GPON OLT

V1600G0-B

Layer3 GPON OLT

The V1600G0-B is a pizza-box GPON OLT with 4 PON ports that meets flexible and fast FTTx access, suiting the scenarios such as sparse/remote/cost-sensitive area,smart industrial park, commercial building and FTTM, etc.

Highlights

• **Compact design, meets various application scenarios**

Supports the deployment in diverse scenarios including low density areas, remote areas, sparsely-populated areas and industry parks.

Supports FTTM and sharing site/rack with wireless base stations.

• **Small size and lightweight, easier to delivery and install**

Small size and lightweight, easy to transport and install.

Supports multiple installation modes, like limited room space,basement, low-voltage room and small rack or cabinet.

• **Carrier-class security protection, support dynamic routing protocol RIP&OSPF, ensure the safe operation of network**

Supports uplink redundancy protection including LACP STP,RSTP and MSTP, and support RIP&OSPF protocol. Supports link protection.

• **Lower TCO**

Dramatically saves on investment fees in trunk fibers, pipe engineering, and facilities. Effectively reduce CapEx and OpEx.

Technical Specifications

Item		V1600G0-B
Chassis	Rack	1U 19Inch Standard Box
Uplink Port	QTY	4
	RJ45(GE)	2
	SFP(GE)/SFP+(10GE)	2
GPON Port	QTY	4
	Physical Interface	SFP Slots
	Max splitting ratio	1:128
Management Ports		1*10/100/1000BASE-T out-band port, 1*CONSOLE port, 1*USB2.0
Backplane Bandwidth (Gbps)		104
Port Forwarding Rate(Mpps)		47.616
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+++
Management Mode		EMS, WEB, SNMP, Telnet , CLI

Management Function
- SNMP,Telnet,CLI,WEB,SSH v2;
- Fan Group Control
- Port Status monitoring and configuration management
- Online ONTconfiguration 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 flowcontrol
- Port stability statistic and monitoring

Multicast
- IGMP snooping
- 2048 IP Multicast Groups;

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

Layer 3 Route
- ARP proxy
- 4096 hardware Host Routes,512 hardware Subnet Routes
- Support Radius,Tacacs+
- Support IP source guard
- Support static route ,dynamic route RIP v1/v2,RIPng and OSPF v2/v3;

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 data encryption, multi-cast, port VLAN, separation, RSTP, 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
- 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

Dimension (L*W*H)
- 442mm*229mm*43.6mm

Weight
- Net weight of single power: 2.95kg
- Gross weight of single power: 4.15kg

Power Consumption
- 35W

Working Temperature
- 0°C ~+50°C

Storage Temperature
- -40~+85°C

Relative Humidity
- 5~90% (non-condensing)

Ordering Information:

Product Name	Product Description	Power Configuration	Accessories
V1600G0-B	4*GPON, 2*RJ45+2*SFP/SFP+	1*AC power 2*AC power 2*DC power 1*AC power + 1* DC power	GPON SFP C++ module GPON SFP C+++ module 1G SFP module 10G SFP+ module