



OLT-G2V

2 Ports GPON OLT

The OLT-G2V is a pizza-box GPON OLT with two 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, ensure the safe operation of network**

Supports uplink redundancy protection including LACP STP, RSTP and MSTP. 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		OLT-G2V
Chassis	Rack	1U 19Inch Standard Box
Uplink Port	QTY	4
	RJ45(GE)	2
	SFP(GE)/SFP+(10GE)	2
GPON Port	QTY	2
	Physical Interface	SFP Slots
	Supported PON module level	Class C++/Class C+++/Class C++++
	Max splitting ratio	1:128
Management Ports		1*10/100/1000BASE-T out-band port, 1*CONSOLE port, 1*USB2.0
Backplane Bandwidth (Gbps)		208
Port Forwarding Rate(Mpps)		40.176
PON Port Specification (Class C+++)	Transmission Distance	20KM
	PON port speed	Upstream 1.244Gbps, Downstream 2.488Gbps
	Wavelength	TX 1310nm, RX 1490nm
	Connector	SC/UPC
	Fiber Type	9/125μm SMF
	TX Power	+4.5~+10dBm
	Rx Sensitivity	≤ -30dBm
	Saturation Optical Power	-12dBm
Management Mode		WEB , Telnet , CLI

Management Function

- Telnet,CLI,WEB;
- Fan Group Control
- Port Status monitoring and configuration management
- Online ONTconfiguration and management
- User management
- Alarm management

Layer2 Switch

- 16K 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
- 1K L2 Multicast Groups;

- 1K L3 Multicast Groups;

DHCP

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

Layer 3 Route

- ARP proxy
- 16K hardware Host Routes,1024 hardware Subnet Routes
- Support static route ;

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-T G.984
- 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 to configure data packet filter flexibly
- Specialized design for system breakdown prevention to maintain stable system

Dimension (L*W*H)

- 442mm*200mm*43.6mm

Weight

- Net weight of single power: 2.485kg

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
OLT-G2V	2*GPON, 2*GE(RJ45)+2*GE(SFP)/10GE(SFP+)	1*AC power 2*AC power 2*DC power 1*AC power + 1* DC power	Class C++ module Class C+++module Class C++++module 1G SFP / 10G SFP+ module