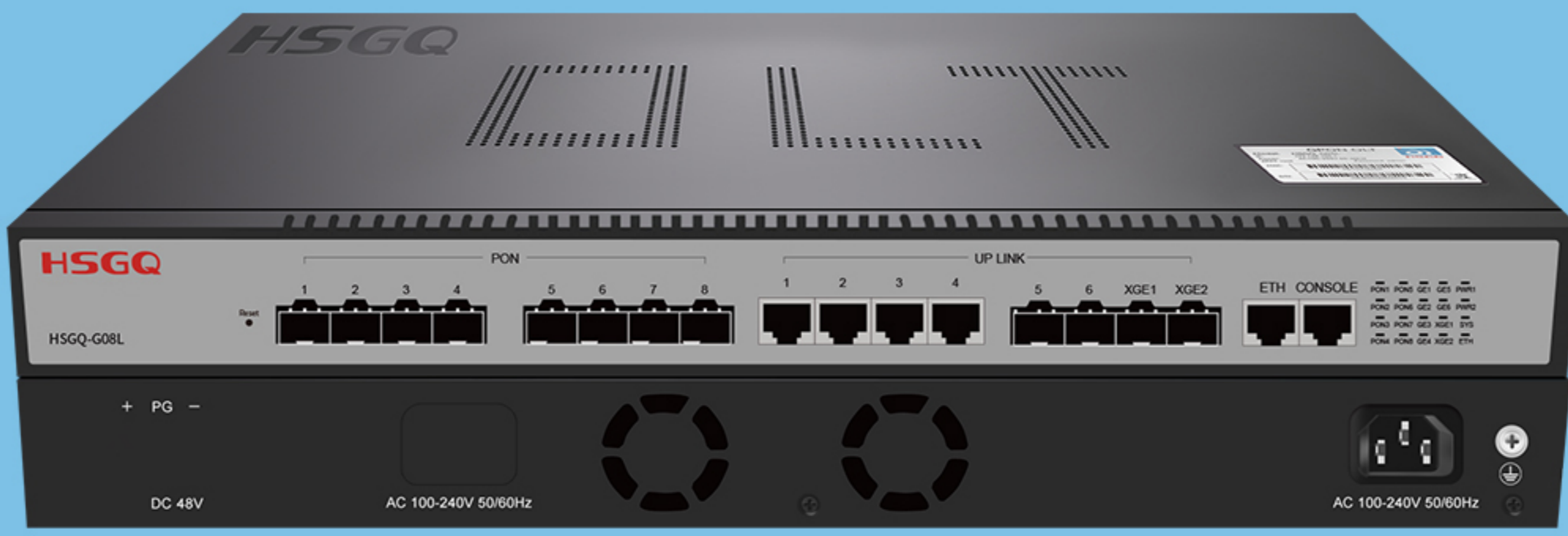


HSGQ-G08L



Product Features

PON Features	ITU-TG.984.x/G.988		
	SN LOID/LOID Password/LOID+LOID Password authentication modes		
	Terminal access up to 20km on a single fiber		
	Support up to 128 ONUs in single fiber		
	1:128 split ratio on single PON port		
	DBA algorithm, and the particle is for 64Kbit/s		
	Standard OMCI management function		
	ONU batch software upgrade		
	PON port optical parameter detection		
Auto registration ONU bound with default profile			
L2 Features	MAC	MAC Black Hole	
		Port MAC Limit	
		32K MAC	
	VLAN	4K VLAN entries	
		Port-based VLAN classification	
	Spanning Tree	Uplink VLAN Swap and VLAN Remark	
		STP/RSTP/MSTP	
Port	Loop detection		
	Support link aggregation		
Service Port	Port mirroring		
	Auto configuration service-port by profile		
L3 Features	VLAN transparent/tag/stacking/aggregation		
	Support Static Routing		
Security Features	Support DHCP Server, DHCP Snooping and DHCP Relay		
	Support OSPF		
	User Security	Anti-ARP-spoofing	
		Anti-ARP-flooding	
		Port Isolation	
	Device Security	MAC address binding to the port and MAC address filtering	
		Support the control layer to prevent a variety of DOS attacks and virus attacks against the CPU	
		Hierarchical management and password protection of users	
		SSHv2 Secure Shell	
		Login Security IP via Telnet	
User-based MAC and ARP traffic examination			
Restrict ARP traffic of each user and force-out user with abnormal ARP traffic			
Network Security	Dynamic ARP table-based binding		
	IP+VLAN+MAC+Port binding		
	L2 to L7 ACL flow filtration mechanism on the 80 bytes of the head of user-defined packet		
	Port-based broadcast/multicast suppression and auto-shutdown risk port		
	DHCP Option82 and PPPoE+ upload user's physical location		
Maintenance	Network Maintenance	Port real-time, utilization and transmit/receive statistic	
		Powerful WEB GUI	
		Data Logging and RFC 3164 BSD syslog protocol	
		Ping	
	Device Management	Console port, Telnet, SSH management	
		Out-band management	
		SNMP v1/v2	
		RMON(Remote Monitoring)1,2,3,9 groups MIB	
SMTP			
Fan management			

Product Features

Reliability	Loop Protection	Loopback-detection	
	Link Protection	RSTP/MSTP (recover-time <1s)	
		Link aggregation (recover-time <10ms)	
Device Protection	1+1 power hot backup		
Service Features	Qos	Rate-limit to packet sending/receiving speed of port or self-defined flow and provide general flow monitor and two-speed tri-color monitor of self-defined flow	
		CAR(Committed Access Rate),Traffic Shaping and flow statistics	
		Packet mirror and redirection of interface and self-defined flow	
	Supports priority marking of ports or custom flows and provides 802.1p, DSCP-priority Remark capability		
	Super queue scheduler based on port or self-defined flow. Each port/flow supports 8 priority queues and scheduler of SP, WRR and SP+WRR		
	Congestion avoidance mechanism, including Tail-Drop and WRED		
	ACL	Standard and extended ACL	
		Time Range ACL; Flow classification and flow definition based on source/destination MAC address VLAN, 802.1p, Tos, DiffServ, source/destination IP(IPv4/IPv6) address, TCP/UDP port number protocol type, etc.	
		Packet filtration of L2~L7 deep to 80 bytes of IP packet head	
		Multicast	IGMP v1/v2 Snooping
IGMP Fast leave			
GMP Proxy			
Compatible with IGMP v3			

Product Specification

Switching Capacity	82Gbps
Forwarding Capacity	68.45Mpps
Service Port	8×PON port, 4×GE RJ45, 2×GE SFP port, 2×10GE SFP+ port
Redundancy Design	Dual power supply
	Support double AC input,
Power Supply	AC: input 100~240V 50/60Hz
Power Consumption	55W
Dimensions	440mm(W) x 380mm(L) x 44mm(H)
Weight(Full-Loaded)	≤5kg
Environmental Requirements	Working temperature: -10°C~55°C
	Storage temperature: -40C~70C
	Relative humidity: 10%~90%,non-condensing

Ordering Information

Product Model	Descriptions
HSGQ-G08L	1U 19 inch
	AC Power
	8×fixed GPON port
	4GE RJ45, 2×GE SFP port, 2×10GE SFP+port
	1×console port, 1×ETH port

For more information, please visit: <http://www.hsgq.com>

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Version: V1.0, updated on August 16, 2023.

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