BY FIBER SYSTEM

PRODUCT MANUAL

BTPON BT-211XR

BTPON
BT-211XR

Product Overview

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PON is a mature optical fiber access network technology, which integrates the advantages of low cost, high bandwidth, strong expansibility and other advantages. It adopts the passive spectral network and point-to-multipoint structure, which changes the problems existing in the active optical network such as many fault points, difficult maintenance and high operating costs.

BT-211XR 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-211XR is an XPON product that can be adapted to EPON and GPON networks without replacing equipment and firmware.
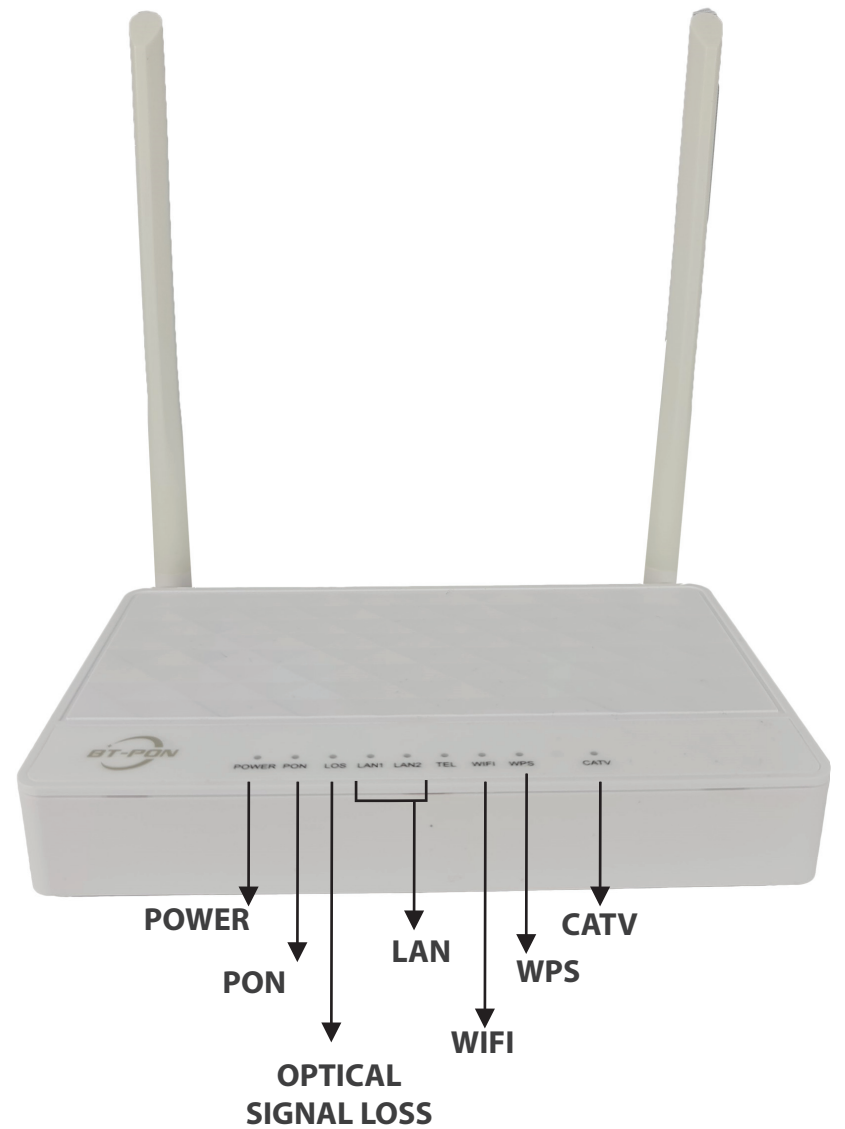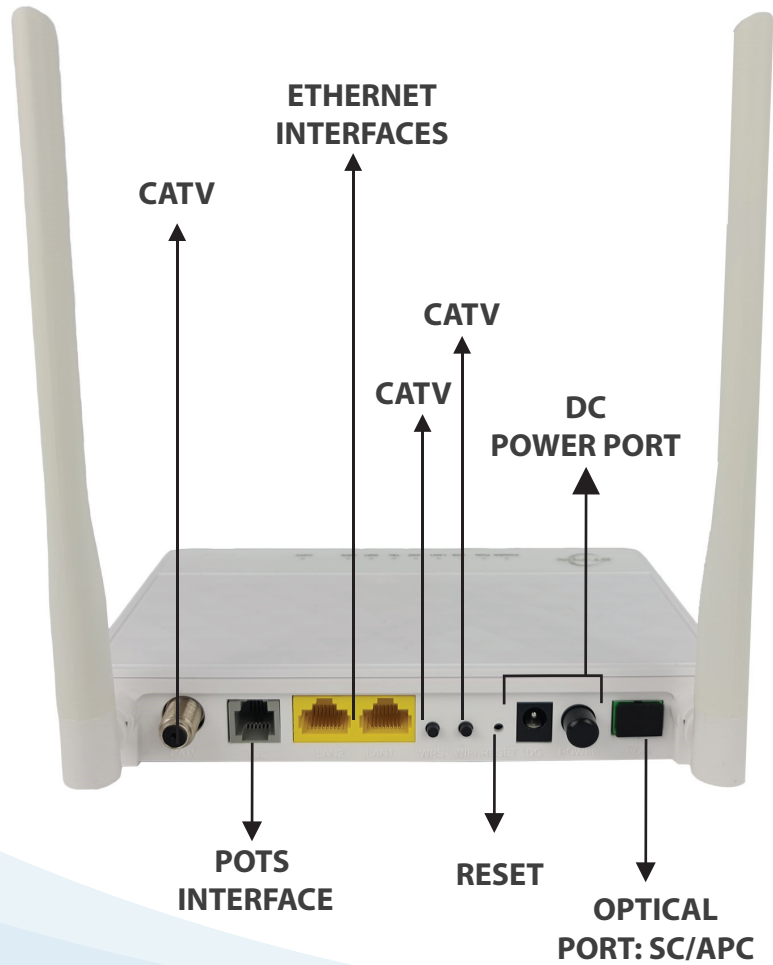
Main Characteristics

