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V1600G1-B

Layer3 GPON OLT

The V1600G1-B is a pizza-box GPON OLT with 8 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		V1600G1-B
Chassis	Rack	1U 19Inch Standard Box
Uplink Port	QTY	8
	RJ45(GE)	4
	SFP(GE)	2
	SFP+(10GE)	2
GPON Port	QTY	8
	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)		68.448
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+++
Power supply	AC	Working Voltage Range: 100~240V, Rated Voltage: 110V/220V
	DC	Working Voltage Range: -36~-75V, Rated Voltage: -48V/-60V
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
- Gempport 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: 4.05kg
- Gross weight of single power: 5.65kg

Power Consumption

- 45W

Working Temperature

- -20℃ ~+60℃

Storage Temperature

- -40~+70 C

Relative Humidity

- 5~95% (non-condensing)

Ordering Information:

Product Name	Product Description	Power Configuration	Accessories
V1600G1-B	8*GPON,4*RJ45+2*SFP+2*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