GPON OLT Series

Datasheet

1.Product overview

GPON OLT 4/8/16 are highly integrated, medium-capacity GPON OLT for operators, ISPs, enterprises and park Application. The product follows the ITU-T G.984/G.988 technical standard，The product has good openness, strong compatibility, high reliability, and complete software functions. It can be widely used in operators' FTTH access, VPN, government and enterprise park access, campus network access, ETC.

They are only 1U in height, easy to install and maintain, and save space. Supports mixed networking of different types of ONU, which can save a lot of costs for operators.

GPON OLT 4PON

GPON OLT 8PON

GPON OLT 16PON

2.Main Feature

- **Rich Layer 2/3 switching features and Flexible management methods**
- **Support multiple link redundancy protocols such as Flex-Link/STP/RSTP/MSTP/ERPS/LACP**
- **Support RIP、OSPF、BGP、ISIS and IPV6**
- **Safe DDOS and virus attack protection**
- **Support Power redundancy backup，Modular power supply**
- **Support power failure alarm**
- **Type C management interface**

3. Hardware Features

Attributes	GPON OLT 4PON	GPON OLT 8PON	GPON OLT 16PON
Exchange capacity	104Gbps		
Packet forwarding rate	77.376Mpps		
Memory and storage	memory：512MB, storage：32MB		
Management port	Console， Type C		
Port	4*GPON Port, 4*10/100/1000M Base-T,4*1000M Base-X SFP/4*10GE SFP+	8*GPON Port, 4*10/100/1000M Base-T,4*1000M Base-X SFP/4*10GE SFP+	16*GPON Port, 8*10/100/1000M Base-T,4*1000M Base-X SFP/4*10GE SFP+
weight	GPON OLT 4/8PON:≤5kg	GPON OLT 16PON:≤6.5kg	
fan	Fixed fans（three fans）		
power	AC：100～240V 47/63Hz； DC：36V～75V；		
Power	GPON OLT 4/8PON: 65W		

consumption	GPON OLT 16PON: 100W
environment friendly	China ROHS EEE
Dimensions (Width * height * depth)	GPON OLT 4/8PON: 440mm*44mm*260mm GPON OLT 16PON: 440mm*44mm*320mm
Environment temperature	Working Temperature：-10℃～55℃ Storge temperature：-40℃～70℃
environment humidity	Operating humidity: 10%～95% (non-condensing) Storage humidity: 10%～95% (non-condensing)

4. Software Features

Attributes	GPON OLT 4PON	GPON OLT 8PON	GPON OLT 16PON
PON	Comply with ITU-TG.984/G.988 standard 60KM transmission distance 1:128 Max splitting ratio Standard OMCI management function Open to any brand of ONT ONU batch software upgrade		
VLAN	Support 4K VLAN Support VLAN based on port, MAC and protocol Support dual Tag VLAN, port-based static QINQ and fiexible QINQ		
MAC	16K Mac address Support static MAC address setting Support black hole MAC address filtering Support port MAC address limit		
ring network protocol	Support STP/RSTP/MSTP Support ERPS Ethernet ring network protection protocol Support Loopback-detection port loopback detection		
port control	Support two-way bandwidth control Support port storm suppression Support 9K Jumbo ultra-long frame forwarding		
Port aggregation	Support static link aggregation Support dynamic LACP Each aggregation group supports a maximum of 8 ports		
Mirroring	Support port mirroring Support stream mirroring		

ACL	Support standard and extended ACL
	Support ACL policy based on time period
	Provide flow classification and flow definition based on IP header information such as source/destination MAC address, VLAN, 802.1p, TOS, DSCP, source/destination IP address, L4 port number, protocol type, etc.
QoS	Support flow rate limiting function based on custom business flow
	Supports mirroring and redirection functions based on custom business flows
	Support priority marking based on custom service flow, support 802.1P, DSCP priority Remark capability Support port-based priority scheduling function,
	support queue scheduling algorithms such as SP/WRR/SP+WRR
Safety	Support user hierarchical management and password protection
	Support IEEE 802.1X authentication
	Support Radius&TACACS+ authentication
	Support MAC address learning limit, support black hole MAC function
	Support port isolation
	Support broadcast message rate suppression
	Support IP Source Guard Support ARP flood suppression and ARP spoofing protection
	Support DOS attack and virus attack protection
Layer 3	Support ARP learning and aging
	Support static route
	Support dynamic route RIP/OSPF/BGP/ISIS
	Support VRRP
System management	CLI、Telnet、WEB、SNMP V1/V2/V3、SSH2.0
	Support FTP,TFTP file upload and download
	Support RMON
	Support SNTP
	Support system work log
	Support LLDP neighbor device discovery protocol
	Support 802.3ah Ethernet OAM
	Support RFC 3164 Syslog
	Support Ping and Traceroute

5.Purchasing Information

Product name	Product description
GPON OLT 4PON	4*PON port, 4*10GE/GE SFP +4GE RJ45 uplink port, Dual power with optional
GPON OLT 8PON	8*PON port, 4*10GE/GE SFP +4GE RJ45 uplink port, Dual power with optional
GPON OLT 16PON	16*PON port, 4*10GE/GE SFP +8GE RJ45 uplink port, Dual power with optional