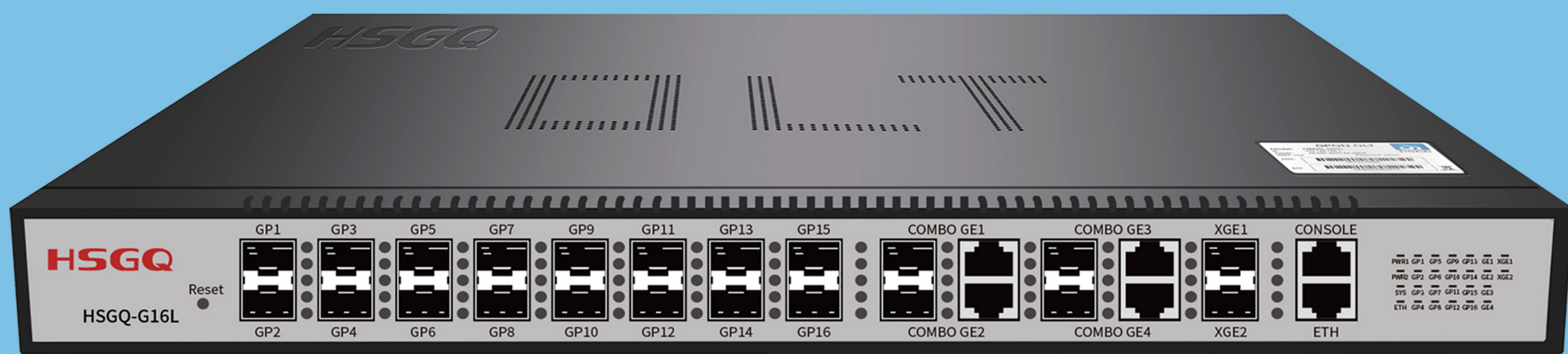


HSGQ-G16L



Product Features:

PON Features

ITU-T G.984.x/G.988
 SN/LOID/Password/LOID+Password/ authentication modes
 Terminal access up to 60km on a single fiber
 1:128 split ratio on single PON port
 Support up to 128 ONUs in single 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
	64K MAC (packet exchange chip cache 2MB)
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
	VLAN transparent/tag/stacking/aggregation

L3 Features

Support Static Routing
 Support DHCP Server, DHCP Snooping and DHCP Relay
 Support OSPF

Security Features

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
Network Security	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
	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
	GPON OMCI
	Data Logging and RFC 3164 BSD syslog Protocol Ping
Device Management	Console port, Telnet, SSH management
	Out-band management
	SNMPv1/v2
	RMON(Remote Monitoring)1,2,3,9 groups MIB
	SNTP
	Fan management

Product Features:

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

Multicast

packet filtration of L2~L7 deep to 80 bytes of IP packet head
 IGMPv1/v2/v3 Snooping
 IGMP Fast leave
 IGMP Proxy
 Compatible with IGMP v3

Reliability

Loop Protection	Loopback-detection
Link Protection	RSTP/MSTP(recover-time<1s) Link aggregation(recover-time<10ms)
Device Protection	1+1 power hot backup

Product Specification:

Switching Capacity	108Gbps
Forwarding Capacity(IPv4/IPv6)	95.23Mpps
Service Port	16*PON port, 4*GE COMBO port, 2*10GE SFP+ port
Power Supply	AC input 100 to 240 V AC DC 48V optional
Power Consumption	60W
Dimension (Width x Depth x Height)	440mm x 260mm x 45mm
Weight (Full-Loaded)	≤5kg
Environmental Requirements	Working temperature: -10°C~55°C
	Storage temperature: -40C~70C
	Relative humidity: 10%~90%, non-condensing

HSGQ-G16L

- 1U 19 inch
- AC Power AC/DC/AC+AC/AC+DC
- 16 * fixed GPON port
- 4*GE COMBO port, 2*10GE SFP+
- 1* console port, 1*ETH port

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

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