:1 and N:1 VLAN Mapping	4K VLANs Guest VLAN and voice VLAN GVRP MUX VLAN VLAN assignment based on MAC addresses, protocols, IP subnets, policies, and ports 1:1 and N:1 VLAN mapping VLAN-based transparent transmission of protocol packets	4K VLANs Guest VLAN, Voice VLAN GVRP MUX VLAN VLAN assignment based on MAC addresses, protocols, IP subnets, policies, and ports VLAN mapping
IP Routing	Static route, RIP, RIPng, OSPF, and OSPFv3	Static route, RIPv1, RIPv2, RIPng, ECMP, OSPF, OSPFv3, BGP, BGP4+, IS-IS, IS-ISv6, VRRP, and VRRP6	Static route, RIPv1, RIPv2, RIPng, OSPF, OSPFv3, IS-IS, IS-ISv6, BGP, BGP4+, ECMP, and routing policy	Static routes, RIPv1/v2, RIPng, OSPF, OSPFv3, IS-IS, IS-ISv6, BGP, BGP4+, ECMP, and routing policy

Note: The words in blues are the important differences of four sereies.