

GL5610(V3) Smart Cassette GPON OLT

Product Overview

GL5610 is a small-capacity cassette GPON OLT, meeting the requirements of *ITU-T G.984/G.988* and relative standards of *China Telecom/Unicom GPON*, with super GPON access capacity, carrier-class reliability and the complete security function. It can satisfy long-distance optical fiber access requirement on account of its excellent management, maintenance and monitoring capability, abundant service features and flexible network mode. GL5610 can be used with NGBNVIEW network management system so as to provide users with the comprehensive access and perfect solution.

GL5610 provides 8/16 * downlink GPON port, 4 *GE combo port and 2* 10G SFP+ port. The height is only 1U for easy installation and space saving. GL5610 is suitable for Broadcast *three in one*, video surveillance network, enterprise LAN, Internet of Things, etc.

GL5610-04P(V3)



- 1RU19 inch
- 1+1 power redundancy
- 4 * fixed GPON port
- 4*GE COMBO port, 2*10GE SFP+ port

GL5610-08P(V3)



- 1RU19 inch
- 1+1 power redundancy
- 8 * fixed GPON port
- 4*GE COMBO port, 2*10GE SFP+

Product Specification:

Item	GL5610-04P(V3)	GL5610-08P(V3)
Switching Capacity	63Gbps	78Gbps
Forwarding Capacity(Ipv4/Ipv6)	50.592Mpps	65.472Mpps
Service Port	4*PON port, 4*GE COMBO port, 2*10GE SFP+ port	8*PON port, 4*GE COMBO port, 2*10GE SFP+ port
Redundancy Design	Dual power supply Support double AC input, double DC input and AC+DC input	
Power Supply	AC: input 90~264V 47/63Hz; DC: input -36V~-72V;	
Power Consumption	50W	
Dimensions (Width x Depth x Height)	437mmx44mmx280mm	
Weight (Full-Loaded)	≤5KG	
Environmental Requirements	Working temperature: -10°C~55°C Storage temperature: -40°C~70°C Relative humidity: 10%~90%, non-condensing	

Product Features:

Item	GL5610-04P/08P(V3)	
PON Features	ITU-TG.984.x; SN/Password/SN+ Password/LOID/LOID Password/LOID+LOID Password authentication modes; Terminal access up to 60km on a single fiber; 1:64 split ratio on single PON port, scalable to 1: 128 split ratio; DBA algorithm, and the particle is for 64Kbit/s; Standard OMCI management function; ONU batch software upgrade; PON port optical parameter detection;	
L2 Features	MAC	MAC Black Hole; Port MAC Limit;

		32K MAC (packet exchange chip cache 2MB);
	VLAN	4K VLAN entries; Port-based VLAN classification; Uplink static QinQ and flexible QinQ(Stack VLAN); Uplink VLAN Swap and VLAN Remark; GVRP;
	Spanning Tree	STP/RSTP/MSTP; Remote loop detecting;
	Port	Bi-directional bandwidth control; Support static and LACP dynamic port aggregation; Port mirroring;
Security Features	User's Security	Anti-ARP-spoofing; Anti-ARP-flooding; IP Source Guard for creating IP+ VLAN+ MAC+ Port binding; Port Isolation; MAC address binding to the port and MAC address filtering; IEEE 802.1x and AAA/Radius authentication;
	Device Security	Support the control layer to prevent a variety of DOS attacks and virus attacks against the CPU; SSHv2 Secure Shell; SNMP v3 encrypted management; Login Security IP via Telnet; Hierarchical management and password protection of users;
	Network Security	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; URPF to prevent IP address counterfeit and attack; DHCP Option82 and PPPoE+ upload user's physical location Plaintext authentication of OSPF, RIPv2 and BGPv4 packets and MD5cryptograph authentication;
Service Features	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;

	QoS	<p>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;</p> <p>CAR(Committed Access Rate),Traffic Shaping and flow statistics;</p> <p>Packet mirror and redirection of interface and self-defined flow;</p> <p>Supports priority marking of ports or custom flows and provides 802.1p, DSCP-priority Remark capability;</p> <p>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;</p> <p>Congestion Avoidance Mechanism, including Tail-Drop and WRED;</p>
	IPv4	<p>ARP Proxy;</p> <p>DHCP Relay;</p> <p>DHCP Server;</p> <p>Static Routing;</p> <p>RIPv1/v2;</p> <p>OSPFv2/V3;</p> <p>Equal-cost multi-path routing;</p> <p>Policy-based routing;</p> <p>Routing policy</p>
	IPv6	<p>ICMPv6;</p> <p>ICMPv6 Redirection;</p> <p>DHCPv6;</p> <p>ACLv6;</p> <p>IPv6 and IPv4 dual stack;</p>
	Multicast	<p>IGMPv1/v2/v3;</p> <p>IGMPv1/v2/v3 Snooping;</p> <p>IGMP Filter;</p> <p>MVR and cross VLAN multicast copy;</p> <p>IGMP Fast leave;</p> <p>IGMP Proxy;</p> <p>PIM-SM/PIM-DM/PIM-SSM;</p> <p>MLDv2/MLDv2 Snooping;</p>
Reliability	Loop Protection	<p>ERRP or ERPS;</p> <p>Loopback-detection;</p>
	Link Protection	<p>FlexLink (recover-time <50ms);</p> <p>RSTP/MSTP (recover-time <1s);</p> <p>LACP (recover-time <10ms);</p> <p>BFD;</p>
	Device Protection	<p>VRRP host backup;</p> <p>1+1 power hot backup;</p>

Maintenance	Network Maintenance	Port real-time, utilization and transmit/receive statistic RFC3176 sFlow analysis; LLDP; GPON OMCI; Data Logging and RFC 3164 BSD syslog Protocol; Ping and Traceroute;
	Device Management	Console port, Telnet, SSH management; Out-band management; SNMPv1/v2/v3; RMON (Remote Monitoring)1,2,3,9 groups MIB; NTP; NGBNView network management; Power Failure Alarm;

Purchase Information:

Item	Product Description
GL5610-04P(V3)	4*PON port, 4*GE COMBO port, 2*10GE SFP+ port, double AC/DC power supply
GL5610-08P(V3)	8*PON port, 4*GE COMBO port, 2*10GE SFP+ port, double AC/DC power supply
NG01PWR150AC	GL5610,150W AC 220Vpower module
NG01PWR72DC	GL5610, 72W DC -48V power module
NG01FAN56A	GL5610 hot-swappable fan module;