

WK-OLT series EPON OLT

Introduction

WK-OLT series EPON 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. There are three members in this series, WK-OLT-2P, WK-OLT-4P and WK-OLT-8P.



WK-OLT-2P

WK-OLT-2P provides 2GE(copper) and 2SFP slots independent interface for uplink, and 2*EPON OLT ports for downstream. It can support 128 ONUs under 1:64 splitter ratio.



WK-OLT-4P

WK-OLT-4P provides 4GE(copper) and 4SFP slots independent interface for uplink, and 4*EPON OLT ports for downstream. It can support 256 ONUs under 1:64 splitter ratio.





WK-OLT-8P

WK-OLT-8P provides 8GE(copper) and 8SFP slots independent interface for uplink,



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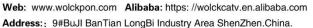




and 8*EPON OLT ports for downstream. It can support 512 ONUs under 1:64 splitter ratio.

Technical Specifications

Item		WK-OLT-2P	WK-OLT-4P	WK-OLT-8P	
Chassi	Rack	1U 19 inch	1U 19 inch	1U 19 inch	
S	OTV	standard box	standard box	standard box	
1000M Uplink Port	QTY	0*40/400/4000	8 4*40/400/4000M	16	
	Copper	2*10/100/1000M	4*10/100/1000M	8*10/100/1000M	
		auto-negotiation	auto-negotiation	auto-negotiation	
	SFP (independent)	2*SFP slots	4*SFP slots	8*SFP slots	
	QTY	2	4	8	
EPON Port	Physical Interface	SFP Slots	SFP Slots	SFP Slots	
	Connector Type	1000BASE-PX20+	1000BASE-PX20+	1000BASE-PX20+	
	Max splitting ratio	1:64	1:64	1:64	
Managen	nent Ports	1*10/100BASE-T out-band port, 1*CONSOLE port			
	Transmissio n Distance	20KM			
	EPON port speed	Symmetrical 1.25Gbps			
	Wavelength	TX 1490nm, RX 1310nm			
PON Por	t Connector	SC/PC			
Specifica	t Fiber Type	9/125µm SMF			
ion	TX Power	+2~+7dBm			
	Rx Sensitivity	-27dBm			
	Saturation				
	Optical	-6dBm			
	Power				
Managen	nent Mode	SNMP, Telnet and CLI			
Management Function		Fan Group Detecting;			
		Port Status monitoring and configuration management;			
		Layer2 switch configuration such as VLAN, Trunk, RSTP, IGMP, QOS, etc;			
		EPON management function: DBA,ONU authorization, ACL,			
		QOS, etc;			









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Online ONU configuration and management;					
		User management;			
		Alarm management.			
		Support port VLAN and protocol VLAN;			
		Support 4096 VLANs;			
		Support VLAN tag/Un-tag ,VLAN transparent transmission,			
	tch	QinQ;			
		Support IEEE802.3d trunk;			
Layer2 Swite		Support RSTP;			
		QOS based on port, VID, TOS and MAC address;			
		IGMP Snooping;			
		IEEE802.x flow control;			
		Port stability statistic and monitoring.			
		1024 Host Routes;			
Layer 3Route		512 Subnet Routes;			
		256 IP Multicast Groups;			
		Support port-based rate limitation and bandwidth control;			
		In compliant with IEEE802.3ah standard;			
		Up to 20KM transmission Distance;			
		Support data encryption, multi-cast, 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;			
EPON Func	tion	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 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.			
	4		•	442mm*320mm*43	
Dimension(L	_*W*H)	442mm*200mm*43.	omm	.6mm	
Weight		3.1kg	4.2kg	4.5kg	
	220VAC	AC:90~264V, 47/63		Double Hot Backup	



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Supply							
Power Consumption		25W	30W	45W			
Operating Environm ent	Working						
	Temperatur	-10~+55℃					
	е						
	Storage						
	Temperatur	-40~+85℃					
	е						
	Relative	F-00% (non conditioning)					
	Humidity	5~90%(non-conditioning)					

