

16 PON PORTS EPON OLT

S-OLT-EPON-16OLT-L3D
(Dual Power Supply)



Overview:

S-OLT-EPON-16OLT-L3D 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.

Functional Characteristics:

Satisfactory Standard

- Meet IEEE802.3ah standards

Support IPv6 Function

- Support DN, IPv6 Ping, IPv6 Telnet
- Support ACL based on source IPv6 address, destination Ipv6 address, L4 port, protocol type, etc.
- Support MLD v1/v2 snooping

IP Route

- Support static route, dynamic route RIP v1/v2, OSPF v2

Easy to Manage

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

Fully open platform

- Open to any brand of ONU

High performance cost

- 1U height compact design, Adopt mainstream chip scheme

Management Mode

- SNMP, Telnet, CLI, WEB, SSH v1/v2

Management Function:

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

Layer2 Function

- 16K Mac address
- 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
- IEEE802.x flow control
- Port stability statistic and monitoring
- Support P2P Function

Multicast

- IGMP snooping
- 256 IP Multicast Groups

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, port VLAN, separation, RSTP, etc.
- Support Dynamic Bandwidth Allocation (DBA)
- Support ONU auto-discovery/link detection/remote upgrade of software

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 A

- 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
- Specialized design for system breakdown prevention to maintain stable system
- Support dynamic distance calculation on EMS online

Specification		S-OLT-EPON-16OLT-L3D (Dual Power Supply)
Appearance	Rack	1U 19 inch standard box
1G/10G Uplink Port	QTY	12
	Copper 10/100/1000M auto-negotiation	4
	SFP 1GE	4
	SFP+ 10GE	4
EPON Port	QTY	12
	Physical Interface	SFP Slot
	Module Type	Px20+, PX20++
	Max splitting ratio	1:64
	Transmission speed	Up and Down Symmetrical 1.25Gbps
Management Interface		1*10/100M Ethernet out-of-band management port
		1*Console Port
Management Mode		Support EMS Management Platform
		Support Telnet, CLI, WEB, SSH
Layer 2 Function		Support Port VLAN, Protocol VLAN
		Support VLAN TAG/UNTAG, VLAN transform, VLAN transparent
		Support 4096 VLAN
		Support IEEE802.3ad Link Aggregation
		Support IGMP Snooping
		Support RSTP
		Support QoS based on port, VID, TOS and MAC address
		Support IEEE802.x Flow Control
		Support Port Stability Statistic and Monitoring
Layer 3 Function		Support Dynamic Routing RIP v1/v2
		Support Dynamic Routing OSPF
PON Port Function		Conform to IEEE802.3ah International Standard
		Conform to China CTC2.1/3.0 Standard
		Support ONU Uplink and Downlink Speed Limiting Functions
		Support ONU Auto-discovery/Link Detection/Remote Upgrade of Software
		Support Various LLID Configuration and Single LLID Configuration
	Support Broadcast Storm Suppression	

PON Port Function	Support Port Isolation Between Different Ports	
	Support ACL and SNMP to Configure Data Packet Filter Flexibly	
	Support Dynamic Distance Calculation on EMS Online	
	Support Credit Time Control, CATV Management Special Function	
Dimension(L*W*H)(mm)	442*320*43	
Weight(kg)	6.5	
Power Input	Power Input AC 100 ~ 240V, 50/60Hz	
	DC -48V	
Dual Power Backup	Support	
Max Power Consumption(W)	95	
Environmental Requirement	Operating Temperature	0 ~ +50°C
	Storage Temperature	-40 ~ +85°C
	Relative Humidity	5 ~ 90%(non-condensing)
Order Information		
V1600D16 Single AC Power	16*EPON+4*1GE(RJ45)+4*1GE(SFP)+4*10GE(SFP+)	
	Single AC Power	
V1600D16 Dual AC Power	16*EPON+4*1GE(RJ45)+4*1GE(SFP)+4*10GE(SFP+)	
	Dual AC Power	
V1600D16 Single AC and Single DC Power	16*EPON+4*1GE(RJ45)+4*1GE(SFP)+4*10GE(SFP+)	
	Single AC and Single DC Power	

Typical Application

