



## 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

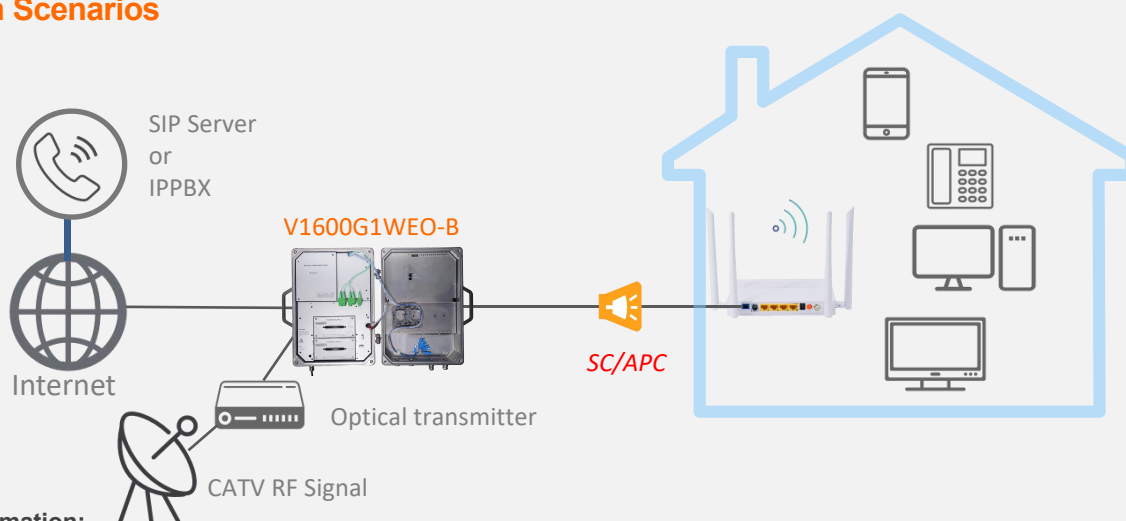


Metal Case, Natural Heat Dissipation  
IP65 Dust & Water Proof



Dual Power Redundancy

### Application Scenarios



### 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

Item		V1600G1WE0-B
Backplane Bandwidth (Gbps)		104
Port Forwarding Rate(Mpps)		65.472
GPON Module		
Chassis	Type	Metal Shell Box(Outdoor Mounted)
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
C/CSO		≥62dB
C/N		≥50dB
Power Supply		Working Voltage Range : 100~240V AC, Rated Voltage: 110V AC/220V AC; Support 24V DC Input; 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
- Gempport 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)

- 450mm\*384mm\*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

- 5~95% (non-condensing)