

## BT-713XR

### XPON With 4GE+CATV+WIFI (2.4G+5.8G) Product introduction

BT-713XR 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 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. BT-713XR is an XPON product that can be adapted to EPON and GPON networks without replacing equipment and firmware.

### Features:

- GPON: Compliance with IEEE 802.3ah & itu-t g.984.x standard
- GPON: 8 T-CONTs, 32 GEM Ports
- Integrate OMCI(GPON)/OAM(EPON) 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
- Bi-directional FEC
- 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
- Provide Maximum rate 300Mbps 2.4GHz Wireless interface, and Maximum rate 866Mbps 5.8GHz Wireless interface, 2T2R external antenna, support multiple SSID Settings
- Support DDSN, ALG, DMZ and UPNP
- Support CATV interface for Video Service, support to turn off CATV functionality



### Highlights:

- **Dual band Wi-Fi, Superior performance of Wireless 11n and 11ac Transmission**
- Compatible with 95% Third-party OLTs (Including Huawei/ZTE/Fiberhome/BT-PON and so on)
- Support EPON/GPON mode and switch mode automatically
- **Support Route PPPoE/DHCP/Static IP and Bridge mode**
- **Support CATV interface for Video Service, supporting remote control by OLT.**
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support IPv4/IPv6 dual mode
- Support Firewall function and IGMP multicast feature
- Support LAN IP and DHCP Server configuration
- Support Port Forwarding and Loop-Detect

## Hardware Specifications

- Size: 205\*140 \*30mm
- Optical signal access: 1\*GPON/EPON
- User interface: 4GE+2.4G/5.8G WLAN+1USB+-CATV
- Indicator light: POWER/PON/LOS/LAN1/LAN2/LAN3/LAN4/USB/2.4G/5G/WPS/CATV
- 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)

## PON Interface

- Module type: SC/APC
- Working wavelength: PON: up 1310nm, down 1490nm ; CATV: 1550nm
- TX Optical power value: 0.5~4dBm
- RX Optical power sensitivity: -27dBm
- Transmission distance: 0~20km
- Transmission rate:  
GPON:Up 1.244Gbps; down 2.488Gbps  
EPON:Up 1.244Gbps; down 1.244Gbps

## Ethernet Interface

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

## Wireless

- Working mode: IEEE 802.11 b/g/n/AC
- Antenna pattern: External 2\*2T2R External antenna
- Antenna gain: 5dBi
- Wireless bandwidth: Support 20MHz/40MHz/80MHz
- Interface rate:  
2.4G WLAN: Maximum rate 300Mbps  
5.8G WLAN: Maximum rate 866Mbps
- SSID: Up to 4 SSID broadcasts are supported

## CATV Interface

- Optical receiving wavelength: 1550±10nm
- Optical reflection loss: ≥45dBm
- RF, WDM, optical power: +2~-15dBm
- RF frequency range: 47~1000MHz, RF output impedance: 75Ω
- RF output level: 78dBuV
- AGC range: 0~-12dBm
- MER: ≥32dB@-15dBm

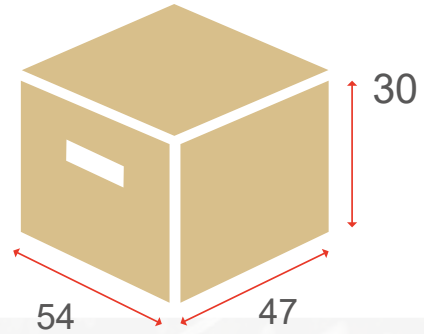
## Product Packing Size

### Package included:



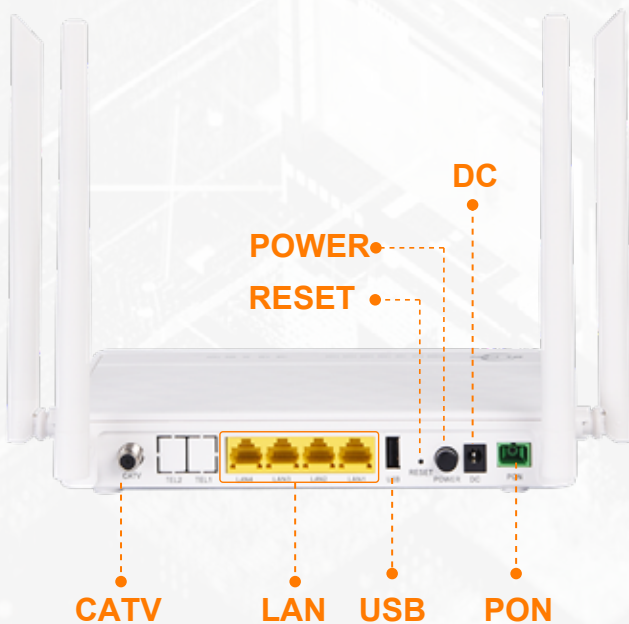
- ONU \* 1 PC
- Power adaptor \*1 PC
- Manual \*1 PC
- Box \*1 PC

