



V1600GT-Z

Introduction:

The V1600GT-Z is a high-performance, dual-PON-port GPON OLT designed specifically for fiber access networks and FTTB scenarios. It supports a split ratio of up to 1:128, offers a maximum transmission distance of 20 km, and provides high-speed bandwidth of 1.25 Gbps upstream and 2.5 Gbps downstream. The V1600GT-Z is widely applicable in various network environments, including SOHO and small business offices, making it an ideal choice for stable, reliable performance and exceptional value.

Highlights



High Performance Chipset

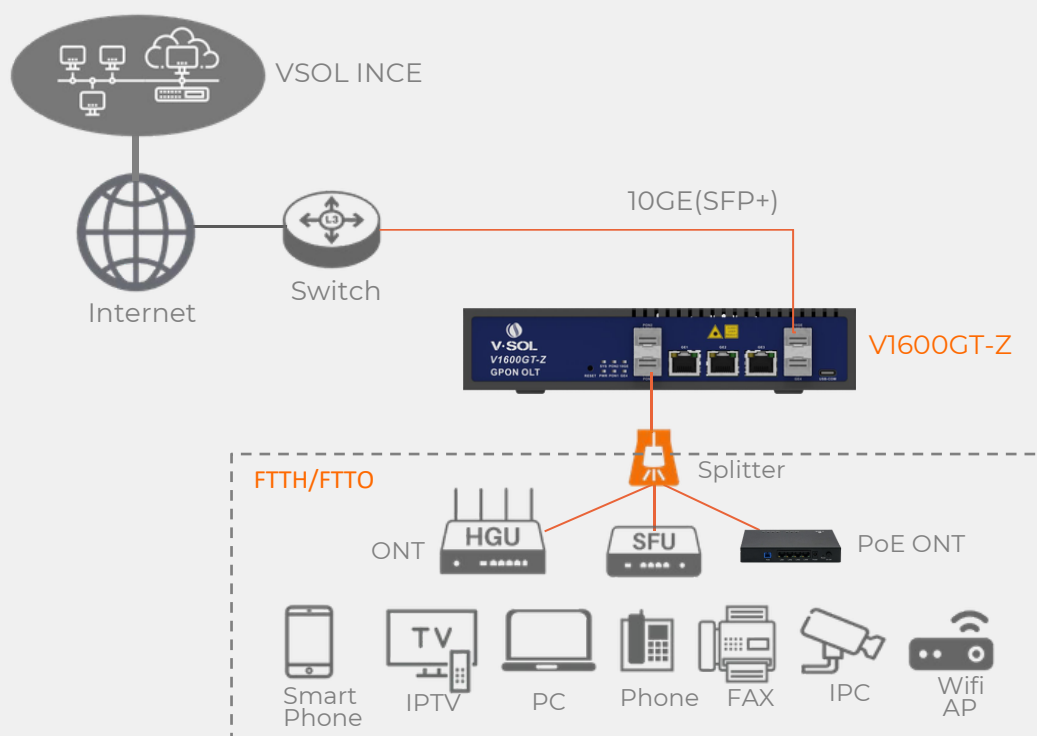


Mini Metal Shell
Easy Deployment



10GE(SFP+) Uplink

Application Scenarios



Technical Specifications

Item		V1600GT-Z
Chassis	Rack	1U
Uplink Port	QTY	5
	RJ45(GE)	3
	SFP(GE)/SFP+(10GE)	2
GPON Port Specification	QTY	2
	Fiber Type	SFP Slots
	Connector	SC/UPC
	GPON port speed	Upstream 1.244Gbps, Downstream 2.488Gbps
	Wavelength	TX 1490nm, RX 1310nm
	Max-splitting ratio	1:128
	Transmission Distance	20KM
Management Ports		1*USB-COM(Type-C) port
Backplane Bandwidth (Gbps)		38
Port Forwarding Rate(Mpps)		28.272
Management Mode		WEB/Telnet/CLI/SNMP
Power Supply	AC Power Adapter	Working Voltage Range: 85~265V, Rated Voltage: 220V
	DC Power Adapter	DC 12V/2A
Lightning protection level	Power supply	6KV
	Device interface	4KV

Management Function

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

Layer2 Switch

- 8KMac 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

- TcontDBA
- Gemport traffic
- In compliant with ITU-T G.984.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

- Netweight of single power: 1.085kg

Working Temperature

- -30°C ~+60°C

Storage Temperature

- -40~+70°C

Relative Humidity

- 10%~85%(non-condensing)

Dimension (L*W*H)

- 210mm*173mm*43.6mm

Ordering Information:

Product Name	Product Description	Power Configuration	Accessories
V1600GT-Z	2*GPON, 3*RJ45+1*SFP+1* (SFP+)	1*DC 1*AC(Default) 1*AC+1*DC	1G SFP module 10G SFP+ module