

Rack-Mounted GPON OLT

# UB5016 GL

16 PON PORTS

2 AC DUAL POWER SUPPLY



## Product Description

UB5016 GL GPON OLT products are 1U height 19 inch rack mount products. The features of the OLT are small, convenient, flexible, easy to deploy, high performance. It is appropriate to be deployed in compact room environment. The OLTs can be used for "Triple-Play", VPN, IP Camera, Enterprise LAN and ICT applications.

This product meets the requirements in device performance and size of compact server room as the product has high performance and compact size, is convenient and flexible to use, and is easy to deploy as well. Moreover, the product meets the requirements of promoting network performance, improving reliability and reducing power consumption in the perspective of access network and enterprise network and is applicable to three-in-one broadcast television network, FTTP (Fiber to the premise), video monitoring network, enterprise LAN (Local Area Network), internet of things and other network applications with a very high price/performance ratio.

## Product Features

### ► Satisfactory standard

Meet ITU-T G.984/G.988 standard and relative GPON standards of Communication Industry

### ► Easy to manage

Friendly EMS/Web/Telnet/CLI management  
CLI command style similar to mainstream manufacturers  
Support APP management

### ► Fully open platform

Open to any brand of ONT

### ► High performance cost

1U height compact design  
Adopt mainstream chip scheme

Easy-to-Use management system

Complete PON protection switching function

## PRODUCT FEATURES AND SPECIFICATIONS

# UB5016 GL GPON OLT

### GPON Port

QTY: 16  
Physical Interface: SFP Slots,  
Class C++/Class C+++ Connector Type,  
Max splitting ratio  $\leq 1:128$

### Chassis

Rack: 1U 19 inch standard box

### GE/10G Uplink Port

QTY: 16  
RJ45(GE): 4  
2\*GE(SFP) & 2\*10GE(SFP+)

### Management Ports

1\*FE out-band port,  
1\*CONSOLE port,  
1\*USB2.0,  
1\*Type-C USB(For console, G2-B)

### Operating Environment

Working Temperature:  $0\sim+50^{\circ}\text{C}$   
Storage Temperature:  $-40\sim+85^{\circ}\text{C}$   
Relative Humidity:  $5\sim90\%$  (non- conditioning)

### Management Mode

EMS, TR069 VACS, WEB, SNMP, Telnet , CLI

### Layer 2

16K Mac address;  
Support 4096 VLANs;  
Support port VLAN and protocol VLAN;  
QoS based on port, VID, TOS and MAC address;

### PON Port Specification (Class C+ module)

Transmission Distance: 20KM

### GPON port speed

Upstream: 1.244G  
Downstream: 2.488G

Wavelength: TX 1490nm, RX 1310nm  
Connector: SC/UPC  
Fiber Type: 9/125 $\mu\text{m}$  SMF  
TX Power:  $+4.5\sim+10\text{dBm}$   
Rx Sensitivity:  $\leq -30\text{dBm}$   
Saturation Optical Power:  $-12\text{dBm}$

### General Specifications

Dimension (L\*W\*H)  
442mm\*320mm\*43.6mm

Weight: 4.80kg

### AC Power Supply:

AC:  $100\sim240\text{V}$ , 47/63Hz or/and DC:  $-48\text{V}$ ,

Double Power Module Hot Backup:  $\checkmark$   
Power Consumption: 85W

### Layer 3

ARP proxy, 1024 hardware Host Routes, 512  
hardware Subnet Routes;  
Support 802.1X, Radius, Tacacs+;  
Support IP source guard;  
Support static route;  
Optional Support Dynamic route RIP v1/v2, RIPng;  
Optional Support OSPF v2/v3;

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