

SHENZHEN HCK Technology Ltd.

GP5800 Series Pizza Box GPON OLT with 10G SFP+ uplink

Product Overview

GP5800 is highly integrated, medium-capacity GPON OLT for operators, ISPs, enterprises and park applications. The GP5800 follows the ITU-T G.984/G.988 technical standard, and has good openness, strong compatibility, high reliability, and complete software functions. It can be widely used in operators' FTTH access, VPN, government and enterprise park access, campus network access, ETC.

GP5800 is only 1U in height, easy to install and maintain, and save space. Supports mixed networking of different types or brands of ONU, which can save a lot of costs for operators.

Key Features

- Rich Layer 2/3 switching features and Flexible management methods
- Support multiple link redundancy protocols such as FlexLink/STP/RSTP/MSTP/ERPS/LACP
- Support RIP、OSPF、BGP、ISIS and IPV6
- Safe DDOS and virus attack protection
- Support Power redundancy backup, Modular power supply
- Support power failure alarm
- Type C management interface

Product Interface





GP5800-08

- 8*GPON Port
- 4*10/100/1000M Base-T
- 4*1000M Base-X SFP/4*10GE SFP+
- 19" Rack-mount (440mm*44mm*260mm)



GP5800-16

- 16*GPON Port
- · 8*10/100/1000M Base-T
- 4*1000M Base-X SFP/4*10GE SFP+
- 19" Rack-mount (440mm*44mm*320mm)

Hardware Specification

Attributes	GP5800-04	GP5800-08	GP5800-16
	4*GPON Port,	8*GPON Port,	16*GPON Port,
Interface	4*10/100/1000M Base-T,	4*10/100/1000M Base-T,	8*10/100/1000M Base-T,
Interface	4*1000M Base-X SFP/4*10GE	4*1000M Base-X	4*1000M Base-X
	SFP+	SFP/4*10GE SFP+	SFP/4*10GE SFP+
Exchange Capacity	103Gbps	118Gbps	156Gbps
Forwarding Rate	76.632Mpps	87.792Mpps	116.064MppS

Memory and Storage	DRAM: 2GB, Flash: 8GB		
Management Port	Console, MGMT	Console, Typ	be C, MGMT
	Comply with ITU-TG.984/G.988 standard		
	60KM transmission distance; 1:128 Max splitting ratio		
PON	Standard OMCI management function		
	Open to any brand of ONT		
	ONU batch software upgrade		
Weight	3.5kg	5kg	6.5kg
Fan	Fixed fans (3 fans) Fixed fans (4 fans)		
Power	AC: 100~240V 47/63Hz;		
	DC: 36V ~ 75V;		
Power Consumption	≤40W	≤55W	≤65W
Dimensions	440mm*200mm*44mm	440mm*260mm*44mm	440mm*320mm*44mm
(W *D *H)	44011111 20011111 4411111	44011111 20011111 4411111	44011111 52011111 4411111
Environment	Working Temperature: -10℃ ~ 55℃		
Temperature	Storage temperature: -40°C ~ 70°C		
Farring and and the set of the	Operating humidity: 10% ~ 95% (non-condensing)		
Environment Humidity	Storage humidity: 10% ~ 95% (non-condensing)		
Environment Friendly	China RoHS, EEE		

Software Specification

Attributes	GP5800-04	GP5800-08	GP5800-16
	Support 4K VLAN		
VLAN	Support VLAN based on port, MAC and protocol		
	Support dual Tag VLAN, port-based static Q-in-Q and flexible Q-in-Q		
	64K Mac address		
MAC	Support static MAC address set	ting	
MAC	Support black hole MAC addres	s filtering	
	Support port MAC address limit		
	Support STP/RSTP/MSTP		
Ring Network Protocol	Support ERPS Ethernet ring network protection protocol		
	Support Loopback-detection port loopback detection		
	Support two-way bandwidth co	ntrol	
Port Control	Support port storm suppression		
	Support 9K Jumbo ultra-long fra	ame forwarding	
	Support static link aggregation		
Port Aggregation	Support dynamic LACP		
	Each aggregation group supports a maximum of 8 ports		

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Mirroring Support stream mirroring Support stream mirroring ACL Support standard and extended ACL ACL Support ACL policy based on time period Provide flow classification and flow definition based on IP header information such as source/destination MAC address, VLAN, 802.1p, ToS, DSCP, source/destination IP address, L4 port number, protocol type, etc. Support flow rate limiting function based on custom business flow Support smirroring and redirection functions based on custom business flows Support priority marking based on custom service flow, support 802.1P, DSCP priority Remark capability Support port-based priority scheduling function, support queue scheduling algorithms such as SP/WRR/SP+WRR Support priority marking based on custom service flow, support 802.1P, DSCP priority Remark capability Support port-based priority scheduling function, support queue scheduling algorithms such as SP/WRR/SP+WRR Support Queue scheduling algorithms such as SP/WRR/SP+WRR Support IEEE 802.1X authentication Support IEEE 802.1X authentication Support provi isolation Support IPS cource Guard Support ARP flood suppression and ARP spoofing protection Support JPS outce Cuard Support ARP flood suppression and ARP spoofing protection Support VRP Support VRP Cut, Telnet, WEB, SNMP V1/V2/V3, SSH2.0 Support SNTP Support SNTP Suppor	COBOOT BATTACHEET	4
Support stream mirroring Support stream mirroring Support ACL policy based on time period Provide flow classification and flow definition based on IP header information such as source/destination MAC address, VLAN, 802.1p, ToS, DSCP, source/destination IP address, L4 port number, protocol type, etc. Support stream mirroring and redirection functions based on custom business flow Support priority marking based on custom business flows Support queue scheduling algorithms such as SP/WRR/SP+WRR Support lett B82.1X authentication Support broir to solation Support broir block address learning limit, support black hole MAC function Support broadcast message rate suppression Support toroute RIP/OSPF/BGP/ISIS Support VRRP CL, Telnet, WEB, SNMP V1/V2/V3, SSH2.0 Support SNTP Support RNDN Support SNTP	Minnoning	Support port mirroring
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Support LLDP neighbor device discovery protocol Support 802.3ah Ethernet OAM Support RFC 3164 Syslog		Support SNTP
Support 802.3ah Ethernet OAM Support RFC 3164 Syslog		Support system work log
Support RFC 3164 Syslog		Support LLDP neighbor device discovery protocol
		Support 802.3ah Ethernet OAM
Support Ping and Traceroute		Support RFC 3164 Syslog
		Support Ping and Traceroute

Purchase Info

Model Number	Description
GP5800-04	4*PON port, 4*10GE/GE SFP + 4*GE RJ45, with AC/DC optional dual power
GP5800-08	8*PON port, 4*10GE/GE SFP + 4*GE RJ45, with AC/DC optional dual power
GP5800-16	16*PON port, 4*10GE/GE SFP + 8*GE RJ45, with AC/DC optional dual power

Solution Display

