

Single Band XPON Router Technical Data Sheet

1GE+3FE+1POT+1USB+WIFI

NTPL-XPON1GFEVN



1. Overview

- NTPL-XPON1GFEVN is designed as HGU (Home Gateway Unit) in different FTTH solutions. The carrier-class FTTH application provides different services access.
- NTPL-XPON1GFEVN is based on mature and stable, cost-effective GPON technology.
- NTPL-XPON1GFEVN adopts high reliability, easy management, configuration flexibility and good quality of service guarantees to meet the technical performance GPON Standard of ITU-TG. 984.X and EPON standard of IEEE802.3ah.

2. Functional Feature

- Support GPON mode and EPON mode
- Support Route mode for PPPoE/IPoE/Static IP and Bridge mode
- Support IPv4 and IPv6 Dual mode
- Support 2.4G WIFI and 2*2 MIMO
- Support SIP Protocol for Voip Service
- Support LAN IP and DHCP Server configuration
- Support Port Mapping and Loop-Detect
- Support Firewall function and ACL function
- Support IGMP Snooping/Proxy multicast feature
- Support TR069 remote configuration and maintenance
- Specialized design for system breakdown prevention to maintain stable system

3. Hardware Specification

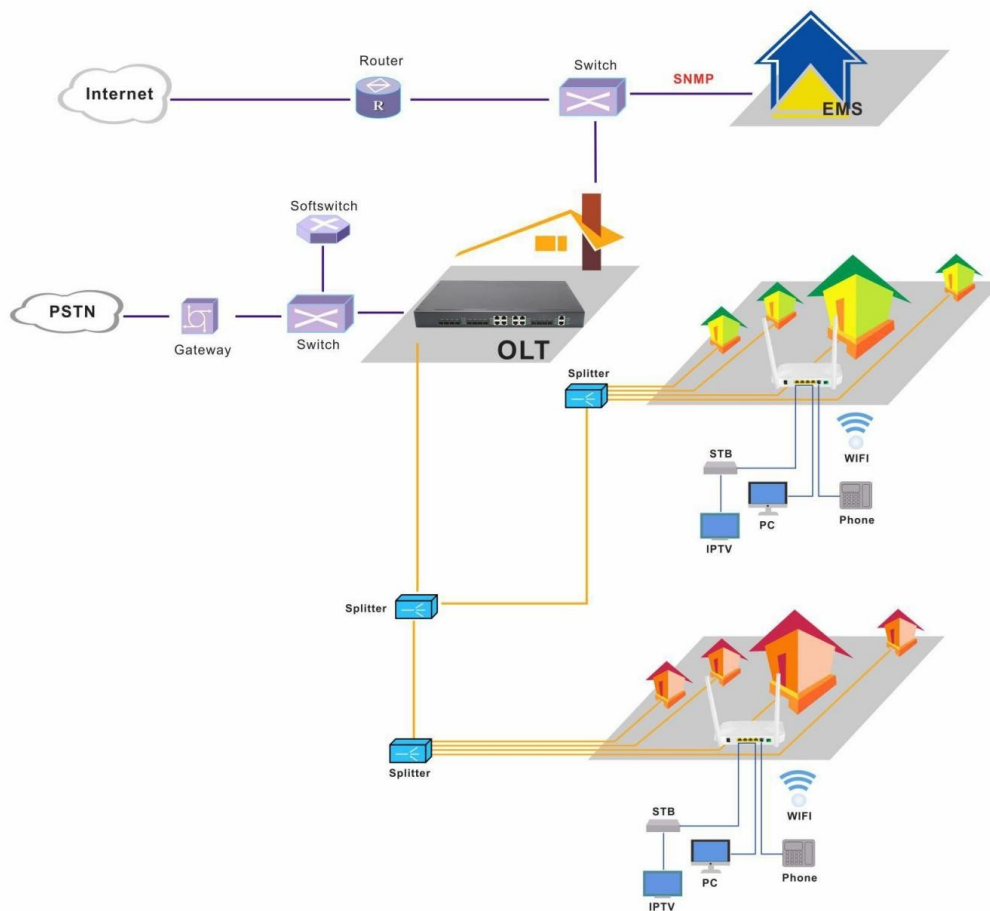
Technical item	Details
PON Interface	1 GPON/EPON (Class B+)
	Receiving sensitivity: ≤-27dBm
	Transmitting optical power: +0.5~+3dBm
	Transmission distance: 20KM
Wavelength	TX: 1310nm, RX: 1490nm
Optical Interface	SC/UPC Connector
Chip Spec	CPU 950MHz, DDR2 128MB
Flash	SPI NAND Flash 128MB
LAN Interface	1 x 10/100/1000Mbps (GE) and 3 x 10/100Mbps (FE) auto adaptive Ethernet interfaces. Full/Half, RJ45 connector
Wireless	Compliant with IEEE802.11b/g/n
	Operating frequency: 2.400-2.4835GHz
	support MIMO, rate up to 300Mbps
	2T2R,2 external antenna 5dBi
	Support: Multiple SSID
	Channel: Auto
	Modulation type: DSSS, CCK and OFDM
Encoding scheme: BPSK, QPSK, 16QAM and 64QAM	
POTS interface	1 FXS, RJ11 connector
	Support: G.711/G.723/G.726/G.729 codec
	Support: T.30/T.38/G.711 Fax mode, DTMF Relay
	Line testing according to GR-909
LED	10 LED, For Status of WIFI、WPS、PWR、LOS、PON、LAN1~LAN4、FXS
Push-Button	3, For Function of Reset, WLAN, WPS
Operating Condition	Temperature: 0℃~+50℃
	Humidity: 10%~90% (non-condensing)
Storing Condition	Temperature: -30℃~+60℃
	Humidity: 10%~90% (non-condensing)
Power Supply	DC 12V/1A
Power Consumption	≤6W
Dimension	180mm×107mm×28mm (L×W×H)
Net Weight	0.2Kg

4. Panel lights Introduction

Pilot Lamp	Status	Description
WIFI	On	The WIFI interface is up.
	Blink	The WIFI interface is sending or/and receiving data (ACT).
	Off	The WIFI interface is down.
WPS	Blink	The WIFI interface is securely establishing a connection.
	Off	The WIFI interface does not establish a secure connection.
PWR	On	The device is powered up.
	Off	The device is powered down.
LOS	Blink	The device does not receive optical signals or with low signals.
	Off	The device has received optical signal.
PON	On	The device has registered to the PON system.
	Blink	The device is registering the PON system.
	Off	The device registration is incorrect.
LAN1~LAN4	On	Port (LANx) is connected properly (LINK).
	Blink	Port (LANx) is sending or/and receiving data (ACT).
	Off	Port (LANx) connection exception or not connected.
FXS	On	Phone has registered to the SIP Server.
	Blink	Phone has registered and data transmission (ACT).
	Off	Phone registration is incorrect.

5、 Application

- Typical Solution: FTTH(Fiber To The Home)
- Typical Business: INTERNET、



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