

1U Pizza-Box OLT Series

Pizza-Box OLT series products is 1U high 19 inch rack mount product. The features of the OLT are 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.

WK-OLT-4P 4PON Ports 1U Pizza-Box OLT



WK-OLT-4P 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.

WK-OLT-8P 8PON Ports 1U Pizza-Box OLT



WK-OLT-8P 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		WK-OLT-4P	WK-OLT-8P
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	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		<p>Fan Group Detecting</p> <p>Port Status monitoring and configuration management;</p> <p>Layer-2 switch configuration such as Vlan, Trunk ,RSTP,IGMP ,QOS, etc;</p> <p>EPON management function: DBA ,ONU authorization, ACL ,QOS ,etc;</p> <p>Online ONU configuration and management</p> <p>User management</p> <p>Alarm management</p>	
Layer-two Switch		<p>Support port Vlan and protocol Vlan</p> <p>Support Vlan tag/Untag ,vlan transparent transmission;</p> <p>Support 4096 VLAN</p> <p>Support 802.3dd trunk</p> <p>RSTP</p> <p>QOS based on port ,VID,TOS and MAC address</p> <p>IGMP Snooping</p> <p>802.x flow control</p> <p>Port stability statistic and monitoring</p>	
EPON Function		<p>Support port-based rate limitation and bandwidth control;</p> <p>In compliant with IEEE802.3ah Standard</p> <p>Up to 20KM transmission Distance</p> <p>Support data encryption, group broadcasting, port Vlanseparation ,RSTP,etc.</p> <p>Support Dynamic Bandwidth Allocation (DBA)</p> <p>Support ONU auto-discovery/Link detection/remote upgrade of</p>	



		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)

