



## V3600G1

8-Port XG(S)-PON OLT

### Highlights



High Performance Chipset



100Gbps QSFP28 High-Speed Uplink



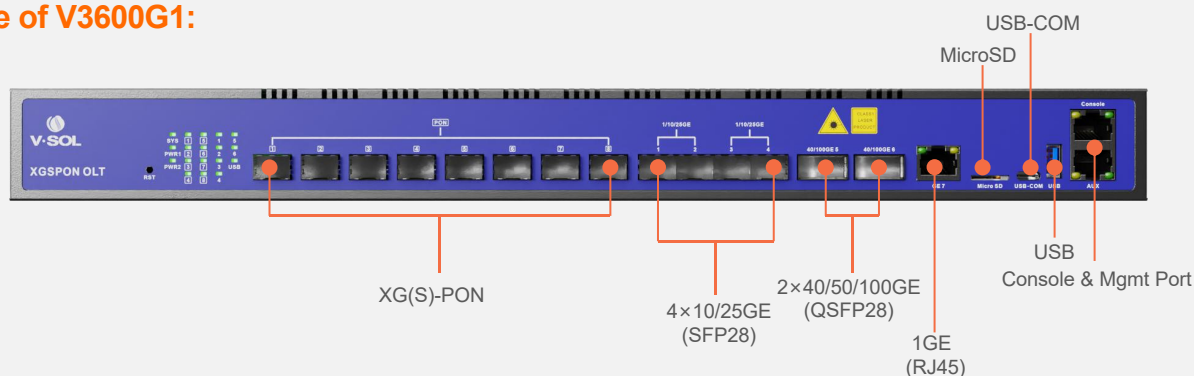
Compliant With ITU-T G.9807(XGS-PON) AND ITU-T G.987(XG-PON)

### Introduction:

VSOL V3600G1 is a new XG(S)-PON OLT launched for new optical fiber communication networks. It complies with international standards such as ITU-T G.9807 (XGS-PON) and ITU-T G.987 (XG-PON), and can provide two modes of bandwidth access: ① Asymmetric mode: upstream 2.5Gbps, downstream 10Gbps; ② Symmetrical mode: upstream 10Gbps, downstream 10Gbps. It is suitable for deployment in scenarios with high bandwidth requirements such as carrier networks, FTTx, and enterprise networks. The chassis of the V3600G1 is only 1U high and can be deployed in a compact environment. It uses high Performance chipset solution, so the performance is very strong.

V3600G1 has a lot of ports, it provides 1\*GE (RJ45) + 4\*25GE (SFP28) + 2\*100GE (QSFP28) uplink ports for full line-speed data forwarding; it also provides 8\*XG(S)-PON downlink interfaces with a maximum splitting ratio of 1:256 to access the user's ONT.

### Interface of V3600G1:



### Ordering Information:

Product Name	Product Description	Power Configuration	Accessories
V3600G1	8*XG(S)-PON, 1*GE(RJ45)+ 4*25GE(SFP28)+2*100GE(QSFP28)	1*AC power; 2*AC power;	Class N2 module 100GE QSFP28 module 25GE SFP28 module

# Technical Specifications

Item		V3600G1
Chassis	Rack	1U 19Inch Standard Box
Uplink Port	QTY	8
	RJ45(GE)	1
	SFP28(25GE)	4
	QSFP28(25GE/50GE/100GE)	2
XG(S)-PON Port	QTY	8
	Physical Interface	SFP+ Slots
	Connector Type	Class N1/N2
	Optical Splitting Ratio	1:256(Maximum), 1:128(Recommended)
Management Ports		1*10/100/1000BASE-T out-band port, 1*CONSOLE port, 1*USB3.0, 1*Type-C USB console, 1*MicroSD port
Backplane Bandwidth (Gbps)		970
Port Forwarding Rate(Mpps)		598.176
XG(S)-PON Port Specification (N1/N2a module)	Transmission Distance	20KM
	XG(S)-PON Port Speed	XG-PON: Upstream 2.488Gbps, Downstream 9.953Gbps XGS-PON: Upstream 9.953Gbps, Downstream 9.953Gbps
	Wavelength	Upstream: 1270nm Downstream: 1577nm
	Connector	SC/UPC
	Fiber Type	9/125μm SMF
	TX Power	+4dBm ~ +8dBm
	Rx Sensitivity	≥-29.5dBm
	Saturation Optical Power	-9dBm
Lightning Protection	Power Lightning Protection	6KV
	Interface Lightning Protection	4KV
Power Supply	AC	90-264 VAC, 47/63Hz
Number of Fans		4
Management Mode		CLI(Console/Telnet/SSH)/WEB/SNMP(EMS)

## Management Function

- SNMP, Telnet, CLI, WEB, SSH v2;
- Fan Group Control
- Port Status monitoring and configuration management
- Online ONT configuration and management
- User management
- Alarm management

## Layer2 Switch

- 32K Mac address
- Support 4096 VLANs
- Support port 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, Dynamic LACP
- QoS based on port, VID, TOS and MAC address
- Access control list
- IEEE802.x flowcontrol
- Port stability statistic and monitoring

## Multicast

- IGMP snooping
- 2048 IP Multicast Groups;

## DHCP

- DHCP server, DHCP relay, DHCP snooping
- DHCP option82

## Layer 3 Route

- ARP proxy
- 4096 hardware Host Routes, 512 hardware Subnet Routes
- Support Radius, Tacacs+
- Support IP source guard
- Support static route, dynamic route RIP v1/v2, RIPng and OSPF v2/v3;

## IPv6

- Support NDP;
- Support IPv6 Ping, IPv6 Telnet, IPv6 routing;
- Support ACL based on source IPv6 address, destination IPv6 address, L4 port, protocol type, etc;
- Support MLD v1/v2 snooping

## PON Function

- T-CONT DBA
- x-GEM traffic
- In compliant with ITU-T G.9807(XGS-PON) and ITU-T G.987(XG-PON)
- Up to 20KM transmission Distance
- Support data encryption, multi-cast, port VLAN, separation, RSTP, etc
- Support ONT auto-discovery/link detection/remote upgrade of software

- 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 RSTP, IGMP Proxy

## Dimension (L\*W\*H)

- 442mm\*330mm\*43.6mm

## Weight

- Net weight of single power: 4.2KG

## Power Consumption

- 150W

## Working Environment

- Working Temperature: -20°C ~ +60°C
- Working Humidity: 5%~95%(non-condensing)

## Storage Environment

- Storage Temperature: -40 ~ +70°C
- Storage Humidity: 5%~95%(non-condensing)