Technical Parameters	
Item	**S3756F**
Backplane	256 Gbps
Forwarding	192 Mpps
RAM	256 MB
Flash	16 MB
MAC table	32K/64K
Ports	48 Gigabit SFP ports+4 Combo Gigabit TX ports+8 10G SFP ports
Dimensions mm (W×D×H)	350×442.5×44
Power	AC: 100V-240V, 50Hz±10%
	DC: -36V~-72V (POE doesn't support DC power)
	Dual-power is optional
Environment	Operating temperature/humidity: 0℃-50℃; 10%-90% non-condensing
	Storage temperature/humidity: -20℃-70℃; 5%-95% non-condensing
MAC exchange	Static configuration and dynamic MAC learning
	MAC browsing and removal
	Configurable aging time of the MAC address
	Limited number of learnable MAC addresses
	MAC filtration
	Black-hole MAC list
VLAN	4K VLAN
	GVRP
	1:1 VLAN mapping and N:1 VLAN mapping
	QinQ and flexible QinQ
	PVLAN
STP	802.1D (STP), 802.1W (RSTP) and 802.1S (MSTP)
	BPDU protection, root protection, and loopback protection
Multicast	IGMP v1/v2/v3
	IGMP Snooping
	IGMP Fast Leave
	Multicast group strategy and quantity limitation
	Multicast flow copying over VLANs
	PIM-SM and PIM-DM
IPv4	Static routing, RIP v1/v2, OSPF, BGP
	Policy based routing
	Load balance by equivalent routing
	BFD for OSPF, BGP
IPv6	ICMPv6, DHCPv6, ACLv6 and IPv6 Telnet
	IPv6 neighbor discovery
	Path MTU discovery
	MLD V1/V2
	IGMP snooping
	IPv6 Static Routing, RIPng, OSPFv3, BGP4+
	Manual tunnel, ISATAP tunnel, 6to4 tunnel
MCE	MCE
MPLS VPN	LDP protocol
	P/PE of MPLS VPN
	MPLS OAM
	Flow classification based on L2~4 protocols

QoS	CAR flow limit
	802.1P/DSCP priority re-labeling
	SP, WRR, and "SP+WRR"
	Congestion avoidance mechanisms like Tail-Drop and WRED
	Flow monitoring and flow shaping
Security features	L2/L3/L4 ACL flow identification and filtration
	DDoS attack prevention, TCP's SYN Flood attack prevention, UDP Flood attack prevention, etc
	Broadcast/multicast/unknown unicast storm-control
	Port isolation
	Port security, and "IP+MAC+port" binding
	DHCP snooping and DHCP option 82
	IEEE 802.1x authentication
	Radius BDTacacs+ authentication
	URPF
	Level-based command line protection
Reliability	1+1 power backup
	Static/LACP link aggregation
	EAPS
	VRRP
	GR for OSPF,BGP
	BFD for OSPF,BGP
	ISSU uninterrupted system upgrade
Management	Console, Telnet, SSH 2.0, Web
	SNMP v1/v2/v3
	TFTP
	RMON
	sFLOW
Energy saving	IEEE 802.3az