



## ONTX-W618RF

### XG-PON ONU 4GE+CATV+WIFI6(2.4G +5G) Product introduction

ONTX-W618RF is launched to be oriented to multi-service integration network as an optical network unit device, which belongs to XG-PON HGU terminal for FTTH/O scenario. It configures four 10/100/1000Mbps ports, WiFi6(2.4G+5G) port and RF interface that providing with high-speed data services and high-quality video services to users.



#### Features: -----

- Compliance with ITU-T G.987.x standard
- Compliance with IEEE802.11 b/g/n/ax 2.4G & IEEE802.11a/n/ac/ax 5G WIFI standard
- Support IPV4 & IPV6 Management and transmission
- Support TR-069 remote configuration and maintenance
- Support Layer 3 gateway with hardware NAT
- Support Multiple WAN with Route/Bridge mode
- Support Layer 2 802.1Q VLAN, 802.1P QoS, ACL etc
- Support IGMP V2 and MLD proxy/ snooping
- Support DDNS, ALG, DMZ, Firewall and UPNP service
- Support CATV interface for video service
- Support bi-directional FEC

#### Highlights: -----

- Support docking compatibility with OLT of various manufacturers
- Support automatically adapt to the EPON or GPON mode used by the peer OLT
- Support 2.4 and 5G Hz dual band WIFI
- Support multiple WIFI SSID
- Support EasyMesh WIFI function
- Support WIFI WPS function
- Support multiple wan configuration
- Support WAN PPPoE/DHCP/Static IP/Bridge mode.
- Support CATV video service
- Support fast transmission of hardware NAT
- Support OFDMA, MU-MIMO, 1024-QAM

## Hardware Specifications:-----

- interface: 1\* PON+4\*GE+2.4G/5G WLAN+1\*RF
- Power adapter input: 100V-240V AC, 50Hz-60Hz
- Power Supply: DC 12V/1.5A
- Indicator light: POWER/PON/LOS/LAN1/ LAN2 LAN3/LAN4/2.4G/5G/RF/OPT
- Button: Power switch Button, Reset Button, WLAN Button, WPS Button
- Power Consumption: <18W
- Working temperature: -20°C ~ +55°C
- Environment humidity: 5% ~ 95% (non-condensing)
- Dimension: 180mm x 133mm x 28mm (L×W×H Without antenna)
- Net Weight: 0.31Kg

## PON Interface:-----

- Interface Type: SC/APC
- Transmission distance: 0~20km
- Working wavelength: Up 1270nm; Down 1577nm; CATV 1550nm
- RX Optical power sensitivity: -27dBm
- Transmission rate:  
XG-PON: Up 2.5Gbps; Down 10Gbps

## Ethernet Interface :-----

- Interface type: 4\* RJ45
- Interface parameters: 10/100/1000BASE-T

## Wireless:-----

- Interface type : External 2\*2T2R External antenna
- Antenna gain: 5dBi
- Interface maximum rate:  
2.4G WLAN: 573.5Mbps  
5G WLAN: 1201Mbps
- Interface working mode:  
2.4G WLAN: 802.11 b/g/n/ax  
5G WLAN: 802.11 a/n/ac/ax

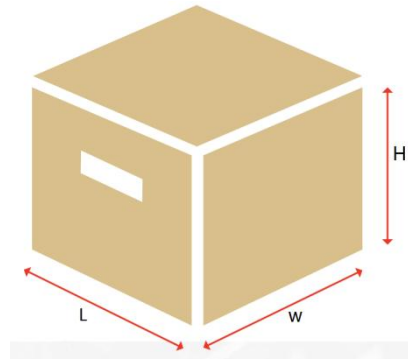
## CATV Interface:-----

- Interface type: 1\*RF
- Optical receiving wavelength: 1550nm
- RF output level :  $80 \pm 1.5$ dBuV
- Input optical power: 0~-15dBm
- AGC range: 0~-12dBm
- Optical reflection loss: >14
- MER: >31@-15dBm

## Packing list: -----

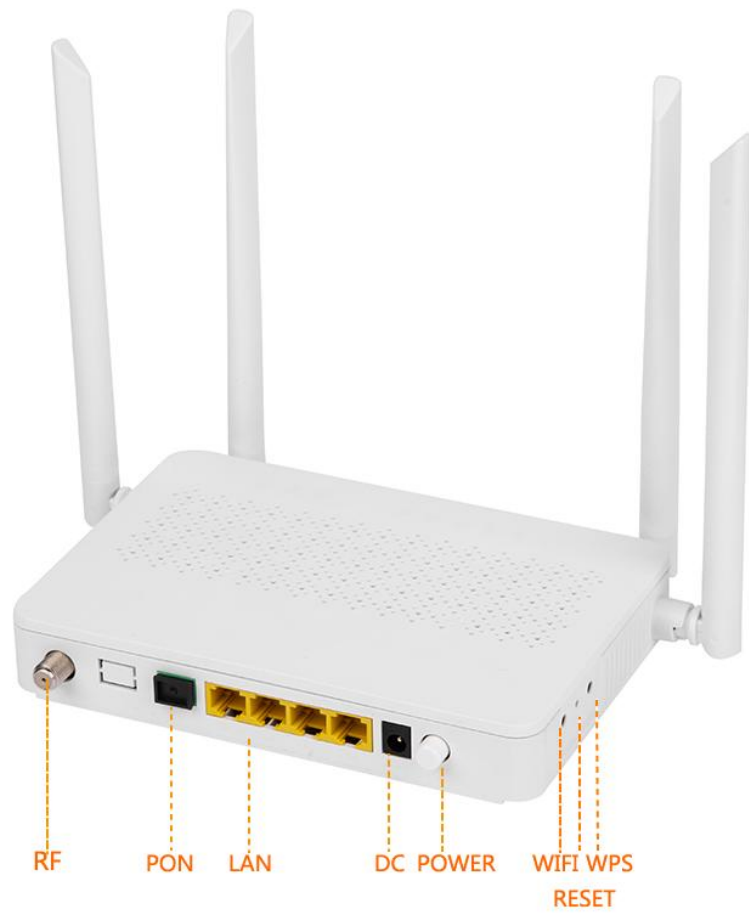
ONU \* 1 PCS  
Power adaptor \*1 PCS  
Network cable \*1 PCS  
Box \*1 PCS

## Packing size: -----



Measurement: 27.5 \* 25.8 \* 5.8 cm, 0.5kg

## Interface and Button: -----



Application Scenario: -----

