

E/GPON (XPON) ONU



UB5010 GW

1GE + WIFI

Product Description

UB5010 GW dual-mode ONU supports two mode (EPON / GPON) accesses. The ONU automatically switches into the corresponding PON mode by identifying the local OLT mode to complete GPON/EPON adaptive access.

UB5010 GW features high-performance forwarding capabilities to ensure excellent experience with Internet and HD video services. It has good third-party compatibility to work with the third party OLT, such as Huawei/ZTE/Fiber-home/Alcatel-Lucent. It provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment.

MAIN FEATURES

- In compliant with 3GPP and ITU – T G.984 standard
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Meet 11 b/g/n technical standards
- 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



PRODUCT FEATURES AND SPECIFICATIONS

UB5010 GW

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

Management

Management Mode

- » WEB, Telnet

Network Management

Management Function

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

WIFI Specification

Performance Parameters

Operating Mode: Router or bridge
Technical standard: IEEE802.11b/g/n
Frequency: 2.412 ~ 2.472 GHz
Antenna gain: 5dBi

Support rate

802.11b: 1, 2, 5.5, 11Mbps
802.11g: 6, 9, 12, 24, 36, 48, 54Mbps
802.11n: max rate 300Mbps

Channel:

2.4GHz Channel : 1,2,3,4,5,6,7,8,9,10,11,12,13

Transmit power : 802.11n: 17dBm

Encryption mode: AES, TKIP, WPA, WPA2,
WPA-PSK/WPA2-PSK

Ethernet Port (LAN)

- » 1*GE auto-negotiation RJ45 ports
- » Full/half duplex mode
- » RJ45 connector
- » Auto MDI/MDI-X
- » 100m distance

Physical Features

Power

- » External 12V/0.5A DC power supply adapter
- » Power consumption: <3W

Physical Specifications

- » Item Dimension : 125mm(L) x80mm(W) x28mm (H)
- » Item Net Weight : about 106g

Environmental Specifications

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

Power Interface

- » 12V DC Power supply

Modulation mode

- 11b : DSSS : DBPSK (1Mbps), DQPSK(2Mbps), CCK (5.5/11Mbps)
- 11g : OFDM: BPSK(6/9Mbps), QPSK(12/18Mbps), 16QAM(24/36Mbps) Q64QAM(48/54Mbps)
- 11n : MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM

Receive sensitivity

11Mbps:≤-90dBm
54 Mbps:≤-76dBm
HT20 MCS7:≤-73dBm
HT40 MCS7:≤-70dBm

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