1U Pizza-Box OLT Series

Pizza-Box OLT series products is 1U high 19 inch rack mount product. The features of the OLTare small, convenient, flexible, easy to deploy, high performance. It is appropriate to deploy in an compact room environment.

The OLT can use for "Triple-Play", CPN, IP Camera, Enterprise LAN and IOT applications. It is a high performance products.

FD1104S 4PON Ports 1U Pizza-Box OLT

FD1104S provides 4GE(copper)and 4SFP slots Combo interface for uplink, and 4 EPON ports for downstream. It can support 256 ONU under 1:64 splitter ratio.

FD1108S 8PON Ports 1U Pizza-Box OLT

FD1108S provides 8GE(copper)and 8SFP slots Combo interface for uplink, and 8 EPON ports for downstream. It can support 512 ONU under 1:64 splitter ratio.

Specifications

Item		FD1104S	FD1108S
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）	8SFP 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 1CONSOLE port	
PON Port Specification（Apply to C-DataPON 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	+2.5～+7dBm	
	Rx Sensitivity	-27dBm	
	SaturationOptical 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 Vlanseparation ,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		
Backplane Bandwidth	16G	32G	
Dimension	440*280*44(mm*mm*mm）		
Weight	4.2kg	4.5kg	
Power Supply	220VAC	AC: 90V～240V，47/63Hz	
	-48DC	DC:-36V～-72V	
Power Consumption	30W	45W	
Operating Environment	Working Temperature	0～50℃	
	Storage Temperature	-40～85℃	
	Relative Humidity	5～90%(non-condensing)	