



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 | 205*140*30mm |
| 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 | 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 | 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 DDNS, 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)
- 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

Interface

Compatible with OLT Huawei/ZTE/Fiberhome

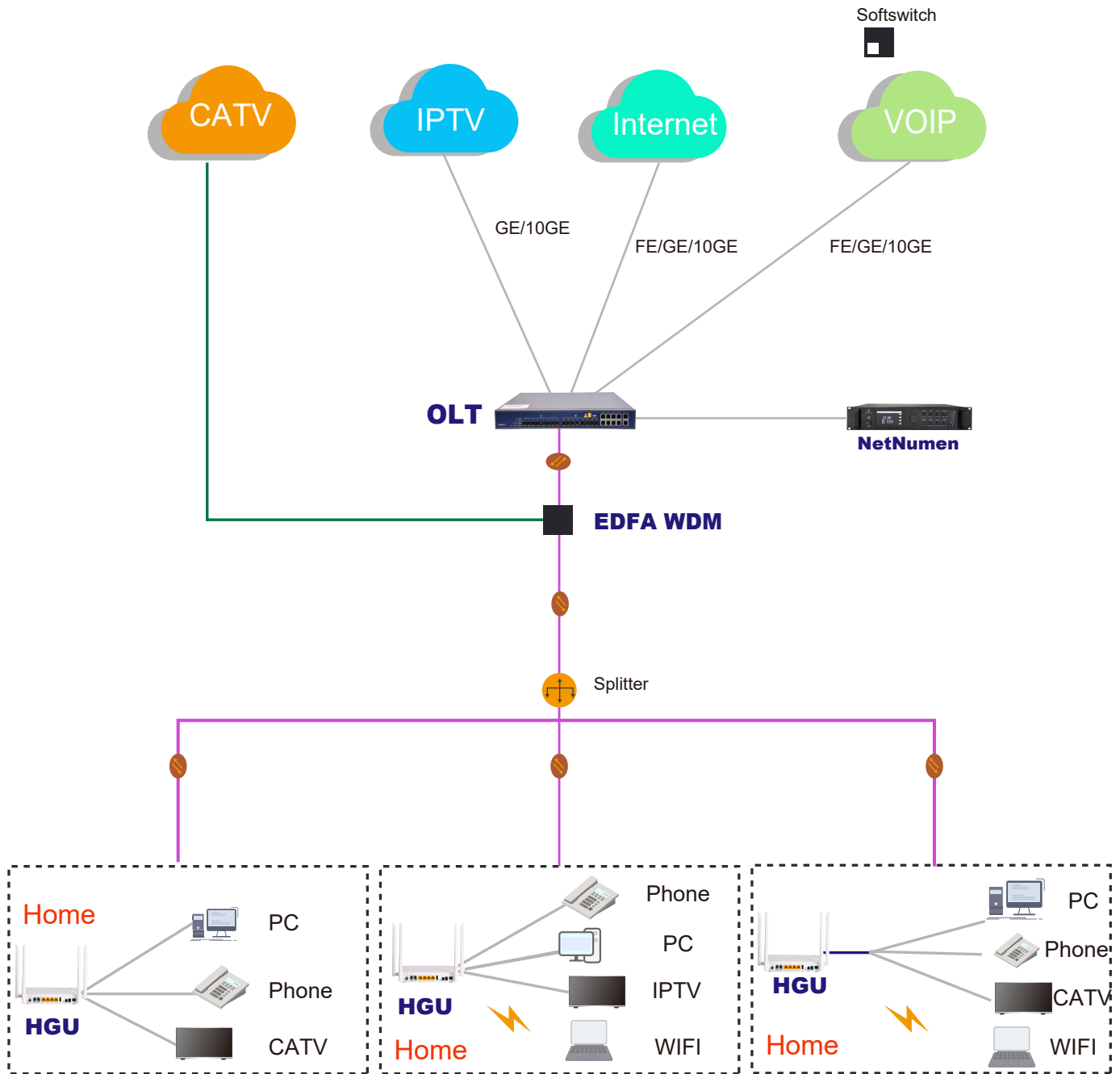


- 1** CATV
- 2** WPS
- 3** WLAN
- 4** USB
- 5** LAN
- 6** TEL
- 7** RES
- 8** POWER
- 9** DC
- 10** PON

Networking application

Typical access scheme: FTTH

Typical services: broadband Internet access, WIFI



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