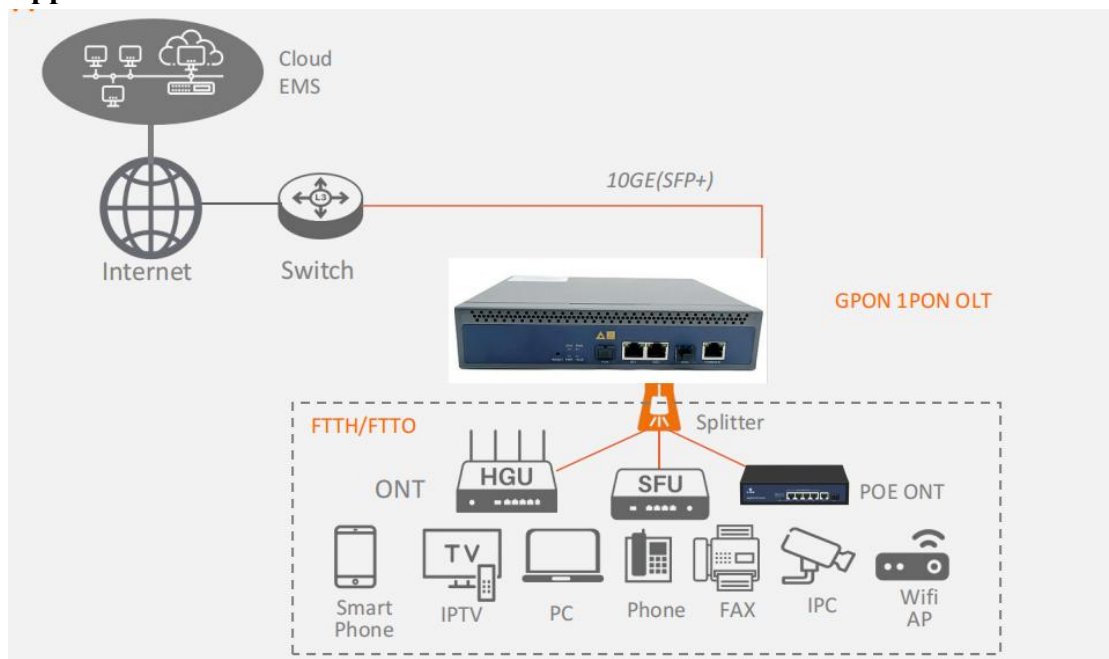# Single pon GPON OLT

Introduction：

GL-G8601T-V is a box-type GPON OLT with one PON port. The price of this OLT is very attractive and the performance is very strong. The splitting ratio of its PON port is 1:128, and the farthest transmission distance is 20KM. Its uplink and downlink bandwidth is as high as: 1.25Gbps/2.5Gbps. This OLT can be widely used in FTTH, SOHO, small business office and other application scenarios.

Application:

Technical Specifications:

Item		GL-G8601T-V
Chassis	Rack	1U
Uplink Port	QTY	3
	RJ45(GE)	2
	SFP(GE)/SFP+(10GE)	1
GPON Port Specification	QTY	1
	Fiber Type	9/125μm SM
	Connector	SC/UPC, Class C++/Class C+++
	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*CONSOLE port
Backplane Bandwidth (Gbps)		16
Port Forwarding Rate(Mpps)		23.808
Management Mode		Console/WEB/Telnet/CLI
Lightning protection level	Power supply	4KV
	Device Interface	1KV

Management Function:

Telnet,CLI,WEB;

Port Status monitoring and   configuration management

Online ONT configuration and   management

User management

Alarm management

Layer2 Switch:

1K Mac address

Support 4096 VLANs

Support port VLAN

Support VLAN tag/Un-tag, VLAN   transparent transmission

Support storm control based on port

Support port isolation

Support port rate limitation

Support 802.1D and 802.1W

Access control list

IEEE802.x flow control

Port stability statistic and   monitoring

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, 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

Dimension (L*W*H):224mm*199mm*43.6mm

Weight: Net weight of single power: 1.07kg

Power Adapter:DC 12V/2.5A,AC 85~264V, 47/60Hz(Optional)

Working Temperature:0°C ~+55°C

Storage Temperature:-40~+85°C

Relative Humidity:10~85% (non-condensing)

Ordering Information:

Product Name	Product Description	Power Configuration	Accessories
GPON 1PON OLT	1*GPON, 2*RJ45+1*SFP/SFP+	1*DC 1*AC(Optional)	1G SFP module 10G SFP+ module