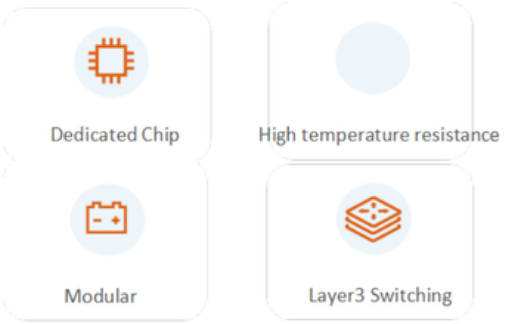
OLT 1008GEA (Exterior)

Overview:

OLT1008GEA GPON OLT is a field-type central office equipment. The product adopts cast aluminumshell, whichhasgood heat dissipation and shielding effect. The equipment is flexible to use and easy to deploy, meetingtherequirements of equipment performance in outdoor environment.

The device provides 2 uplink GE ports, 2 uplink SFP ports, 2*10GE uplink ports and 8 GPON ports, 1in-bandmanagement port, 1 out-band management port, and supports dual power supply configuration.

The maximum split ratio of each GPON optical port is 128, and the system can support up to 1024ONUs. Theproduct is suitable for FTTH access, video surveillance network, enterprise LAN, Internet of Things andothernetwork applications of operator networks, and has a high cost performance.







Specifications

Functional Feature

- Meet ITU-T G.984/G.988 standard and relative GPON standards of Chinese Communication Industry
- Support OMCI Protocol
- Complete PON protection switching function
- Layer 2 Switching Function

OLT equips with very powerful layer 2 Full Wire Speed Switching and completely supports layer 2 protocol. OLT supports varieties of layer 2 functions like TRUNK, VLAN, LACP, rate limit, port isolate, queue technology, flow control technology, ACL and so on, which provides technical guarantee for the development of multi-service integrated.

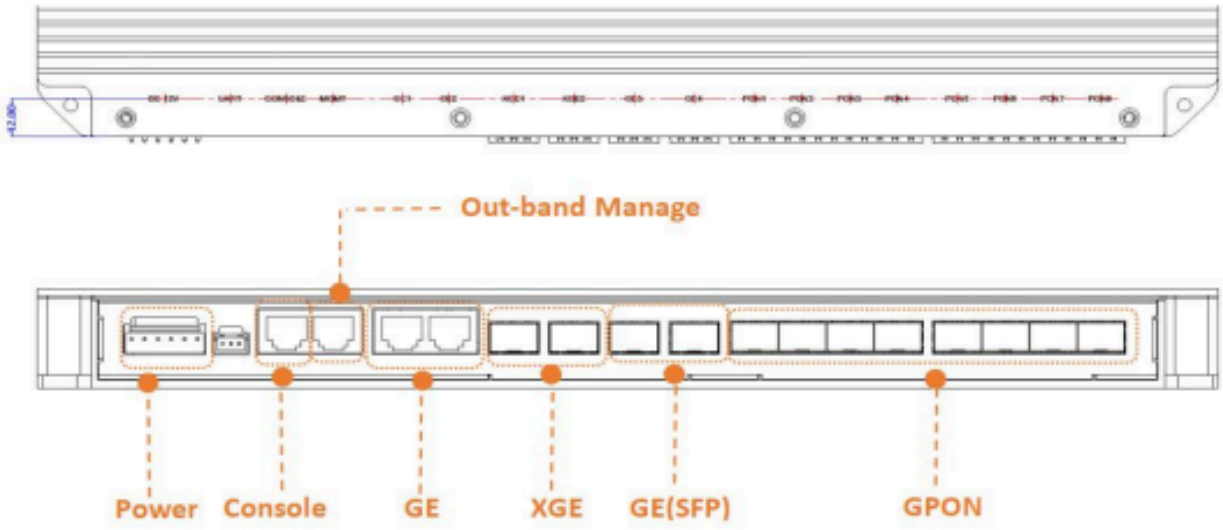
- QOS Guarantee

GPON Products maintains fully-improved DBA with excellent Qos service capabilities. DBA meets different Qos requirements from different service flow in latency, jitter, packet loss rate.

