



FiberHome S6800 Series 10GE Switch

PRODUCT OVERVIEW

FiberHome S6800 series switches are next-generation 10G/100G routing switches with high-performance, high-security and multi-service. S6800 series switches has advanced hardware design with hot-swapped power redundancy. It is for IP MAN convergence layer and large-scale enterprise zone or the core of the network layer

PRODUCT APPEARANCE

FiberHome S6800 Series configurations listed as below:



S6800-48F6Q

- 48×10GE SFP+
- 6×40GE QSFP+
- 2×hot-swapped fans
- 2 hot swappable power supplies



S6800-48F4C2Q

- 48×10GE SFP+
- 2×40GE QSFP+
- 4×40/100GE QSFP28
- 2×hot-swapped fans
- 2 hot swappable power supplies



S6800-24F-X

- 4×GE Combo
- 24×10GE SFP+
- 2 Redundant fixed power supplies

FiberHome S6800 Series 10GE Switches

PRODUCT SPECIFICATIONS

S6800 Series 10GE Switch

Features	S6800-48F6Q	S6800-48F4C2Q	S6800-24F-X
Ports	48×10GE SFP+ 6×40GE QSFP+	48×10GE SFP+ 2×40GE QSFP+ 4×40/100GE QSFP28	4×GE Combo 24×10GE SFP+
Throughput	1080Mpps		363.07Mpps
Switching capacity	1.44Tbps		488Gbps
Memory and storage	1GB DDR2 SDRAM Memory and 512MB Flash Memory		
VLAN	4K VLANs; 1:1 & 2:2 VLAN Mapping; Q-in-Q, selective Q-in-Q		
Port trunk	LACP; 32 trunk groups at most, up to 8 ports in each group		
MAC	64K MAC	48K MAC;	
	48K MAC; Static MAC; Dynamic MAC; MAC-Flapping		
IP routing	Static routing, OSPF, IS-IS, BGP, 32K router table		
Multicast	1K Multicast; IGMP v1/v2/v3 snooping, IGMP filter, IGMP Proxy, IGMP Throttling, IGMP fast/immediate leave, Multicast replication between VLANs, IGMP Querier PIM-SM; PIM-DM; Source Specific Multicast (SSM)		
Reliability	STP, RSTP, MSTP; R-Link protection, VRRP, Trunk, Redundancy power BPDU Guard, Loop protection, Root protection;		
	Packet filtering at Layer 2 to Layer 4, packet filtering and classification based on 802.1p Cos, DSCP, IP Precedence, Interface, source MAC address, destination MAC address, source IP address, destination IP address, TCP/UDP port number, IPv6 traffic class, protocol type and VLAN ID		
	Time range ACL		
QoS/ACL	Rate limiting (Ingress, Egress) with granularity at 1Mbps		
	Port-based traffic policing and one-rate two-color CAR		
	8 queues on each port		
	Flexible scheduling algorithms, including SP/PQ, DRR, SP/PQ+DRR		
	WRED		
	IEEE 802.1Q V-Lan/tunnelling, Q in Q, V-Lan translation		
	Spanning Tree: STP/RSTP/MSTP		
L2 functions	Ring protection: ITU-T G.8032, multi-ring mode/revertive mode, switching time ≤50msec		
	Link aggregation: IEEE 802.3ad		
	Supporting Load balancing based on MAC source/destination/ combination, IP source/destination/ combination		
	User privilege management and password protection		
	Storm control: Broadcast, Multicast, DLF, unknown Unicast		
	DoS attack defense, ARP attack defense, IP source guard		
	Binding of the IP address, MAC address, interface		
Security	Port isolation, Port security		
	Black hole MAC address entries		
	Limit on number of learned MAC addresses		
	PPPoE Intermediate Agent		
	802.1x authentication, RADIUS authentication		

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Features	S6800-48F6Q	S6800-48F4C2Q	S6800-24F-X
	SSH v2.0		
	CPU protection/ CPU guard		
	Access control list		
Energy saving	Dynamic fan speed adjusting		
Management & maintenance	Port mirroring and Flow-based mirroring, flow control		
	Configuration via CLI, Telnet, Console port,		
	SNMP v1/v2/v2C/v3, RMON, LLDP, Syslog, Trap log		
	Third-Party GUI management platform based on SNMP		
	Loading and upgrade via FTP, TFTP		
	DDM on optical port		
	Port loopback detection		
Synchronization	NTP v3/v4		
	1588V2 E2E TC		
Operating environment	Operation temperature: 0°C to 55°C Relative humidity: 10%-90% (non-condensing)		
Input voltage	AC: Rated voltage range: 100V to 240V AC, 50/60Hz Maximum voltage range: 90V to 264V AC, 50/60Hz		
	DC: Rated voltage range: -48V to -60V DC Max voltage range: -36V to -72V DC		
Dimensions (W×D×H) mm	445×340×44		440×240×44
Power consumption	≤180W		≤95W
Weight (GW)	<9 kg		4.6 kg

Visit www.fiberhome.com for more information



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