PU-X810P 1GE + PoE PD

Overview

PU-X810P dual-mode ONU is one of the XPON optical network unit design to meet the requirement of the broadband access network. It apply in FTTH/FTTO to provide the data, video service based on the XPON network.

PU-X810P dual-mode ONU supports both EPON and GPON modes access. It automatically switches into the corresponding PON mode by identifying the front end OLT mode to complete GPON or EPON adaptive access.

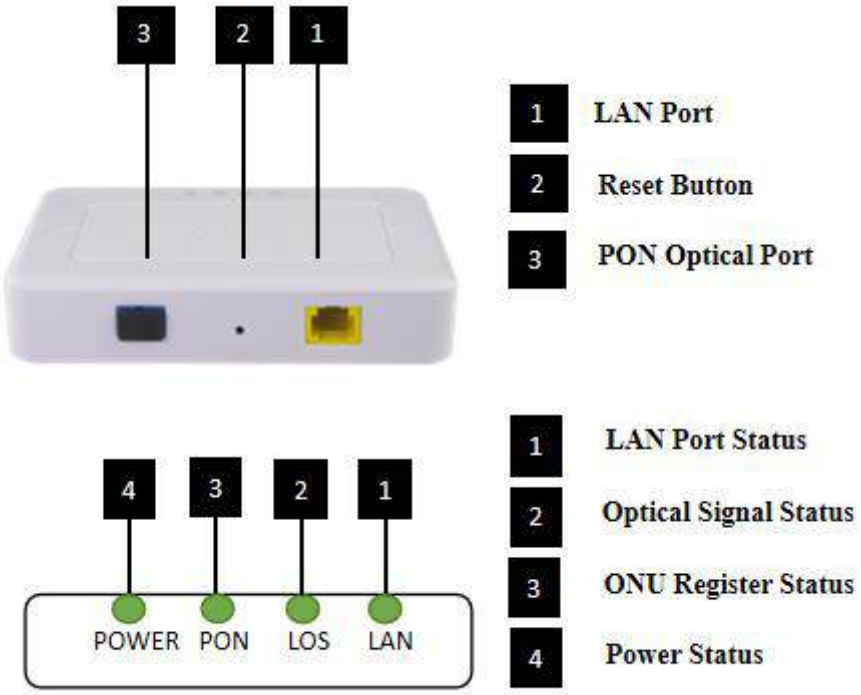
PU-X810P fully meets IEEE802.3ah and ITU-T G984.X standard protocol. It has a high reliability and provide quality of service guarantee, easy management, flexible expansion and networking. It has good third-party compatibility to work with the third party OLT, such as Huawei/ZTE/Fiberhome/Alcatel-Lucent.

Features

- In compliant with IEEE802.3ah and ITU - T G.984 standard
- Support POE supply power(PD)
- Support POE switch power supply
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support multiple registration methods
- Support port VLAN configuration
- Support mac-address learning
- Support port-based rate limitation and bandwidth control
- Support port flow-control

- Support broadcasting storm resistance function
- Support igmp transparent/snooping/proxy mode
- Support remote management configuration
- Support Dynamic Bandwidth Allocation (DBA)
- Support data encryption and decryption
- Support three layer routing function
- EMS network management based on SNMP, convenient for maintenance
- Support power-off alarm function, easy for link problem detection

Product Interface and LED Definitions



Indicator			Description
1	LAN	LAN port status	On: Ethernet connection is normal; Blinking: Data is being transmitted through the Ethernet port; Off: Ethernet connection is not set up;
2	LOS	XPON optical signals	On: Optical power lower than receiver sensitivity ; Off: Optical in normal
3	PON	ONT Register	On: Success to register to OLT; Blinking: In process of registering to OLT; Off: In process of registering to OLT;
4	PWR	Power status	On: The ONT is power on; Off: The ONT is Power off;

Specification

Item	Parameters	Specification
Interface	EPON/GPON Interface	SC/UPC single mode single fiber GPON： FSAN G.984.2 standard, Class B+ EPON： 1000BASE-PX20+ symmetric GPON： 2.488Gbps/1.244Gbps downstream/upstream EPON： 1.25Gbps downstream/upstream Wavelength: Transmit: 1310nm Receiver: 1490nm Receiving sensitivity : GPON： -28dBm EPON： -27dBm Saturated power : GPON： -8dBm EPON： -3dBm Transmitting power : GPON： 0.5～5dBm EPON:0～4dBm
	Ethernet Port(LAN)	1*10/100/1000M auto-negotiation Full/half duplex mode RJ45 connector Auto MDI/MDI-X 100m distance
Management	Management Mode	OMCI, OAM,WEB, Telnet
	Management Function	Status monitor, Configuration management, Alarm management, Log management
Environmental Specifications	Power	Support POE supply power(PD) PD input Voltage: 36~57V DC Machine power consumption: <4W
	Dimensions	Item Dimension： 125mm(L) x80mm(W) x28mm (H) Item Net Weight： about 106g
	Environment	Operating Temperature： 0～40℃ Operating Humidity： 10%～90%(Non-condensing)

Application

- ✧ Solution： FTTH
- ✧ Business： Broadband Internet