V1600GS-O32(With Fan)

Single pon with 1×32 splitter GPON OLT

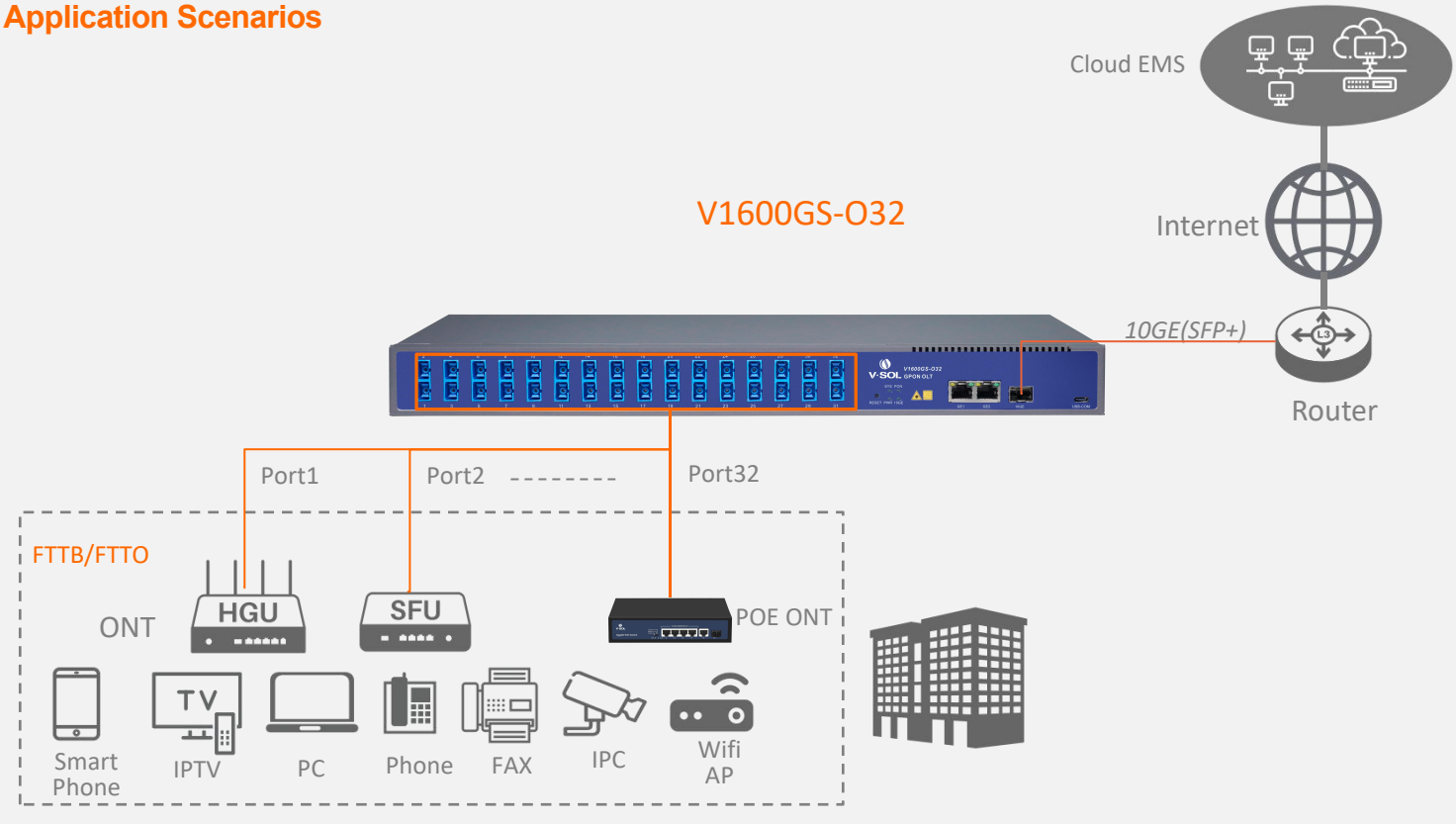
Introduction:

V1600GS-O32 is a box-type GPON OLT with one PON port and 1×32 splitter. The price of V1600GS-O32 is very attractive and the performance is very strong. The farthest transmission distance is 20KM,Its uplink and downlink bandwidth is as high as: 1.25Gbps/2.5Gbps. V1600GS-O32 can be widely used in FTTH, SOHO, small business office and other application scenarios.

Highlights

- High Performance Chipset
- Built-in Optical Splitter
  Mini Metal Shell
  Easy Deployment
- 10GE(SFP+) Uplink

Application Scenarios



Technical Specifications

Item		V1600GS-O32
Chassis	Rack	1U
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: -32dBm, Optical power per port after 1x32 splitting: ≥-10dBm
	GPON port speed	Upstream 1.244Gbps, Downstream 2.488Gbps
	Wavelength	TX 1490nm, RX 1310nm
	Built-in splitter	1×32
	Transmission Distance	20KM
Optical Splitter		1×32, Built-in
Management Ports		1*USB-COM port
Backplane Bandwidth (Gbps)		29
Port Forwarding Rate(Mpps)		21.576
Management Mode		Console/WEB/Telnet/CLI
Power Supply	AC	Working Voltage Range: 100~240V, Rated Voltage: 110V/220V
	DC Power Adapter	DC 12V/2A
Lightning protection level	Power supply	4KV
	Device Interface	1KV

Management Function

- Telnet,CLI,WEB;
- 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
- Gemport 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 of single power: 2.410kg

Maximum Power

- 12W

Working Temperature

- -20°C ~+60°C

Storage Temperature

- -40~+70°C

Relative Humidity

- 5~95% (non-condensing)

Dimension (L*W*H)

- 442mm*173mm*43.5mm

Ordering Information:

Product Name	Product Description	Power Configuration	Accessories
V1600GS-O32	1*GPON with 1×32 splitter, 2*RJ45+1*SFP/SFP+	1*DC 1*AC(Default) 1*AC+1*DC	1G SFP module 10G SFP+ module