A Step towards Fiber-Connected World!

UBIQCOM™

Rack-Mounted GPON OLT

UB5001 GL

Single PON PORT

1*GPON, 2*RJ45+1*SFP/SFP+

High Performance Chipset

Built-in PON optic module
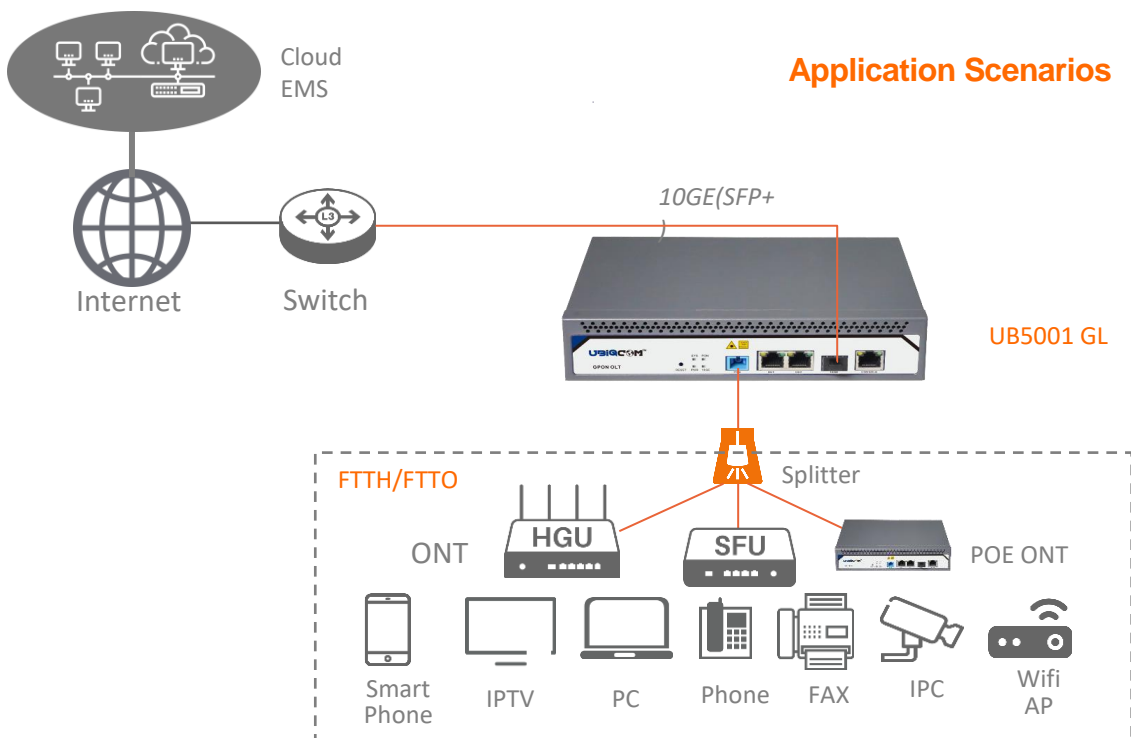Mini Metal Shell
Easy Deployment

10GE(SFP+) Uplink

Product Description

UB5001 GL is a box-type GPON OLT with one PON port. The price of UB5001 GL 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. UB5001 GL can be widely used in FTTH, SOHO, small business office and other application scenarios.

Cloud EMS

Internet

Switch

Application Scenarios

10GE(SFP+)

UB5001 GL

FTTH/FTTO

ONT

Splitter

HGU

SFU

POE ONT

Smart Phone

IPTV

PC

Phone

FAX

IPC

Wifi AP

PRODUCT FEATURES AND SPECIFICATIONS

UB5001 GL GPON OLT

Item		UB5001 GL
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 ONTconfiguration 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 flowcontrol
- 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)
- 210mm*173mm*43.6mm

Weight
- Net weight of single power: 1.07kg

Power Adapter
- 1*AC+1*DC
- DC 12V/2A
- AC 85~264V, 47/60Hz(Default)

Working Temperature
- 0°C ~+55°C

Storage Temperature
- -40~+85°C

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

PRODUCT DATASHEET