

# BT-BCM6838G

## 1GE+3FE+VOIP+WLAN GPON ONU Product Specification

BT-BCM6838G/BT-BCM6838G+ model ONU is a user terminal device independently developed by BTPT in line with such industrial background. The device has built-in two-layer switching function and three-layer routing function. With compact structure and small appearance, it is a kind of FTTH GPON optical network unit with high performance and low power consumption, which is very suitable for the application requirements of various data services in FTTH networking scenarios of various operators.



### Features:

- Compliance with IEEE 802.3ah & itu-t g.984.x standard
- GPON:8 T-CONTs,32 GEM Ports
- Integrate OMCI and TR-069 remote configuration and maintenance
- Layer 3 Home Gateway/CPE features with Hardware NAT, support Multiple WAN, Route/Bridge mode, etc
- Layer 2 Switching, support 802.1Q VLAN, 802.1P QOS, Bandwidth Control, Spanning Tree, etc
- Support firewall level Settings, support based on URL/MAC/ IP/ address frame filtering
- Support multicast IGMP v2 proxy/ snooping, support MLD proxy/ snooping
- Qos supports PQ, WRR, and CAR queue scheduling

- Support DDSN, ALG, DMZ and UPNP

### Highlights:

- Compatible with Huawei,ZTE and Fiberhome OLT
- Support PPPoE/ Static IP/ DHCP
- Support IPv4, IPv6 and IPv4/IPv6
- Provide 300Mbps 2.4GHz Wireless , support multiple SSID Setting
- Provide POTS interface, support SIP protocol , POTS integrated circuit test complies GR-909
- Chipset :Broadcom

## Hardware Specifications

- Size: 136\*45\*166mm
- Optical signal access: 1\*GPON
- User interface:  
1GE+3FE+VOIP+WLAN+1USB/ 4FE+VOIP+WLAN+1USB
- Indicator light:  
POWER/WPS/WLAN/USB/LAN1/LAN2/LAN3/LAN4/TEL/INTERNET/LOS/PON
- Button: Power switch Button, Reset Button, WLAN Button, WPS Button
- Weight: 300g
- Power adapter input: 100V~240V AC, 50Hz~60Hz
- PowerSupply requirement: 12V DC, 1.5A
- Power consumption:<10w
- Working temperature: -10°C ~ +45°C
- Environment humidity: 5% ~ 95% (Non-condensing)

## Wireless

- Working mode: IEEE 802.11 b/g/n
- Antenna pattern: External 2T2R External antenna
- Antenna gain: 5dBi
- Wireless bandwidth: Support 20MHz/40MHz
- Interface rate: Maximum rate 300Mbps
- SSID: Up to 4 SSID broadcasts are supported

## PON Interface

- Module type: GPON Class B+ SC/PC
- Working wavelength: up 1310nm, down 1490nm
- TX Optical power value: 0.5~4dBm
- RX Optical power sensitivity:
- Receiver sensitivity: -27dBm
- Transmission distance: 0~20km
- Transmission rate: Uplink 1.244Gbps; downlink 2.488Gbps

## Ethernet Interface

- Interface type: RJ45
- Interface parameters: 1\*10/100/1000Mbps and 3\*10/100Mbps or 4\*10/100Mbps auto adaptive Ethernet interfaces

## POTS interface

- Interface type: 1\* RJ11
- Voice agreement: SIP
- Codecs: G.711/G.723/G.726/G.729
- Integrated circuit protocol: Gr-909 protocol is applicable

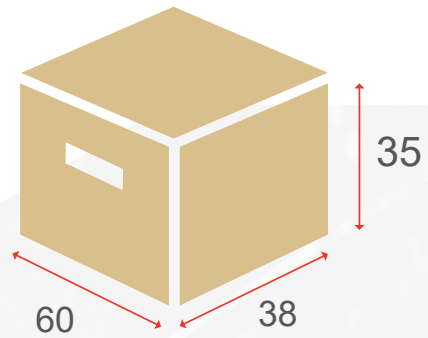
## Product Packing Size

### Package included:



- ONU \* 1 PC
- Power adaptor \*1 PC
- Manual \*1 PC
- Box \*1 PC

### Packing list:



- 32pcs/carton
- measurement: 60\*38\*35cm/carton
- GW :16kg/carton

## Interface :

USB ●

RESET ●

POWER ●

DC ●

LAN ●

TEL ●

PON ●



### Compatible with OLT Huawei/ ZTE/Fiberhome

- USB
- RESET
- POWER
- DC
- LAN
- TEL
- PON

## Application Scenario