### Packing list:



- 20pcs/Carton
- Measurement: 54\*47\*30cm, 14kg

## Interface :



- **Compatible with OLT Huawei/ ZTE/Fiberhome**
- **CATV function can be managed, supporting remote control.**

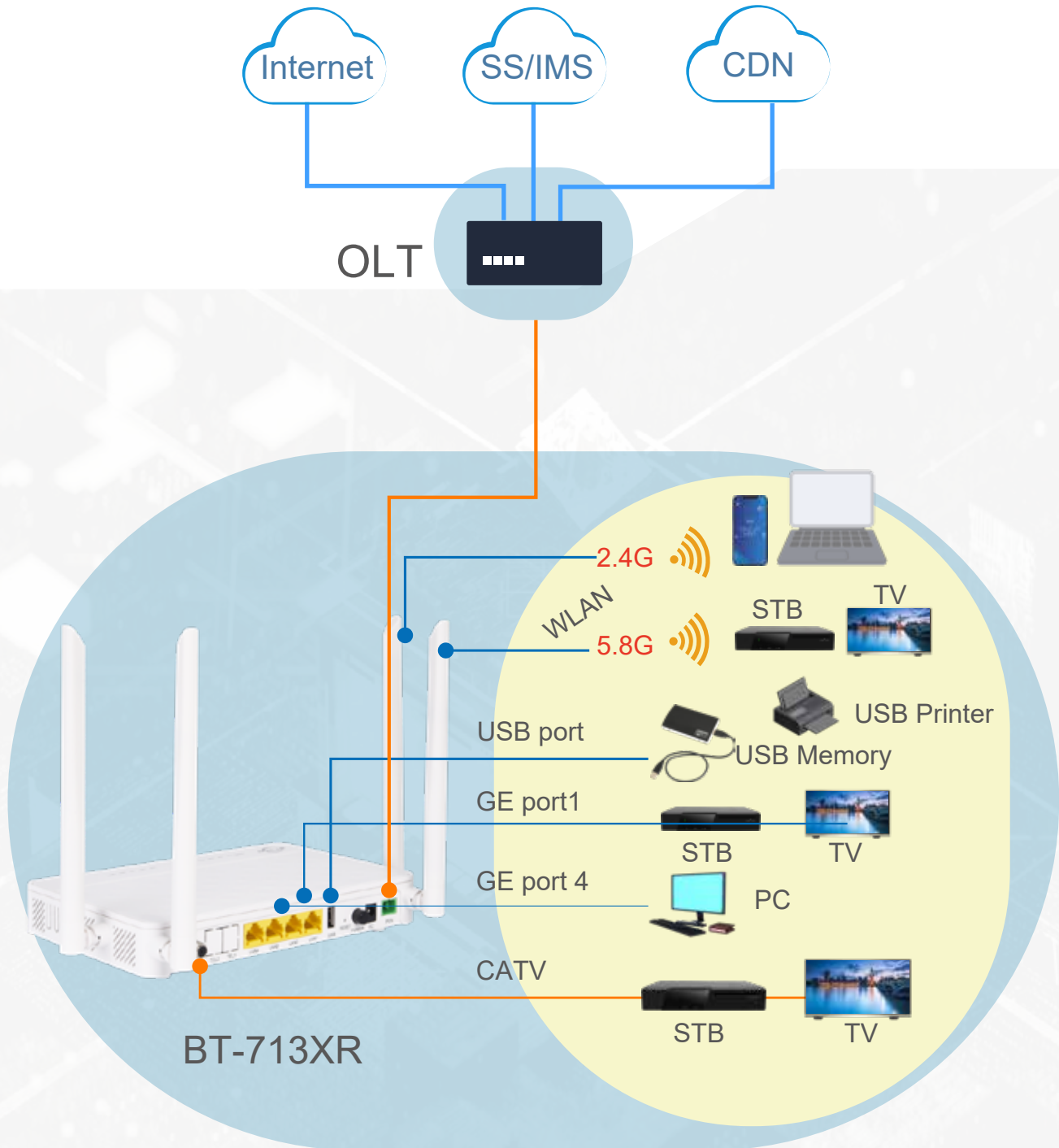
- CATV
- LAN
- USB
- RESET
- POWER
- DC
- PON



# BT-PON

Shenzhen Baitong Putian Technology Co., Ltd.

## Application Scenario



## Company Introduction

Shenzhen Baitong Putian Technology Co., Ltd. has more than 10 years experience in fiber optical equipment industry since from 2008, specializes in the research and development of optical access network technology especially ONU and OLT. It provides integrated network transmission products such as voice, data, and video based on IP networks.



### Service Support:

- Fully understand the needs of customers, and create value for customers with advanced technology, considerate service, and tailor-made solutions.
- Provides customers with a full range of after-sales service and technical support, and strive to create value for customers.

### Company Mission:

- Fight for Access the world

#### Shenzhen Baitong Putian Technology Co., Ltd.

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