Product specifications

Item	S6720-30C-EI-24S-AC(DC)	S6720-54C-EI-48S-AC(DC)
Fixed Ports	24 x 10 Gig SFP+, 2 x 40 Gig QSFP+ ports	48 x 10 Gig SFP+, 2 x 40 Gig QSFP+ ports
Extended Slot	One extended slot for 4 x 40 Gig QSFP+ interface card	
MAC Address Table	288k MAC address entries MAC address learning and aging Static, dynamic, and black hole MAC address entries Packet filtering based on source MAC addresses	
VLAN	4K VLANs Guest VLAN and voice VLAN VLAN assignment based on MAC addresses, protocols, IP subnets, policies, and ports 1:1 and N:1 VLAN Mapping QinQ and selective QinQ	
IPv4 Routing	Static routing, RIPv1, RIPv2, ECMP, and URPF OSPF, IS-IS, and BGP VRRP Policy-based routing Routing policy	
IPv6 Routing	Static route RIPng OSPFv3 BGP4+ ISISv6	
IPv6 Features	Neighbor Discovery (ND) PMTU IPv6 ping, IPv6 tracert, and IPv6 Telnet 6to4 tunnel, ISATAP tunnel, and manually configured tunnel ACLs based on the source IPv6 address, destination IPv6 address, Layer 4 ports, or protocol type MLD v1/v2 snooping	

Multicast	Static Layer 2 multicast MAC address MAC-based multicast forwarding IGMP snooping and IGMP fast leave Multicast VLAN MLD snooping IGMP proxy Controllable multicast Port-based multicast traffic statistics IGMP v1/v2/v3 PIM-SM, PIM-DM, and PIM-SSM MSDP
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 at Layer 2 to Layer 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
MPLS	MPLS, MPLS VLL, L3VPN
VPLS	Martini VPLS
Reliability	STP (IEEE 802.1d), RSTP (IEEE 802.1w), and MSTP (IEEE 802.1s) BPDU protection, root protection, and loop protection RRPP ring topology and RRPP multi-instance Smart Link tree topology and Smart Link multi-instance, providing the millisecond-level protection switchover SEP ERPS(G.8032 v2) BFD for OSPF, BFD for IS-IS, BFD for VRRP, and BFD for PIM E-Trunk
Security	User privilege management and password protection DoS attack defense, ARP attack defense, and ICMP attack defense Binding of the IP address, MAC address, interface, and VLAN

	Port isolation, port security, and sticky MAC Blackhole MAC address entries Limit on the number of learned MAC addresses 802.1x authentication and limit on the number of users on an interface AAA authentication, RADIUS authentication and TACACS authentication SSH v2.0 Hypertext Transfer Protocol Secure (HTTPS) CPU defense Blacklist and whitelist	
Management and Maintenance	iStack (using service ports as stack ports) MAC Forced Forwarding (MFF) Virtual cable test Ethernet OAM (IEEE 802.3ah and 802.1ag) Local port mirroring and Remote Switched Port Analyzer (RSPAN), allowing an observing port to forward packets Remote configuration and maintenance using Telnet SNMP v1/v2c/v3 RMON Web NMS System logs and alarms of different levels GVRP MUX VLAN	
Operating Environment	Operating temperature: 0°C to 45°C (long-term); -5°C to 50°C (short-term) Relative humidity: 10% to 90% (non-condensing)	
Input Voltage	AC: Rated voltage range: 100V to 240V AC, 50/60 Hz Maximum voltage range: 90V to 264V AC, 50/60 Hz DC: Rated voltage range: –48V to –60V, DC Maximum voltage range: –36V to –72V, DC	
Dimensions (W x D x H, mm)	442 x 420 x 43.6	
Typical Power Consumption	Without subcard: 147W; With subcard: 166W	Without subcard: 190W; With subcard: 209W