V1600G1WEO-B

Outdoor GPON OLT

Introduction:

V-SOL Outdoor GPON OLT V1600G1WEO-B It is composed of preamplifier EDFA module, OLT module and optical splitter, etc. It is an optical node device that organically combines CATV optical amplifier module and OLT module.Its modular design can be flexibly deployed in floor boxes, corridors, poles and other scenarios, simplifying network design and reducing engineering costs.
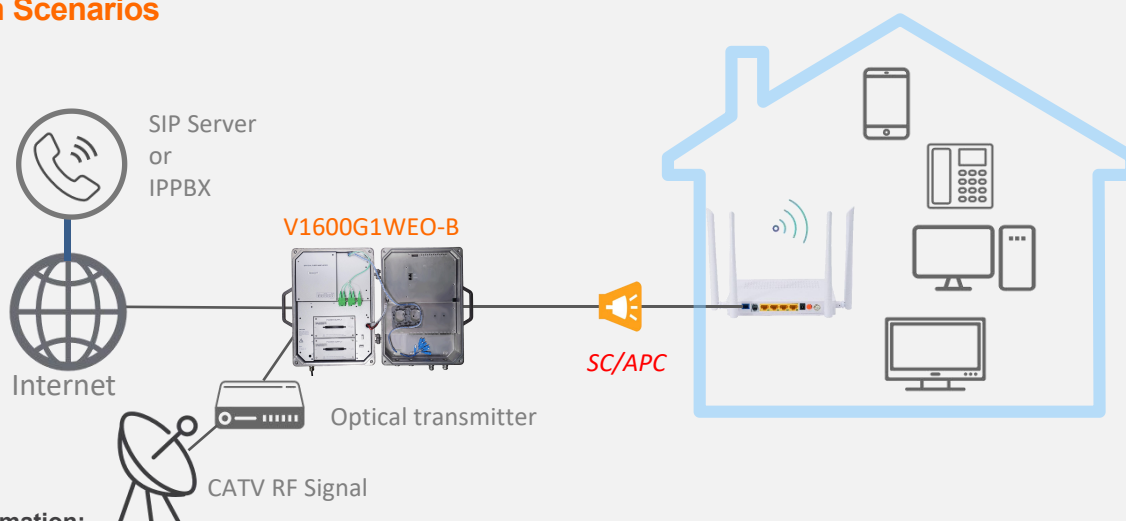
Highlights

Modular Design
GPON OLT+EDFA+Splitter

IP65 Metal Case,Natural Heat Dissipation
IP65 Dust&Water Proof

Dual Power Redundancy

Application Scenarios

SIP Server
or
IPPBX

V1600G1WEO-B

SC/APC

Internet

Optical transmitter

CATV RF Signal

Ordering Information:

Product Name	Product Description	Power Configuration	Accessories
V1600G1WEO-B	8*GPON+2*GE(SFP) +2*10GE(SFP+)+8*22 EDFA	2*AC power	GPON SFP C++ module GPON SFP C+++ module 1G SFP module 10G SFP+ module

Technical Specifications

Item		V1600G1WEO-B
Backplane Bandwidth (Gbps)		104
Port Forwarding Rate(Mpps)		65.472
GPON Module		
Chassis	Rack	1U 19Inch Standard Box
Uplink Port	QTY	4
	SFP(GE)	2
	SFP+(10GE)	2
GPON Port	QTY	8
	Physical Interface	SFP Slots
	Max splitting ratio	1:128
Management Ports		1*10/100/1000BASE-T out-band port, 1*CONSOLE port
PON Port Specification	Transmission Distance	20KM
	GPON port speed	Upstream 1.244Gbps, Downstream 2.488Gbps
	Wavelength	TX 1490nm, RX 1310nm
	Connector	SC/UPC
	Fiber Type	9/125μm SMF
	Supported PON module level	Class B+, C, C+, C++, C+++
EDFA Optical Amplifier Module		
Working wavelength		1535nm－1565nm
Input optical power		-3dBm－+10dBm(ACC Mode) / -6dBm－+10dBm(APC Mode)
Output optical power		13 dBm -22dBm
Output optical power stability		≤±0.25dB
Noise figure		≤5.0dB(@Input optical power is +3dBm)
Input /output reflection loss		≥45dB
Input/output pump light leakage		≤-30dBm
C/CTB		≥63dB	EDFA input optical power is 3dBm,and the optical link composed of optical transmitter and receiver is tested.
C/CSO		≥62dB	
C/N		≥50dB	
V1600G1WEO-PWR		AC:90~264V, 47/63Hz, 24V DC output, Dual Power Module Supply
Management Mode		WEB/SNMP/Telnet/CLI/SSHv2

Management Function

- SNMP,Telnet,CLI,WEB,SSH v1/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 flow control
- Port stability statistic and monitoring

Multicast

- IGMP snooping
- 1024 IP Multicast Groups

DHCP

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

Layer3 Route

- ARP proxy,2048 hardware Host Routes,2048 hardware Subnet Routes
- Support Radius,Tacacs+
- Support IP source guard; RIP/OSPF/BGP
- 1024 hardware Host Routes
- 512 hardware Subnet Routes

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(Multicast Listener Discovery snooping);

GPON Function

- Tcont DBA
- Gemport traffic
- In compliant with ITU-T984.x standard
- Up to 20KM transmission Distance
- 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)

- 384mm*180mm*180mm

Weight

- Net weight of single power: 16.1kg
- Gross weight of single power: 18.3kg

Water Proof Level

- IP65

Power Consumption

- 45W

Working Temperature

- -40 ~ +70°C

Storage Temperature

- -40 ~ +85°C

Relative Humidity

- 5~90% (non-condensing)