



# BT-TG733AX

1\*2.5GE+3\*GE LAN+WIFI6 AX3000

XGPON ONU

Product Specification



## Product Overview

BT-TG733AX model ONU is a user terminal device independently developed by our company 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-TG733AX is an XGPON product that can be adapted to XGPON networks without replacing equipment and firmware.

## Product Specifications

| Hardware Specifications      |  |
|------------------------------|--|
| Size                         | 264*170*55mm   |
| Optical signal access        | 1*XGPON  |
| User interface               | 1*2.5GE+3*GE+2.4G/5.8G WIFI 6 AX3000   |
| Indicator light              | POWER/PON/LOS/LAN1/LAN2/LAN3/LAN4/USB<br>2.4G/5G/WPS   |
| 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/UPC  |
| Working wavelength           | PON: up 1270nm, down 1577nm  |
| TX Optical power value       | 2-7dBm   |
| RX Optical power sensitivity | -30dBm   |
| Transmission distance        | 0~20km   |
| Transmission rate            | Up 2.5Gbps; down 10Gbps  |
| Ethernet Interface           |  |
| Interface type               | 4*RJ45   |
| Interface parameters         | 1*10/100/1000/2.5G BASE-T Ethernet adaptive<br>3*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/160MHz   |
| Interface rate     | 2.4G: IEEE 802.11ax: 2x2, up to 574Mbps<br>5G: IEEE 802.11ax: 2x2, up to 2,402Mbps |
| SSID               | Up to 4 SSID broadcasts are supported  |

## Features

- Compliance with IEEE 802.3ah & itu-t g.987.x standard
- 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
- 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 3000Mbps Wireless interface, 2T2R external antenna, support multiple SSID Settings
- Support DDSN, ALG, DMZ and UPNP

## Highlights

- Dual band Wi-Fi, Superior performance of Wireless 11n and 11ac/ax Transmission
- Compatible with 95% Third-party OLTs (Including Huawei/ZTE/Fiberhome and so on)
- 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

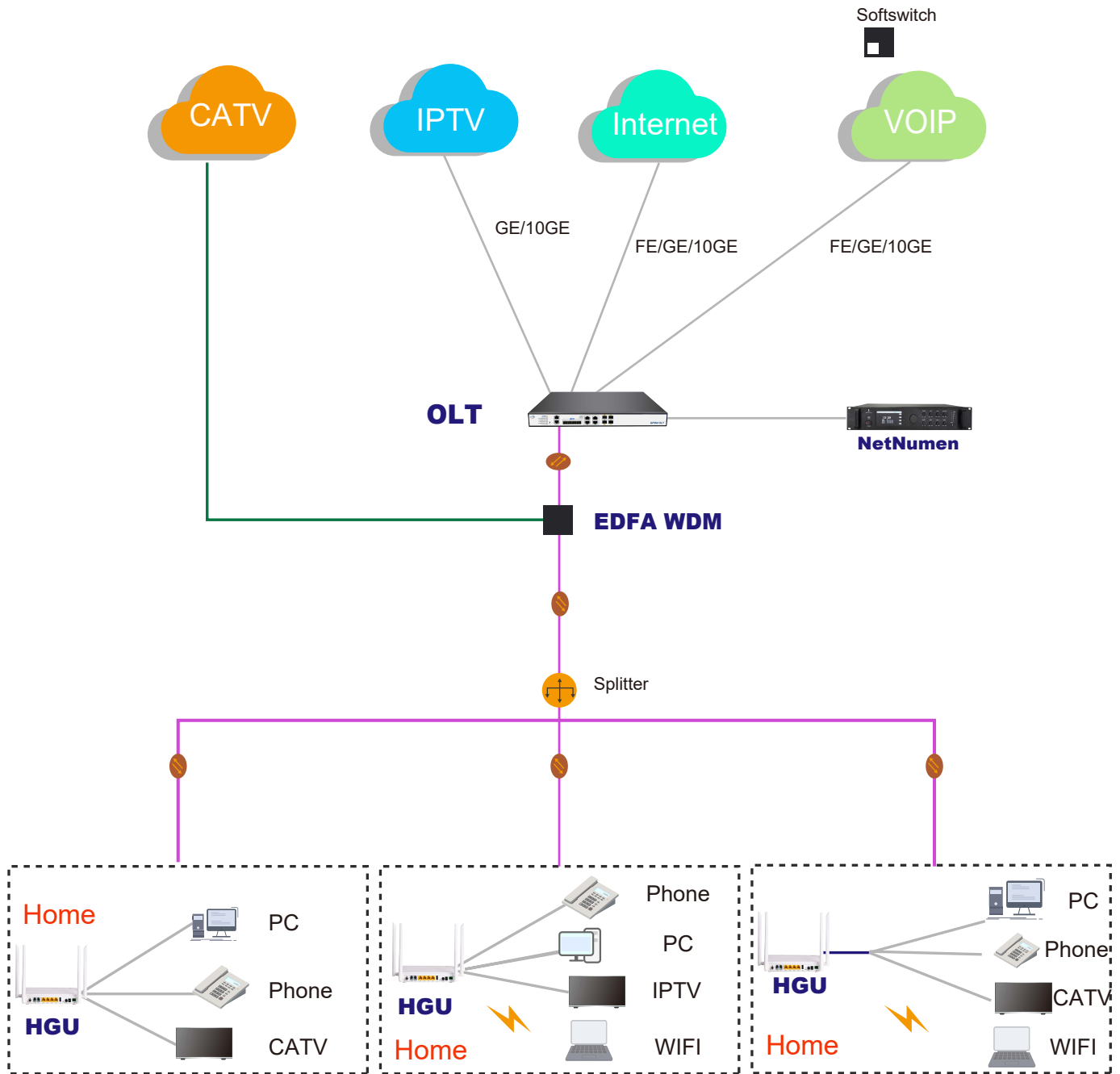


- 1 LAN
- 2 2.5G
- 3 USB
- 4 RES
- 5 POWER
- 6 DC
- 7 PON

# Networking application

Typical access scheme: FTTH

Typical services: broadband Internet access, WIFI



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