

E/GPON (XPON) ONU



# UB5040 GW-D

4GE + DUAL-BAND WIFI

## Product Description

**UB5040 GW-D** ONU supports EPON/GPON two modes access. The ONU automatically switches into the corresponding PON mode by identifying the local OLT mode to complete GPON/EPON/XPON adaptive access.

UB5040 GW-D has a high reliability and provides quality of service guarantee, easy management, flexible expansion and networking. It fully meets the ITU-T and IEEE technical standards and has good compatibility with third party OLT.

UB5040 GW-D integrates wireless function which meets 802.11 a/b/g/n/ac technical standards. At the same time, it also supports 2.4GHz/5GHz dual-band wireless signal. It has the characteristics of strong penetrating power and wide coverage. It can provide users with more efficient data transmission security.

## MAIN FEATURES

- In compliant with IEEE802.3ah and ITU - T G.984 standard
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Meet 802.11 a/b/g/n/ac WIFI technical standard
- Support VLAN transparent, tag configuration
- Support multicast function
- Support DHCP/Static/PPPOE internet mode
- Support port-binding
- Support OAM/OMCI+TR069 remote management
- Support data encryption and decryption function
- Support Dynamic Bandwidth Allocation (DBA)
- Support MAC filter and URL access control
- Support power-off alarm function ,easy for link problem detection
- Specialized design for system breakdown prevention to maintain stable system
- EMS network management based on SNMP ,convenient for maintenance

## PRODUCT FEATURES AND SPECIFICATIONS

# UB5040 GW-D XPON ONU

### EPON/GPON Interface

- » SC/UPC single mode single fiber
- » GPON : FSAN G.984.2 standard, Class B+
- » EPON : 1000BASE-PX20+ symmetric
- » GPON : 2.488Gbps/1.244Gbps downstream/upstream
- » EPON : 1.25Gbps downstream/upstream
- » Wavelength: Transmit: 1310nm Receiver: 1490nm
- » Receiving sensitivity: GPON : -28dBm EPON : -27dBm
- » Saturated power: GPON : -8dBm EPON : -3dBm
- » Transmitting power: GPON : 0.5~5dBm EPON:0~4dBm

### Network Management

#### Management Mode

- » OMCI, OAM, TR069, WEB, Telnet

#### Management Function

- » Status monitor, Configuration management, Alarm management, Log management

### Power Interface

- » 12V DC Power supply

### Ethernet Interface

- » 4\*10/100/1000M auto-negotiation
- » Full/half duplex mode
- » RJ45 connector
- » Auto MDI/MDI-X
- » 100m distance

### Physical Features

#### Power

- » External 12V DC/1A power supply adapter
- » Power consumption: <7W

#### Physical Specifications

- » Item Dimension : 160mm(L)\*139.5mm(W)\*28.5mm(H)
- » Item Net Weight : about 239g

#### Environmental Specifications

- » Operating temperature: 0 to 40°C
- » Operating humidity: 10% to 90 % ( Non-condensing)

## WIFI Specification

- Comply with IEEE 802.11a/b/g/n/ac protocol standard, support 2.4GHz and 5GHz
- There are four external antennas
- 5dBi antenna gain
- Maximum ideal rate up to 1.2Gbps
- 2.4GHz supports 2\*2 MIMO (Multiple-Input Multiple-Output) technology
- 5GHz supports 2\*2 MIMO (Multiple-Input Multiple-Output) technology
- Support 8 SSIDs
- Support wider RF bandwidth, up to 80MHz
- Support higher 256-QAM modulation mode
- Support MIMO-OFDM encoding mode
- Support wireless security of 64/128 bit WEP、802.1x WPA and WPA2

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