

1GE+3FE+VOIP+5GWIFI XPON ONU

1.1 Product Description

The 1GE+3FE+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 1*1000,3*100 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	1GE+3FE+VOIP+5GWIFI
PON interface	1×G/EPON port Receiving sensitivity: ≤ -28dBm Transmitting optical power: 0~+4dBm Transmission distance: 20KM
Wavelength	TX1310nm, RX1490nm
Optical interface	SC/PC connector
LAN interface	1*1000Mbps , 3*100Mbps
Port	USB 2.0 ports and 1×POTS RJ11 connector
VOIP Standards	SIP (RFC3261), ITU-T G.729/G.722/G.711a/G.711
WiFi interface	IEEE802.11b/g/n/ac 2.4 GHz~ 5.8GHZ IEEE 802.11b: 1,2,5.5,11Mbps IEEE 802.11g: 6,9,12,18,24,36,48,54Mbps IEEE 802.11n: up to 200 Mbps 802.11ac External Antenna
Wireless Security	WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK encryption
Power supply	DC12V 1.5A
Operating condition	Temperature: -5°C~45°C Humidity: 10%~90% (non-condensing)
Storing condition	Temperature: -30°C~+60°C Humidity: 10%~90% (non-condensing)