

SY-GPON-16OLT



SY-GPON-16OLT High-Density Rack-Mounted

Overview :

Syrotech SY-GPON-16OLT series 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.

> Technical Parameters :

Attributes	SY-GPON-16OLT	
System Capacity	Maximum coupling ratio: 1:128	
	Backplane bandwidth:208Gbps	
	MAC table capacity: 32K	
	Switching capacity: 168Gbps	
Interface	PON	16
	Uplink	4*1Gig(Copper Ports) + 4*1/10Gig(SFP/SFP+ Ports)
		Support Uplink 1.25g and 10G sfp transceivers 850/1310/1550nm
Attributes of the PON Interface		The transmission rate with downlink 2.5Gbps/uplink
		1.25Gbps
		Class B+ and Class C+ GPON module
		Security: ONU authentication mechanism
Standards		ITU-T G.984/G.988
		IEEE 802.1D, Spanning Tree
		IEEE 802.1Q, VLAN
		IEEE 802.1w, RSTP
		IEEE 802.3ad physical link static/dynamic aggregation
		Support OMCI Encryption enabled / disabled for ONT
		Support OMCI authentication for ONT
		(LACP)
QoS		Ethernet – II
		Backpressure flow control (half duplex)
		IEEE 802.3x flow control (full duplex)
		IEEE 802.1p, CoS
		WRR, SP and FIFO queue schedule
		Limiting the uplink/downlink rate based on each ONU
VLAN		Port-based VLAN, 4K VLAN
		QinQ and flexible QinQ
Multicast		L2 Multicast
		IGMP Snooping
		MLD Snooping
Reliability		Unidirectional Link Detection (UDLD)
		Hot swap of the GPON optical module
		Optical path protection of GPON (type B)
		Abnormal luminescence ONU detection such as long
		luminescence
DHCP		DHCP Server,DHCP relay,DHCP Snooping,DHCP Option 82

> Specifications:

Network Security	Limiting the maximum number of users on each port
	Port isolation
	Packet storm control
	Flow-based ACL access control function
	Transmission data encryption on the
	PON interface
	Supports TACAS+
Configuration Management	Various management modes such as CLI, SNMP and TELNET
	Conducting software upgrade through
	TFTP
	Debug output
Physical Characteristics	Dimensions mm (W×D×H): 442x319x 43.6
	Installation: standard 19-inch rack-mounted
	Weight: 6.4Kg
Environment	Operating environment: 0°C-45°C; 10%-85% non-condensing
	Storage environment: -40°C-80°C; 5%-95% non-condensing
Power Supply	Input voltage: AC90 ~ 240V, DC 36 ~ 72V
	dual-power input, DC/AC power supply and hot-swap

> Ordering Information:

Model	Description
SY-GPON-16OLT	GPON-16OLT, IU chassis, 16 Fixed PON slots
	4*1Gig(Copper Ports) + 4*1/10Gig(SFP/SFP+ Ports)
	CLI,EMS, 1:128 splitting ratio and with 16xC++ PON SFP