

Rack-Mounted EPON OLT



## UB5016 EL

16 PON PORTS EPON OLT

DUAL POWER SUPPLY

### Product Description

UB5016 EL EPON OLT product is a 1U chassis device with L3 function developed by UBIQCOM. It complies with IEEE802.3ah standard, compatible with mainstream brand ONU access, easy to build EPON network flexibly and efficiently. It is smart, easy to deploy, and high performance. It is smart, easy to deploy, and high performance, meeting the performance and volume requirements of users in different environments, and It also supports rich operation and maintenance tools such as EMS, WEB, Telnet, SSH and mobile APP, provides users with stable, efficient and value-added network access services.

The product is suitable for "Triple-Play", CPN, IP Camera, Enterprise LAN and IOT applications.

**UB5016 EL provides 4GE(copper) and 8\*SFP slots independent interface for uplink, and 16\*EPON OLT ports for downlink. It can support overall 1024 ONU's with 64 ONU's per PON port.**

### Functional characteristics

#### Satisfactory standard:

Meet IEEE802.3ah standard

#### Support IPv6 Function :

Support DN, IPv6 Ping, IPv6 Telnet  
Support ACL based on source IPv6 address, destination IPv6 address, L4 port, protocol type, etc.  
Support MLD v1/v2 snooping

#### IP route :

Support static route, dynamic route RIP v1/v2, OSPF v2

#### Easy to manage :

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

#### Fully open platform :

Open to any brand of ONU

#### High performance cost :

1U height compact design  
Adopt mainstream chip scheme

# UB5016 EL EPON OLT

## 1G/10G Uplink Port

Copper 10/100/1000M  
4 \*Downstream EPON ports  
4 \*Uplink GE ETH ports  
4 \*Uplink GE SFP ports  
4 \*Uplink 10G ports

## EPON Port

Quantity:16  
Physical Interface: SFP Slot  
Module Type: PX20+, PX20++  
Max Splitting Ratio: 1:64  
Transmission speed:  
Up and Down Symmetrical 1.25Gbps

## Management Ports

1\*10/100BASE-T out-band port,  
1\*CONSOLE port

## Management Function

Fan Group Control;  
Port Status monitoring and configuration management;  
Online ONU configuration and management;  
User management, Alarm management;

## Layer 2 Function

16K Mac address;  
Support port VLAN and protocol VLAN;  
Support 4096 VLANs;  
Support VLAN tag/Un-tag, VLAN transparent transmission, QinQ;  
Support IEEE802.3d trunk;  
Support RSTP;  
QoS based on port, VID, TOS and MAC address;  
IEEE802.x flow control;  
Port stability statistic and monitoring;  
Support P2P Function

## Ordering Information

**UB5016 EL**  
Dual AC Power

16\*EPON+4\*1GE(RJ45)+4\*1GE(SFP)/10GE(SFP+)  
**Dual AC Power**

## Multicast

IGMP snooping;  
256 IP Multicast Groups

## Support IPv6

Support DN;  
Support IPv6 Ping、 IPv6 Telnet;  
Support MLD v1/v2 snooping (Multicast Listener Discovery snooping);

## EPON Function

Support port-based rate limitation and bandwidth control;  
In compliant with IEEE802.3ah standard;  
Up to 20KM transmission Distance;  
Support Dynamic Bandwidth Allocation (DBA);  
Support ONU auto-discovery/link detection/remote upgrade of software;  
Support VLAN division and user separation to avoid broadcast storm;  
Support broadcasting storm resistance function;  
Support port isolation between different ports;  
Support ACL and SNMP to configure data packet filter flexibly;

## Management Mode

Support EMS Management Platform  
Support Telnet, CLI, WEB, SSH

Dimension(L\*W\*H)(mm):  
442mm\*320mm\*43mm

Net Weight(kg): 6.5kg

## Power Supply

AC:100~240V, 47/63Hz, DC:-48V, BBU(option for D4-BT),  
Double Power Module Hot Backup

## Operating Environment

Working Temperature 0°C ~ +50°C  
Storage Temperature -40 ~ +85°C  
Relative Humidity 5 ~ 90% (non-conditioning)

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