

**SyRotech**

**GEPON-4 OLT-L3**



**SY-GOPON-4OLT-L3**

## Overview:

L3 EPON 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.

## Features:

- ☞ Provides 4GE(copper)
- ☞ 4SFP/4SFP+ slots independent interface for uplink
- ☞ 4\*EPON OLT ports for downstream.
- ☞ It can support 256 ONUs under 1:64 splitter ratio

## Specifications:

Item		GOPON-4OLT-L3
Chassis	Rack	.1U 19 inch standard box.
1000M Uplink	QTY	8
Port	Copper	4*10/100/1000M auto- negotiation

	SFP (independent)	4*SFP/4*SFP+
EPON Port	QTY	4
	Physical Interface	SFP Slots
	Connector Type	1000BASE-PX20+
	Max splitting ratio	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; 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.
Layer2 Switch	Support port VLAN and protocol VLAN; Support 4096VLANs; 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.
Multicast	.IGMP snooping 256 IP Multicast Groups;
DHCP	.DHCP server DHCP relay DHCP snooping
Layer 3 Route	Arp proxy Static route 1024 hardware Host Routes; 512 hardware Subnet Routes;
EPON Function	Support port-based rate limitation and bandwidth control; In compliant with IEEE802.3ah standard; Up to 20KM transmission Distance; Support data encryption, multi-cast,

	<p>port VLAN, separation, RSTP, etc.;</p> <p>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>
	<p>Specialized design for system breakdown prevention to maintain stable system; Support dynamic distance calculation on EMS online; Support RSTP, IGMP Proxy.</p>
.Dimension (L*W*H)	442mm*200mm*43.6mm
Weight	4.2kg

Power Supply	220V AC	AC:90~264V, 47/63Hz
Power Consumption		30W
Operating Environment	Working Temperature	-10~+55°C
	Storage Temperature	-40~+85°C
	Relative Humidity	5~90%(non-conditioning)