



## V1600GS-R

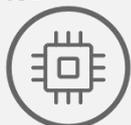
Single pon GPON OLT

### Introduction:

V1600GS-R Single-PON Port GPON OLT features a compact, portable design suitable for desktop deployment and supports wall-mount installation, effortlessly adapting to diverse scenarios. Combining robust performance with high cost-effectiveness, it serves as an optimal solution for ultra-low-cost deployment.

The built-in bottom fiber tray structure not only effectively protects the fiber and enhances operational safety but also simplifies fiber installation and maintenance processes. With a PON port splitter ratio of 1:64, it is suitable for low-density scenarios, offering a maximum transmission distance of 20KM and uplink/downlink bandwidths of up to 1.25Gbps/2.5Gbps. It is widely applicable for FTTX, SOHO, and small business office environments.

### Highlights:



High Performance Chipset



10GE(SFP+) Uplink



Built-in PON optic module  
Flexible and compact

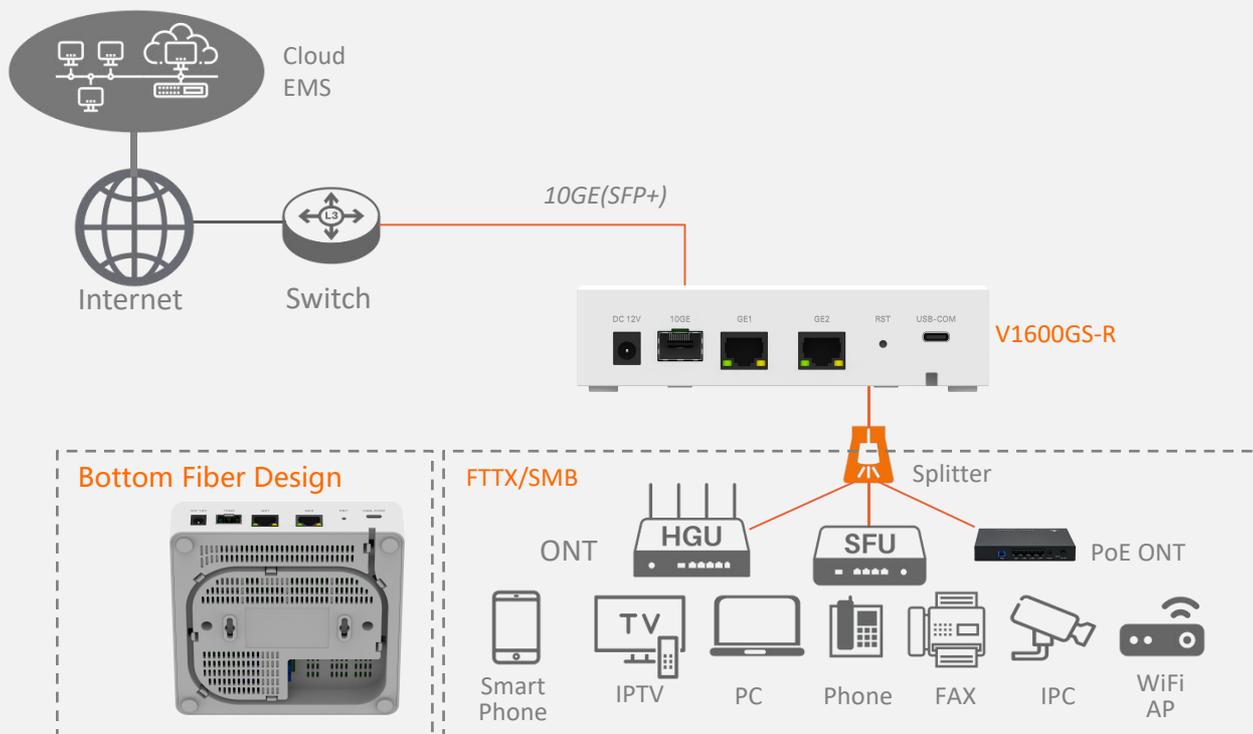


Bottom Fiber Design



Fanless Design

### Application Scenarios:



# Technical Specifications

Item		V1600GS-R
Uplink Port	QTY	3
	RJ45(GE)	2
	SFP(GE)/SFP+(10GE)	1
GPON Port Specification	QTY	1
	Fiber Type	9/125μm SM
	Connector	SC/UPC,TX:7.5±0.5dBm,Sen: -30dBm
	GPON port speed	Upstream 1.244Gbps, Downstream 2.488Gbps
	Wavelength	TX 1490nm, RX 1310nm
	Max splitting ratio	1:64
	Transmission Distance	20KM
Management Ports		1*USB-COM(Type-C) port
Backplane Bandwidth (Gbps)		29
Port Forwarding Rate(Mpps)		21.576
Management Mode		WEB/Telnet/CLI/SNMP
Power Supply	DC Power Adapter	DC 12V/1A
Maximum power consumption of the whole machine		5W
Lightning protection level	Power supply	4KV
	Device Interface	1KV

## Management Function

- Telnet,CLI,WEB,SNMP;
- Port Status monitoring and configuration management
- Online ONTconfiguration and management
- User management
- Alarm management

## Layer2 Switch

- 8K Mac address
- Support 4096 VLANs
- Support port VLAN
- Support VLAN tag/Un-tag, VLAN transparent transmission
- Support VLAN translation, QinQ and P2P
- Support storm control based on port
- Support port isolation
- Support port rate limitation
- Support 802.1D and 802.1W
- Access control list
- IEEE802.x flowcontrol
- Port stability statistic and monitoring

## Multicast

- IGMP snooping
- 256 IP Multicast Groups

## DHCP

- Support DHCP server,DHCP relay,DHCP snooping
- Support DHCP option82
- Support DHCPv6 server,DHCPv6 relay

## Layer 3 Route

- Support dynamic/static ARP
- Support WAN (DHCP/PPPOE/Statics)
- Support static routing, NAT, DMZ
- Support QoS based on DSCP, MAC, IP, L4 port, protocol, etc.
- Support ACL based on source MAC address, source IP address, source L4 port, destination IP address, destination L4 port, protocol type, etc.

## IPv6

- Support IPv6 Ping, IPv6 Telnet, IPv6 routing
- Support ACL based on source MAC address, source IPv6 address, source L4 port, destination IPv6 address, destination L4 port, protocol type, etc
- Support IPv6 SLAAC
- 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 data encryption, multi-cast, port VLAN, separation, 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

## Weight

- Net weight: 0.23kg

## Working Temperature

- -10°C ~+55°C

## Storage Temperature

- -40~+70°C

## Relative Humidity

- 5~95% (non-condensing)

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

- 140.0mm\*140.0mm\*36.5mm

## Ordering Information:

Product Name	Product Description	Power Configuration	Accessories
V1600GS-R	1*GPON, 2*RJ45+1*SFP/SFP+	1*DC	1G SFP module 10G SFP+ module