

# 8 PON PORT GPON OLT

S-OLT-GPON-8OLT-L3S  
S-OLT-GPON-8OLT-L3D



## Overview:

8 PON Port S-OLT-GPON-8OLT-L3S GPON 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.

## Functional Characteristics:

### Satisfactory Standard

- Meet ITU-T G984/G.988 standard

### L3 OLT

- Support static route RIP v1/v2, OSFP v2(optional)

### Fully Open Platform

- Open to any brand of ONU

### Management Mode

- SNMP, Telnet, CLI, WEB

### Management Function

- Fan Group Control
- Port Status monitoring and configuration management
- Online ONT configuration and management
- User management
- Alarm management

### Multicast

- IGMP snooping
- 256 IP Multicast Group

### DHCP

- DHCP server
- DHCP relay
- DHCP snooping

### Easy to Manage

- Friendly EMS/Web/Telnet/CLI/SSH management
- CLI command style similar to mainstream manufacturers

### High performance cost

- 1U height compact design
- Adopt mainstream chip scheme

### Layer2 Switch

- 16K Mac address
- Support 4096 VLANs
- Support port VLAN and protocol VLAN
- Support VLAN tag/Un-tag ,VLAN transparent transmission
- Support VLAN translation and QinQ
- Support storm control based on port
- Support port isolation
- Support port rate limitation
- Support 802.1D and 802.1W
- Support static LACP
- QoS based on port, VID, TOS and MAC address
- Access control list
- IEEE802.x flow control
- Port stability statistic and monitoring

## GPON Function

- Tcont DBA
- Gempport traffic
- In compliant with ITUT984.x standard
- Up to 20KM transmission Distance
- Support data encryption, multi-cast, port VLAN, separation, RSTP, etc
- Support ONT auto-discovery/link detection/remote upgrade of software
- Support VLAN division and user separation to avoid broadcast storm
- 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
- Specialized design for system breakdown prevention to maintain stable system
- Support RSTP, IGMP Proxy

## Layer 3 Route

- ARP proxy
- Static route
- 1024 hardware Host Routes
- 512 hardware Subnet Routes

## EMS

### Key Features

- Support C/S & B/S architecture
- Support auto topology or modify manually
- Add Trap Server to detect ONU automatically
- EMS can add and configure ONU automatically
- Add ONU position information
- Support EMS APP

Specification		S-OLT-GPON-8OLT-L3S / S-OLT-GPON-8OLT-L3D
Chassis	Rack	1U 19 inch standard box
1G/10G Uplink Port	QTY	8
	Copper 10/100/1000M auto-negotiation	4
	SFP 1GE	2
	SFP+ 10GE	2
GPON Port	QTY	8
	Physical Interface	SFP Slot
	Connector Type	Class C+
	Max splitting ratio	1:128
Management Ports		1*10/100BASE-T out-band port, 1*CONSOLE port
PON Port Specification(Class C+ module)	Transmission Distance	20KM
	GPON port speed	Upstream 1.244G, Downstream 2.488G
	Wavelength	TX 1490nm, RX 1310nm
	Connector	SC/UPC
	Fiber Type	9/125μm SMF
	TX Power	+3 ~ +7dBm
	Rx Sensitivity	-30dBm
Saturation Optical Power	-12dBm	
Dimension(L*W*H)		442*220*43.6mm
Weight		3.1kg
AC Power Supply		AC:100 ~ 240V, 47/63Hz
DC Power Supply(DC:-48V)		√
Double Power Module Hot Backup		√
Power Consumption		45W
Operating Environment	Working Temperature	0°C +50°C
	Storage Temperature	-40°C~+85°C
	Relative Humidity	5 ~ 90%(non-conditioning)

# Typical Application

