



V3600G1

8-Port XG(S)-PON/GPON OLT

Highlights



High Performance Chipset



100Gbps QSFP28 High-Speed Uplink



Supports XGS-PON/XG-PON/GPON triple mode for Flexible Networking

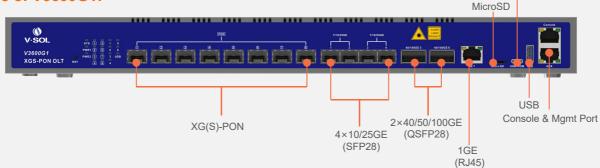
USB-COM

Introduction:

VSOL V3600G1 is a new XG(S)-PON/GPON OLT launched for new optical fiber communication networks. It complies with international standards such as ITU-T G.9807 (XGS-PON), ITU-T G.987 (XG-PON) and ITU-T984.x (GPON), and can provide triple modes of bandwidth access: ① XG-PON asymmetric mode: upstream 2.5Gbps, downstream 10Gbps; ② XGS-PON symmetrical mode: upstream 10Gbps, downstream 10Gbps, downstream 10Gbps, downstream 10Gbps, as carrier networks, FTTx, and enterprise networks.

One V3600G1 device can meet different bandwidth application scenarios. Its 8 PON ports can be selected in XG(S)-PON or GPON mode, allowing customers to flexibly choose the appropriate bandwidth access mode based on current application conditions and future business upgrades. It is suitable for flexible deployment in scenarios with different bandwidth requirements such as operator networks, FTTx and enterprise networks.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 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/GPON, 1*GE(RJ45)+ 4*25GE(SFP28)+2*100GE(QSFP28)	1*AC power; 2*AC power;	Class N2 module; Class C++++ module(GPON mode); 100GE QSFP28 module; 25GE SFP28 module;



Technical Specifications

Item		V3600G1	
Chassis	Rack	1U 19Inch Standard Box	
	QTY	8	
Haliala Dant	RJ45(GE)	1	
Uplink Port	SFP28(25GE)	4	
	QSFP28(25GE/50GE/100GE)	2	
	QTY	8	
	Physical Interface	SFP+ Slots	
XG(S)-PON Port	Connector Type	XG(S)-PON mode: Class N1/N2	
		GPON mode: Class B+/C/C+/C++/C++++	
	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)		1960	
Port Forwarding Rate(Mpps)		566.928	
	Transmission Distance	20KM	
VC(S) DON Dort	XG(S)-PON Port Speed	XG-PON: Upstream 2.488Gbps, Downstream 9.953Gbps	
XG(S)-PON Port Specification		XGS-PON: Upstream 9.953Gbps, Downstream 9.953Gbps	
Opecification	Wavelength	Upstream: 1270nm Downstream: 1577nm	
	Supported PON ports	PON 1~8 (8 PON ports are in XG(S)-PON mode by default)	
	Transmission Distance	20KM	
GPON Port	GPON Port Speed	Upstream: 1.244Gbps,Downstream: 2.488Gbps	
Specification	Wavelength	Upstream: 1310nm, Downstream: 1490nm	
Opecification	Supported PON ports	PON 1~8 (Each PON port can be manually hot-switch to GPON	
		mode)	
Lightning Protection	Power Lightning Protection	6KV	
<u> </u>	Interface Lightning Protection	4KV	
Power Supply	AC	Working Voltage Range: 100~240V, Rated Voltage: 110V/220V	
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 ONTconfiguration 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), ITU-T G.987(XG-PON) and ITU-T 984.x
- · 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%(noncondensing)

Storage Environment

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