XGSPON OLT
Datasheet

1.Product overview

8PORT XGSPON OLT is a highly integrated, large-capacity XG(S)-PON OLT for operators, ISPs, enterprises, and campus applications. The product follows the ITU-T G.987/G.988 technical standard, and can be compatible with three modes of G/XG/XGS at the same time. 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.

8PORT XGSPON OLT is 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.

8PORT XGSPON OLT

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**

- **PON port can support GPON/XGPON/XGSPON three modes**

- **Support Power redundancy backup，Modular power supply，Modular fans supply**

- **Support power failure alarm**

3. Hardware Features

Attributes	8PORT XGSPON OLT
Exchange capacity	104Gbps
Packet forwarding rate	77.376Mpps
Memory and storage	memory：7168M;　　　　storage：2048M
Management port	Console
Port	8*XG(S)-PON/GPON port, 8*10GE/GE SFP + 2*100G QSFP28
weight	6.5kg
fan	Fixed fans（three fans）
power	AC：100～240V　47/63Hz； DC：36V～75V；
Power consumption	MAX：90W
environment friendly	China ROHS EEE
Dimensions (Width * height * depth)	440*270*44mm
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	8PORT XGSPON OLT

PON	Comply with ITU-T G.987/G.988 standard
	40KM Physical differential distance,100KM transmission logical distance
	1:256 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	128K 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
8PORT XGSPON OLT	8*XG(S)-PON/GPON port, 8*10GE/GE SFP + 2*100G QSFP28, Dual power with optional