



深圳市沃克网络产品有限公司
Shenzhen Wolck Network Product Co.,Ltd

GPON OLT: 4/8/16PON port

WK-OLT-xPG



Brief Views

WK-OLT-4/8/16PG Gseries 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

WK-OLT-8PG provides 8GE(copper) and 8SFP(6*1GE+2*10GE) slots independent interface for uplink, and 8*GPON OLT ports for downstream. It can support 1024ONUs under 1:128 splitter ratio



WK-OLT Series OLT interface

Products		WK-OLT-4PG	WK-OLT-8PG	WK-OLT-16PG
Chassic	Racks	1U 19 inch standard box	1U 19 inch standard box	1U 19 inch standard box
1G/10G Uplink Port	QTY	6	16	12
	Copper	4*10/100/1000 M auto-negotiation	8*10/100/1000 M auto-negotiation	8*10/100/1000 M auto-negotiation
	SFP(Independently)	2*SFP+ (SFP+ is compatible with 10GE)	6*SFP and 2*SFP+ (SFP+ is compatible with 10GE)	4*SFP+ (SFP+ is compatible with 10GE)
GPON Port	QTY	4	8	16
	Physical Interface	SFP Slots	SFP Slots	SFP Slots
Management Ports		1*10/100BASE-T out-band port(AUX), 1*CONSOLE port		
Management Mode		SNMP, WEB, Telnet and CLI		





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Technical Specification

Item		WK-OLT-4PG	WK-OLT-8PG	WK-OLT-16PG
Chassis	Rack	1U 19 inch standard box	1U 19 inch standard box	1U 19 inch standard box
1000M Uplink Port	QTY	4	8	8
	Copper 10/100/1000M auto-negotiation	4	8	8
	SFP 1000M,Duplex (independent)	2	4	4
	SFP+ SFP+ is 10GE (independent)	2	2	4
GPON Port	QTY	4	8	16
	Physical Interface	SFP Slot		
	Connector Type	Class B+/C+/C++		
	Max splitting ratio	1:128		
Management Ports		1*10/100BASE-T out-band port, 1*CONSOLE port		
PON Port Specification	Transmission Distance	20KM	20KM	20KM
	GPON port speed	Upstream 1.244G, Downstream 2.488G		
	Wavelength	TX 1490nm, RX 1310nm		
	Connector	SC/PC		
	Fiber Type	9/125 um SMF		
	TX Power	+1~+5dBm		
	Rx Sensitivity	-28dBm		
	Saturation Optical Power	-8dBm		
Management Mode		SNMP, Telnet ,CLI,WEB		





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<p>Management Function</p>	<p>Fan Group Detecting; Port Status monitoring and configuration management; Layer2 switch configuration such as VLAN, Trunk,RSTP,IGMP,QOS, etc; GPON management function: DBA,ONU authorization, ACL,QOS,etc; Online ONU configuration and management; User Alam management</p>	
<p>Layer2 Switch</p>	<p>16K Mac address Support 4096 VLANs; Support port VLAN and protocol VLAN; Support VLAN tag/Un-tag ,VLAN transparent transmission; Support VLAN translation and QinQ; Support storm control based on port Support port isolation Support port rate limitation Support 802.1D and 802.1W; Support static LACP; QOS based on port,VID,TOS and MAC address; Access control list; IEEE802.x flow control; Port stability statistic and monitoring.</p>	
<p>Multicast</p>	<p>IGMP snooping 256 IP Multicast Groups;</p>	
<p>DHCP</p>	<p>DHCP server DHCP relay DHCP snooping</p>	
<p>Layer 3 Route</p>	<p>Arp proxy Static route 1024 hardware Host Routes; 512 hardware Subnet Routes;</p>	
<p>GPON Function</p>	<p>Tcont dba; Gemport traffic In compliant with ITUT984.xstandard; Up to 20KM transmission Distance; Support data encryption, multi-cast, port VLAN, separation,RSTP,etc; Support ONU auto-discovery/link detection/remote upgrade of software; Support VLAN division and user separation to avoid broadcast storm;</p>	<p>Tcont dba; Gemport traffic In compliant with ITUT984.xstand ard; Up to 20KM transmission Distance; Support data encryption,</p>





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	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 RSTP,IGMP Proxy.	multi-cast, port VLAN,
Dimension(L*W*H)	400mm*200mm*43.6mm	442mm*200mm*43.6mm
Weight		3.1kg
Power Supply	220VAC	AC:90~264V, 47/63Hz Double Power Module Hot Backup
Power Consumption		25W
Operating Environment	Working Temperature	-10~+55℃
	Storage Temperature	40~+85℃
	Relative Humidity	5~90%(non-conditioning)



Application

- ◇ Typical Solution: FTTH
- ◇ Typical Business: Internet , WIFI,CATV

