# 4GE+VOIP+5GWIFI
# XPON ONU

## 1.1 Product Description

The 4GE+VOIP+5GWIFI dual-frequency ONT is one of the G/EPON optical network unit design to meet the requirement of the broadband access network to deliver triple-play services to the subscriber in FTTH, the ONT incorporates interoperability, key customers' specific requirements and cost-efficiency,supports the full of services including voice ,video, and high speed internet access. have a high reliability and provide quality of service guarantee, easy management, flexible expansion and networking. It's fully meet the ITU-T technical standards and have good compatibility with third party manufacturers OLT.

## 1.2 Main Features

· Supports 802.11ac, Compatible with 802.11 b/g/n/ac products.

· Dual band - for combined wireless speeds of up to 1200bps at 2.4GHz and 5GHz band concurrently.

· Support downstream 2.5Gbps and upstream to 1.25Gbps with transmission distance to 20Km.

· Fiber access and gigabit port provide incredibly fast transfer speeds.

· Supports OMCI (ONT Management Control Interface) remote management.

· TDM inner transmission, support Native TDM type and CES over GEM.

## 1.3 Data Service

The ONT is delivered with 4×1000 Base-T interface, supporting:

· Auto-negotiation and MDI/MDIX auto-sensing

· Built-in layer-2 switch

· Advanced data features such as VLAN tag manipulation, classification, and filtering

· Built-in layer-3 routing and residential gateway

# 1.4 Product Specification

| Item | 4GE+VOIP+5GWIFI |
|---|---|
| PON interface | 1×G/EPON port<br>Receiving sensitivity: ≤ -28dBm<br>Transmitting optical power: 0~+4dBm<br>Transmission distance: 20KM |
| Wavelength | TX1310nm，RX1490nm |
| Optical interface | SC/PC connector |
| LAN interface | 4×1000Mbps |
| Port | USB 2.0 ports and 1×POTS RJ11 connector |
| VOIP Standards | SIP (RFC3261), ITU-T<br>G.729/G.722/G.711a/G.711 |
| WiFi interface | IEEE802.11b/g/n/ac<br>2.4 GHz~ 5.8GHZ<br>IEEE 802.11b: 1,2,5.5,11Mbps<br>IEEE 802.11g: 6,9,12,18,24,36,48,54Mbps<br>IEEE 802.11n: up to 200 Mbps 802.11ac<br>External Antenna |
| Wireless Security | WEP, WPA / WPA2, WPA-PSK/<br>WPA2-PSK encryption |
| Power supply | DC12V 1.5A |
| Operating condition | Temperature: -5℃～45℃<br>Humidity: 10%～90%（non-condensing） |
| Storing condition | Temperature: -30℃～+60℃<br>Humidity: 10%～90%（non-condensing） |