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- Support multicast IGMP v2 proxy/ snooping, support MLD proxy/ snooping
- Qos supports PQ, WRR, and CAR queue scheduling
- Provide 300Mbps 2.4GHz Wireless interface,2T2R external antenna, support multiple
- 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 for WPA, WPA2, WPA-PSK / WPA2-PSK security ciphers to improve the security level.

- 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
- Support PPPoE/ Static IP/ DHCP
- Support IPv4, IPv6 and IPv4/IPv6
- Support firewall level Settings, support based on URL/MAC/ IP/ address frame filtering

Detailed Description

CATV

ETHERNET INTERFACES

CATV

CATV

DC POWER PORT

POTS INTERFACE

RESET

OPTICAL PORT: SC/APC

POWER

PON

OPTICAL SIGNAL LOSS

LAN

WIFI

WPS

CATV

BT-PON

POWER PON LOS LAN1 LAN2 TEL WIFI WPS CATV

Technical Specifications

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Hardware Specifications

Size（L*W*H）	168mm (L) *130mm (W) *28mm (H)
Optical signal access	1*GPON/EPON
User interface	1GE+1FE+VOIP+2.4G WLAN +CATV
Indicator light	POWER、PON、LOS、LAN1、LAN2、TEL、WIFI、WPS、CATV
Button	Power switch Button, Reset Button, WLAN Button, WPS Button
Weight	230g
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	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	1*10/100/1000Mbps and 1*10/100Mbps

Wireless

Working mode	IEEE 802.11 b/g/n
Antenna pattern	External 2T2R External antenna
Antenna gain	5dBi
Wireless bandwidth	Support 20MHz/40MHz
Interface rate	Maximum rate 300Mbps
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,	+2~-15dBm

Packaging & Delivery

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Packaging Details: Wireless Router, Power Supply

Packing case

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