

E/GPON (XPON) ONU

UB5021GVW

1GE+1FE+1POTS+WIFI

SINGLE BAND WIFI



Product Description

The UBIQCOM Manufactures **UB5021GVW** WIFI GPON ONU brings carrier class high-end networking solution for advanced triple play services. It compliant with ITU-T G.984 standard, Wi-Fi 802.11n dual-band wireless connection speeds of up to 300 Mbps on 2.4 GHz , Layer 2/3, and high quality VoIP as well, **UB5021GVW** GPON ONU support the comprehensive triple-play services, including voice, video (IPTV or VoD), and high-speed internet access service.

POTS Specifications

- Support SIP voice protocol
- Support H.248 voice protocol
- SIP protocol: ISP provide the port number of the main SIP proxy server and terminal VOIP
- Value range is 1-65535, system default value is 5060
- H.248 protocol: ISP provide port number of the spare MGC server and VOIP terminal
- Value range is 1~65535, system default value is 2944
- Port ringing current voltage: 50 ± 10 VAC, 30 ± 10 H

Special Function

- Port type POTS (VOIP)
- Support TR069,NAT,DMZ,DNS features
- Support Multiple SSID
- Support Multiple VLAN
- Support IPV6 , PPPoE, DHCP and Static IP configuration for WAN Interface
- Support IP, MAC filtering, Firewall Functionality in routed mode

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GPON Interface

Rate: **Upstream: 1.244Gbps Downstream: 2.488Gbps**
Interface standard:
ITU-T G.984.2/ITU-T G.984.3/ITU-TG.988 Class B+
Launch power: **Min: 0dBm Max: +5dBm**
Sensitivity: **-27dBm**
Input Power Overload: **-8dBm**

Service Interface

GPON Interface: **1 GPON Port**
Data Interface: **1 GE + 1 FE**
POTS Interface: **1 FXS Port**
WIFI Interface: **IEEE 802.11 ac/n/g/b/a wireless LAN**
Antenna Type: **2 external antennas**

WI-FI Specifications

Standard: IEEE 802.11 b/g/n
Frequency: 2.4~2.4835GHz

Transmission Speed

2.4GHz Frequency:
IEEE 802.11b : 11/5.5/2/1M(Auto)
IEEE 802.11g : 54/48/36/24/18/12/9/6(Auto)
IEEE 802.11n : 270/243/216/162/108/81/54/27Mbps, up to 300Mbps

Channel Number: 2.4GHz : 13
Spread-spectrum Technique: DSSS (Direct sequence spread spectrum)
Data Modulation: DBPSK、DQPSK、CCK and OFDM (BPSK/QPSK/16-QAM/64-QAM)

Transmission distance:

Indoor Maximum 120 meters ;
Outdoor Maximum 360 meters (The distance depends on the environment)
RF power 20dBm EIRP
Antenna 5dBi Antenna

Environmental Conditions

Storage : Temperature -10 to 70°C,
Rel. Humidity 10–90% (Non Condensing)
Operation: Temperature 0 to 45°C,
Rel. Humidity 10–90% (Non Condensing)

Power Supply and Consumption

Power Adaptor
Input: 100 to 240 V AC, 50/60 Hz; Output: 12 V, 1A
Consumption: **≤8W**

Physical Specifications

Dimensions: **180mm×120mm×31mm (L×W×H)**
Weight: **0.24KG**

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