- Easy-to-Use Management System

Support management method of CLI, WEB, SNMP, TELNET, SSH and meet OMCI standard, through OMCI channel protocol service management can be realized, including ONT function parameter set, T-CONT business lines and amount, Qos parameters, configuration information request, performance statistics, auto-reporting of running events in system, configuration for ONT from OLT, fault diagnosis and management of performance and safety.

Product Interface



Specifications

ITEM		OLT1008GEA	
Management Rack	Type	Field type slave equipment,Cast aluminum housing	
Uplink Port		2* 10/100/1000M auto-negotiation Ethernet ports	
		2 SFP interfaces	
		2 SFP+ interfaces	
PON Port	Quantity	8	
	Physical interface	SFP slot	
	Interface type	GPON: ITU-TG.984.2 Class B+/Class C+	
	Max splitting ratio	GPON: 1:128	
Management Port		1 100/1000BASE-Tx out-band Ethernet port 1 CONSOLE local management port	
PON Port attribute	Transmission distance	20KM	
	Port rate	GPON: Downstream: 2.5Gbps Upstream: 1.25Gbps	
	Wavelength	Forwarding: 1490nm Receiving: 1310nm	
	Interface type	SC/UPC	
	Fiber type	9/125 μ m SMF (Single Mode Fiber)	
	Light transmission power	Class B+ +1.5～+5dBm	Class C+ +3～+7dBm
	Receiving sensitivity	Class B+ : -28dBm	Class C+ : -30dBm
	Saturation power	Class B+ -8dBm	Class C+ -12dBm
Network management method		Support CLI、SNMP、TELNET、SSH、WEB	
Business capabilities		Support device log, device upgrade, device management, condition monitoring, configuration management, and user management. Layer 2 switching configuration management: Like port management, VLAN, RSTP, IGMP, ACL, QOS and so on. PON function configuration management: Like OLT authentication, DBA template, service template, line template and so on. Layer 3 function: support static routing, dhcp-relay and vlanif configuration	
Backplane Bandwidth		78G	
Size		385mm(L)*306.95mm(W)*180mm(H)	
Weight		12.6KG	
Power supply	220VAC	AC: 100V～240V，50/60Hz	
Working environment	Working temperature	-40~65℃	
	Storage temperature	-40～85℃	
	Relative humidity	5～90% (Non-condensing)	

Specifications

EYDFA Specifications

Description	Value	Unit	Condition/content
Optical characteristics			
Work wavelength	1540 ~ 1563	nm	Single wavelength
Input optical power	-5 ~ 10	dBm	
Output optical power	+27 ~ 38	dBm	
Number of output port	8 ~ 64	PCS	
Output power per port	+16 ~ 23	dBm	Customizable
Output power adjustable range	-6 ~ 0	dBm	
Output optical power stability	±0.5	dB	
Polarization sensitivity	0.2	dB	
Polarization mode dispersion	0.5	PS	
Noise Figure	<5.5	dB	Input 3 dBm
Input and output pump light leakage	<-35	dBm	
Input reverse noise power	<-30	dBm	
Input and output reflection loss	> 45	dB	
Fiber optical connector	SC/APC or LC/APC		Optional
RF characteristics			
Carrier-to-noise ratio（CNR）	≥51	dB	EYDFA input optical power +5dBm, standard optical transmitter, 20km optical fiber (input 20km optical fiber power is not more than 16.5dBm), ambient temperature 25 ° C, in AGC mode, 59 PAL-D carriers, modulation per channel is 4.0%, optical receiver input optical power is 0dBm.
Secondary distortion（CSO）	≥60	dB	
Triple distortion（CTB）	≥65	dB	
RF monitoring port type	TVK		
RF monitoring port output level	≥78	dBuV	

Specifications

Power supply requirements			
Voltage	100V～240V	VAC	For 220VAC power supply.
Working frequency	50 ~ 60	Hz	For 220VAC power supply.
Environmental parameters			
Range of working temperature	-40~65℃	℃	
Storage temperature range	-40～85℃	℃	
Storage relative humidity	≤95	%	No condensation

Typical Application

