V1600G2-B

Layer3 GPON OLT

The V1600G2-B is a pizza-box GPON OLT with 16 GPON 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		V1600G2-B
Chassis	Rack	1U 19Inch Standard Box
Uplink Port	QTY	8
	RJ45(GE)	4
	SFP(GE)/SFP+(10GE)	4
GPON Port	QTY	16
	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, 1*Type-C USB (for console)
Backplane Bandwidth (Gbps)		208
Port Forwarding Rate(Mpps)		124.992
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*319mm*43.6mm

Weight
- Net weight of single power: 4.80kg
- Gross weight of single power: 6.40kg

Power Consumption
- 85W

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
V1600G2-B	16*GPON,4*RJ45+4*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