

1U 8 PON EPON OLT

The main features of the 1U high 19 inch rack mount OLT are small, convenient, flexible, easy to deploy, with high performance. It is proved to be appropriate to deploy in an compact room environment. This series of OLT can be used in “Triple-Play”, CPN, IP Camera, Enterprise LAN and IOT applications.

8PON Ports 1U OLT



8PON Ports 1U Pizza-Box OLT provides 8GE(copper) and 8SFP slots Combo interface for uplink, and 8 EPON ports for downstream. It can support 256 ONU under 1:64 splitter ratio.

Specifications

Item		4 PON Ports OLT	8 PON Ports OLT
Chassis	Rack	1U 19 inch standard box	1U 19 inch standard box
	Slots	NA	NA
Uplink Port	QTY	8	16
	Copper	10/100/1000M auto-negotiable, RJ45:8pcs	10/100/1000M auto-negotiable, RJ45:8pcs
	SFP	4 SFP slots (Combo)	8 SFP slots (Combo)
PON Port	QTY	4	8
	Physical Interface	SFP Slots	SFP Slots
	Connector Type	1000BASE-PX20+	1000BASE-PX20+
	Max splitting ratio	1:64	1:64
Management Ports		1*100BASE—TX outband port 1 CONSOLE port	
PON Port Specification (Apply to PON Module)	Transmission Distance	20KM	
	PON port speed	Symmetrical 1.25Gbps	
	Wavelength	1490nm TX, 1310nm RX	
	Connector	SC/PC	
	Fiber Type	9/125μm SMF	
	TX Power	+2~+7dBm	

	Rx Sensitivity	-27dBm	
	Saturation Optical Power	-6dBm	
Management Mode		SNMP,Telnet,CLI management mode.	
Management Function		Fan Group Detecting Port Status monitoring and configuration management; Layer-2 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	
Layer-two Switch		Support port VLAN and protocol Vlan Support Vlan tag/Untag ,vlan transparent transmission; Support 4096 VLAN Support 802.3dd trunk RSTP QOS based on port ,VID,TOS and MAC address IGMP Snooping 802.x flow control Port stability statistic and monitoring	
EPON Function		Support port-based rate limitation and bandwidth control; In compliant with IEEE802.3ah Standard Up to 20KM transmission Distance Support data encryption, group broadcasting, port Vlan separation , RSTP, etc. 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 Specialized design for system breakdown prevention to maintain stable system Support dynamic distance calculation on EMS online Support RSTP,IGMP Proxy	
Dimension		442mm(L)*315mm(W)*44mm(H)	
Weight		4.2kg	4.5kg
Power	220VAC	AC: 90V~240V, 47/63Hz	
Supply	-48DC	DC:-36V~-72V	
Power Consumption		45W	48W
Operating	Working Temperature	0~50℃	
Environmen	Storage Temperature	-40~85℃	
t	Relative Humidity	5~90%(non-condensing)	