BT-G716AX

**2GE+1POTS+AX1500 WIFI6
XPON ONU Product Specification**

Product Overview

BT-G716AX 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-G716AX is an XPON product that can be adapted to EPON and GPON networks without replacing equipment and firmware.

Product Specifications

Hardware Specifications

Size	170*105*31mm
Optical signal access	1*GPON/EPON
User interface	2GE+1VOIP+AX1500 WIFI6
Indicator light	POWER/PON/LOS/LAN1/LAN2/FXS/2.4G/5G/WPS
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/UPC
Working wavelength	PON: up 1310nm，down 1490nm
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	2*RJ45
Interface parameters	2*10/100/1000Mbps auto adaptive Ethernet interfaces

Wireless

Working mode	IEEE 802.11 b/g/n/AC、AX
Antenna pattern	External 2T2R External antenna
Antenna gain	5dBi
Wireless bandwidth	Support 20MHz/40MHz/80MHz
Interface rate	Maximum rate 2.4G: 300Mbps 5.8G: 1200Mbps
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

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 1500Mbps 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

Highlights

- Dual band Wi-Fi, Superior performance of Wireless 11n and 11ax 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 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 POWER
2 WPS
3 RESET
4 LAN
5 FXS

Networking application

Typical access scheme: FTTH
Typical services: broadband Internet access, WIFI