DISCRIPTION

UNIWAY 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 and have layer3 features. 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.

SPECIAL FEATURES

► Plug and play, features auto-detecting, performing layer3 functions, auto-configuration, and auto firmware upgrade, etc.
► Integrated OAM remote configuration and maintenance function.
► Support rich QinQ VLAN functions and IGMP Snooping multicast features.
► Fully compatibility with OLT based on Broadcom/PMC/Cortina chipset.
► Support 802.11n WiFi(2T2R) function.
► Support NAT, Firewall function.
► Support IPv4 and IPv6 dual stack.
► Integrated line testing compliant with GR-909 on POTS.

TECHNICAL PARAMETERS

Item		
Chassis	Rack	1U 19 inch standard box
1000M Uplink Port	QTY	16
	Copper	8*10/100/1000M auto-negotiation
	SFP(SFP+) (independent)	6*SFP and 2SFP+ slots (SFP+ is 10GE port)
GPON Port	QTY	8
	Physical Interface	SFP Slots
	Connector Type	Class B+/C+
	Max splitting ratio	1:128
Management Ports		1*10/100BASE-T out-band port, 1*CONSOLE port
PON Port Specification	Transmission Distance	20KM
	GPON port speed	Upstream 1.244G, Downstream 2.488G
	Wavelength	TX 1490nm, RX 1310nm
	Connector	SC/PC
	Fiber Type	9/125μm SMF

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	TX Power	+1~+5dBm
	Rx Sensitivity	-28dBm
	Saturation Optical Power	-8dBm
Management Mode		SNMP, Telnet, CLI, WEB
Management Function		Fan Group Detecting; Port Status monitoring and configuration management; 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.
Layer3 features		16K Mac address; Support port VLAN and protocol VLAN; Support 4096 VLANs; Support VLAN tag/Un-tag ,VLAN transparent transmission, 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. Arp proxy; Static route; 512 hardware Subnet Routes; 1024 hardware Host Routes; Port stability statistic and monitoring.
Multicast		IGMP snooping; 256 IP Multicast Groups;
DHCP		DHCP server; DHCP relay; DHCP snooping;
GPON Function		Tcont dba; Gemport traffic; In compliant with ITUT984.xstandard; Up to 20KM transmission Distancec; Support data encryption, multi-cast, port VLAN, separation,RSTP,etc; Support ONU auto-discovery/link detection/remote upgrade of software; Support layer3 features Support VLAN division and user separation to avoid broadcast storm; 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(L*W*H)		442mm*320mm*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)