

TWO PORT GPON OLT SY-GPON-2OLT



OVERVIEW:

The Syrotech Networks GPON 2 Port 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

- Meet ITU-T G984/G.988 standards
- Friendly EMS/Web/Telnet/CLI management
- CLI command style similar to mainstream manufacturers Open to any brand of ONT
- 1U height compact design Adopt mainstream chipset

TECHNICAL SPECIFICATIONS


Item		
Chassis	Rack	1U 19Inch Standard Box
Uplink Port	QTY	4
	RJ45(GE)	2
	SFP(GE)/SFP+(10GE)	2
GPON Port	QTY	2
	Physical Interface	SFP Slots
	Supported PON module level	Class C++/Class C+++ /Class C++++
	Max splitting ratio	1:128
Management Ports	1*10/100/1000BASE-T out-band port, 1*CONSOLE port, 1*USB-COM, 1*USB2.0	
Backplane Bandwidth (Gbps)	208	
Port Forwarding Rate(Mpps)	40.176	
PON Port Specification (Class C+++)	Transmission Distance	20KM
	PON port speed	Upstream 1.244Gbps, Downstream 2.488Gbps
	Wavelength	TX 1310nm, RX 1490nm
	Connector	SC/UPC
	Fiber Type	9/125μ SMF
	TX Power	+4.5~+10dBm
	Rx Sensitivity	≤ -30dBm
	Saturation Optical Power	-12dBm
Management Mode	WEB , Telnet , CLI	

OTHER SPECIFICATIONS


Management Function	SNMPTelnet,CLI,WEB,SSH v2;
	Fan Group Control
	Port Status monitoring and configuration management
	Online ONT configuration and management
	User management
	Alarm management

Layer2 Switch	16K Mac address
	Support 4096 VLANs
	Support port 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,Dynamic LACP
	QoS based on port, VID, TOS and MAC address
	Access control list
	IEEE802.x flowcontrol
	Port stability statistic and monitoring

Multicast	IGMP snooping
	1K L2 Multicast Groups
	Profile Management
	ONT auto discovery
	Auto configure
	Auto upgrade
	Remove Config
	1K L3 Multicast Groups;
DHCP	DHCP server,DHCP relay,DHCP snooping
	DHCP option82
Layer 3 Route	ARP proxy
	16K hardware Host Routes,1024 hardware Subnet Routes
	Support static route ;
	Support Radius,Tacacs+
	Support static route ,dynamic route RIP v1/v2,RIPng and OS
Ipv6	Support NDP
	Support IPv6 Ping,IPv6 Telnet,IPv6 routing
	Support ACL based on source IPv6 address, destination IPv6 address, L4 port, protocol type, etc
	Support MLD v1/v2 snooping(Multicast Listener Discovery snooping)

GPON Function	Tcont DBA
	Gemport traffic
	In compliant with ITU-T G.984
	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 to configure data packet filter flexibly
	Specialized design for system breakdown prevention to maintain stable system

Dimension (L*W*H)	442mm*200mm*43.6mm
Weight	Net weight of single power: 2.485kg
Power Consumption	35W
Working Temperature	-20°C ~+60°C
Storage Temperature	-40~+70°C
Relative Humidity	5~95% (non-condensing)