



V3600G2-R

16-Port 10G Combo PON OLT

Highlights



Front dual redundant power supply



Ultra large exchange capacity
Backplane capacity 800Gbps



100Gbps QSFP28
High-Speed Uplink

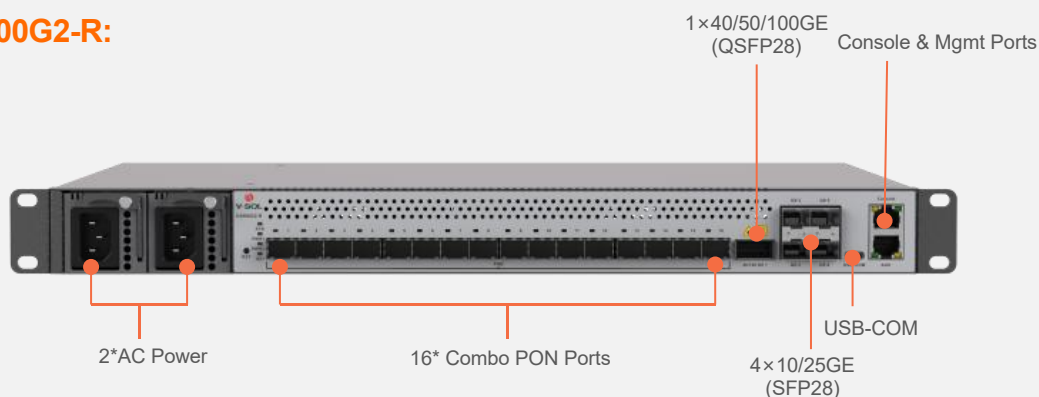


Supports Combo triple mode
for Flexible Networking

Introduction:

VSOL V3600G2-R is a 10G Combo PON OLT product designed for the carrier market, specifically engineered for high-bandwidth, high-capacity access scenarios. Equipped with 16 Combo PON ports, the product supports the flexible coexistence of GPON, XG-PON, and XGS-PON modes, enabling carriers to smoothly evolve their existing networks and effortlessly transition to the 10-gigabit access era. The device utilizes a high-performance, cost-effective chipset solution, with each PON port capable of connecting up to 128 GPON ONUs and 256 XG(S)PON ONUs, fully meeting the demands of large-scale user access and comprehensively covering a wide range of high-bandwidth application scenarios. The V3600G2-R offers a combination of 4×25GE (SFP28) and 1×100GE (QSFP28) uplink ports, enabling line-rate forwarding across all ports and effortlessly addressing the dual challenges of high-speed data transmission and large-scale network deployment. This product features comprehensive management and monitoring capabilities that simplify O&M processes. With rich service features, scalability, and flexible networking capabilities, it delivers an exceptional user experience and high-quality services to service providers.

Interface of V3600G2-R:



Ordering Information:

Product Name	Product Description	Power Configuration	Accessories
V3600G2-R	16×Combo PON, 4×25GE (SFP28) + 1×100GE (QSFP28)	1*AC power; 2*AC power;	N2_C+ module; 100GE QSFP28 module; 25GE SFP28 module;

Technical Specifications

Item		V3600G2-R
Chassis	Rack	1U 19Inch Standard Box
Uplink Port	QTY	5
	SFP28(25GE)	4
	QSFP28(25GE/50GE/100GE)	1
XG(S)-PON&GPON Combo Port	QTY	16
	Physical Interface	SFP+ Slots
	Connector Type	XG(S)-PON&GPON Combo mode: N2_C+
	Optical Splitting Ratio	XG (S) PON 1:256 (maximum), GPON 1:128 (maximum)
Management Ports		1*10/100/1000BASE-T out-band port, 1*CONSOLE port, 1*Type-C USB-COM
Backplane Bandwidth (Gbps)		800
Port Forwarding Rate(Mpps)		595.2
XG(S)-PON&GPON Combo Port Specification	Transmission Distance	20KM
	XG(S)-PON Port Speed	GPON:Upstream1.244Gbps,Downstream 2.488Gbps XG-PON: Upstream 2.488Gbps, Downstream 9.953Gbps XGS-PON: Upstream 9.953Gbps, Downstream 9.953Gbps
	Wavelength	GPON:Upstream 1310nm, Downstream 1490nm XG(S)-PON:Upstream: 1270nm Downstream: 1577nm
	Connector Type	SC/UPC
	Fiber optic type	9/125μm SMF
Lightning Protection	Power Lightning Protection	6KV
	Interface Lightning Protection	4KV
Power Supply	AC	Working Voltage Range: 100~240V, Rated Voltage: 110V/220V
Number of Fans		5 (on the chassis), 1 (on the PCBA board)
Management Mode		EMS, WEB, SNMP, Telnet , CLI

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

- 112K 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
- 16k IP Multicast Groups;

DHCP

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

Layer 3 Route

- ARP proxy
- 56K hardware Host Routes,32K 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*320mm*43.6mm

Weight

- Net weight : 5.45 KG

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)