

## Introduction

L3 GEAPON OLT products are 1U height 19 inch rack mount products. The features of the OLT are small, convenient, flexible, easy to deploy, high performance. It is appropriate to be deployed in compact room environment. The OLTs can be used for “Triple-Play”, VPN, IP Camera, Enterprise LAN and ICT applications.

### GEAPON-4OLT-L3

GEAPON-4OLT-L3 provides 4GE(copper) and 4SFP slots independent interface for uplink, and 4\*GEAPON OLT ports for downstream. It can support 256 ONUs under 1:64 splitter ratio.

### GEAPON-8OLT-L3

GEAPON-8OLT-L3 provides 8GE(copper) and 8SFP slots independent interface for uplink, and 8\*GEAPON OLT ports for downstream. It can support 512ONUs under 1:64 splitter ratio.

## Technical Specifications

Item		GEAPON-4OLT-L3	GEAPON-8OLT-L3
Chassis	Rack	1U 19 inch standard box	1U 19 inch standard box
1000M Uplink Port	QTY	8	16
	Copper	4*10/100/1000M auto-negotiation	8*10/100/1000M auto-negotiation
	SFP (independent)	4*SFP	8*SFP Or 4*SFP and 4SFP+
EPON Port	QTY	4	8
	Physical Interface	SFP Slots	SFP Slots
	Connector Type	1000BASE-PX20+	1000BASE-PX20+
	Max splitting ratio	1:64	1:64
Management Ports		1*10/100BASE-T out-band port, 1*CONSOLE port	
PON Port Specification	Transmission Distance	20KM	
	EPON port speed	Symmetrical 1.25Gbps	
	Wavelength	TX 1490nm, RX 1310nm	
	Connector	SC/PC	
	Fiber Type	9/125µm SMF	
	TX Power	+2~+7dBm	
	Rx Sensitivity	-27dBm	
	Saturation Optical Power	-6dBm	
Management Mode		SNMP, Telnet and CLI	
Management Function		Fan Group Detecting;	

	<p>Port Status monitoring and configuration management;            Layer2 switch configuration such as VLAN, Trunk, RSTP, IGMP, QOS, etc;            EPON management function: DBA,ONU authorization, ACL, QOS, etc;            Online ONU configuration and management;            User management;            Alarm management.</p>
Layer2 Switch	<p>Support port VLAN and protocol VLAN;            Support 4096 VLANs;            Support VLAN tag/Un-tag ,VLAN transparent transmission, QinQ;            Support IEEE802.3d trunk;            Support RSTP;            QOS based on port, VID, TOS and MAC address;            Access control list;            IEEE802.x flow control;            Port stability statistic and monitoring.</p>
Multicast	<p>IGMP snooping            256 IP Multicast Groups;</p>
DHCP	<p>DHCP server            DHCP relay            DHCP snooping</p>
Layer 3 Route	<p>Arp proxy            Static route            1024 hardware Host Routes;            512 hardware Subnet Routes;</p>

EPON Function	<p>Support port-based rate limitation and bandwidth control; In compliant with IEEE802.3ah standard; Up to 20KM transmission Distance; Support data encryption, multi-cast, port VLAN, separation, RSTP, etc; Support Dynamic Bandwidth Allocation (DBA); Support ONU auto-discovery/link detection/remote upgrade of software; Support VLAN division and user separation to avoid broadcast storm; Support various LLID configuration and single LLID configuration; Different user and different service could provide different QoS by means of different LLID channels; Support power-off alarm function, easy for link problem detection; Support broadcasting storm resistance function; Support port isolation between different ports; Support ACL and SNMP to configure data packet filter flexibly;</p>
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		Specialized design for system breakdown prevention to maintain stable system; Support dynamic distance calculation on EMS online; Support RSTP, IGMP Proxy.	
Dimension(L*W*H)		442mm*200mm*43.6mm	442mm*320mm*43.6mm
Weight		4.2kg	4.5kg
Power Supply	220VAC	AC:90~264V, 47/63Hz	Double Hot Backup
Power Consumption		30W	45W
Operating Environment	Working Temperature	-10~+55°C	
	Storage Temperature	-40~+85°C	
	Relative Humidity	5~90% (non-conditioning)	