



# **BT-G710AX**

4GE LAN +1 VOIP + 1 CATV+
1800M WIFI6 XPON ONU
Product Specification



#### **Product Overview**

BT-G710AX 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-G710AX is an XPON product that can be adapted to EPON and GPON networks without replacing equipment and firmware.

## **Product Specifications**

Hardware Specifications		
Size	260*160*50mm	
Optical signal access	1*GPON/EPON	
User interface	4GE LAN +1 VOIP + 1CATV+2.4G &5.8G WIFI 6	
Indicator light	POWER/PON/LOS/LAN1/LAN2/LAN3/LAN4/TEL1/USB 2.4G/5G/WPS/CATV	
Button	Power switch Button, Reset Button, WLAN Button, WPS Button	
Weight	460g	
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	Class B+ SC/APC	
Working wavelength	PON: up 1310nm, down 1490nm ,CATV: 1550nm	
TX Optical power value	0.5~4dbm	
RX Optical power sensitivity	-28dBm	
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/AX	
Antenna pattern	External 2*2T2R External antenna	
Antenna gain	5dBi	
Wireless bandwidth	Support 20MHz/40MHz/80MHz	
Interface rate	Maximum rate 1775Mbps	
SSID	Up to 4 SSID broadcasts are supported	
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	
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	

#### **Features**

- Support EPON/GPON mode and switch mode automatically
- 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

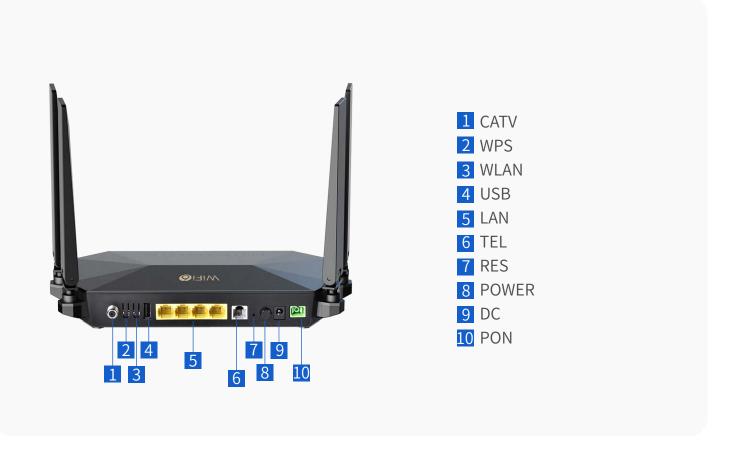
- Provide Maximum rate 1775Mbps Wireless interface, 2T2R external antenna, support multiple SSID Settings
- Support DDSN, ALG, DMZ and UPNP
- Provide POTS interface, support SIP protocol, POTS integrated circuit test complies GR-909
- Support CATV interface for Video Service, support to turn off CATV 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)
- Spport 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

#### **Interface**

Compatible with OLT Huawei/ZTE/Fiberhome



# **Networking application**

Typical access scheme: FTTH

Typical services: broadband Internet access, WIFI

