

FD600-108F-HZ500 8Ethernet Port EPON ONU



Overview

FD600-108F-HZ500 series is designed for FTTB/FTTO application. FD600-108F-HZ500 series has 8 10/100BASE-T ports , 1 PON port. They support 1000Base-PX20+ standard with 1:64 maximum optical splitting ratio and 20km distance.

They work together with EPON OLT could realize flexible network structure and maintenance and provide total FTTx solutions.

FD108BN series supports POE power supply mode, which is suitable for passive installation; At the same time, it supports BBU battery backup power management, large current quick charge, over charge and floating charge. When the external power supply network broke, the battery power supply could work.

It designed based ZTE xPON chipset. The chipset support GPON/EPON/P2P mode ; comply with G.984、 G.983 standards, and 802.3-2005、 CTC EPON standards, good in compatible in xPON。

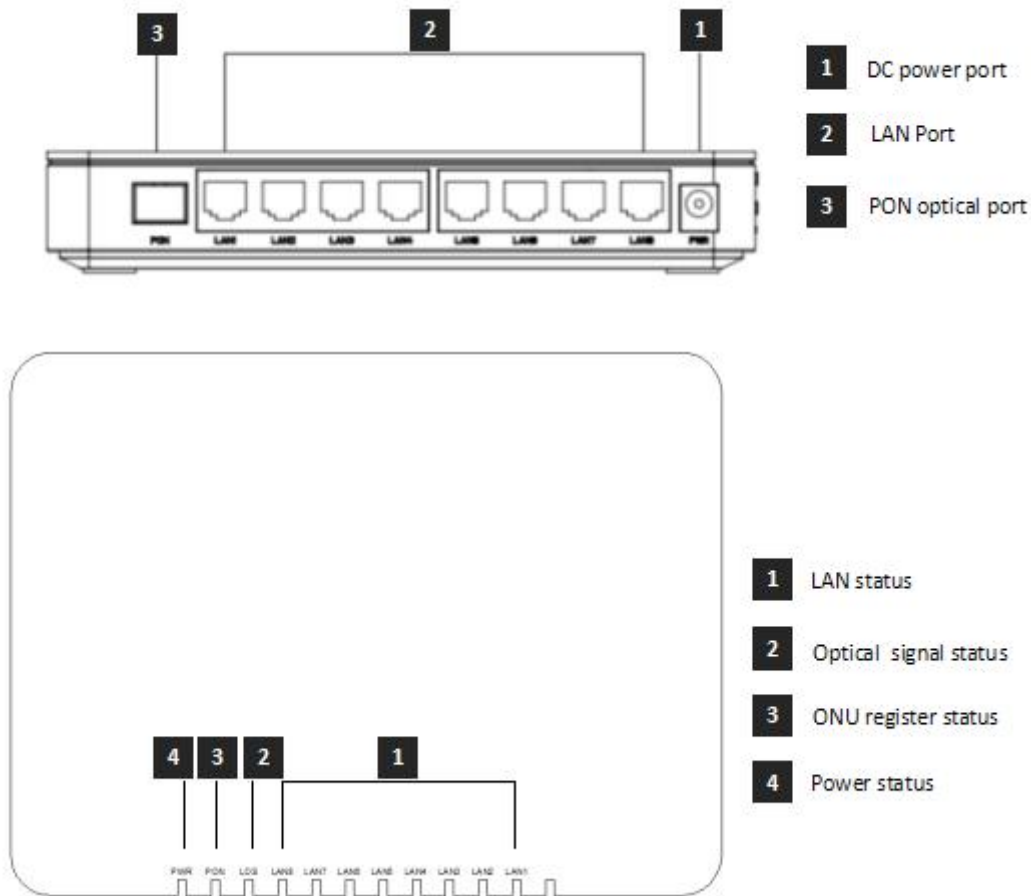
The FD600-108F features high-performance forwarding capabilities to ensure excellent experience with Internet and HD video services. Therefore, the FD111HZ provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment. It has good third-party compatibility to work with the third party OLT, such as Huawei/ZTE/Fiberhome/Alcatel-Lucen.

Features

- Full compatible with IEEE802.3ah
- Support port-based rate limitation and bandwidth control;
- In compliant with IEEE802.3ah Standard
- Up to 20KM transmission Distance
- Support Dynamic Bandwidth Allocation (DBA)
- Support ONU auto-discovery/Link detection/remote upgrade of software;

- Support power-off alarm function ,easy for link problem detection
- Support broadcasting storm resistance function
- Support three layer routing functions
- Support ACL and SNMP to configure data packet filter flexibly
- Specialized design for system breakdown prevention to maintain stable system
- Support software online upgrading
- EMS network management based on SNMP ,convenient for maintenance

设备接口与连接示意图



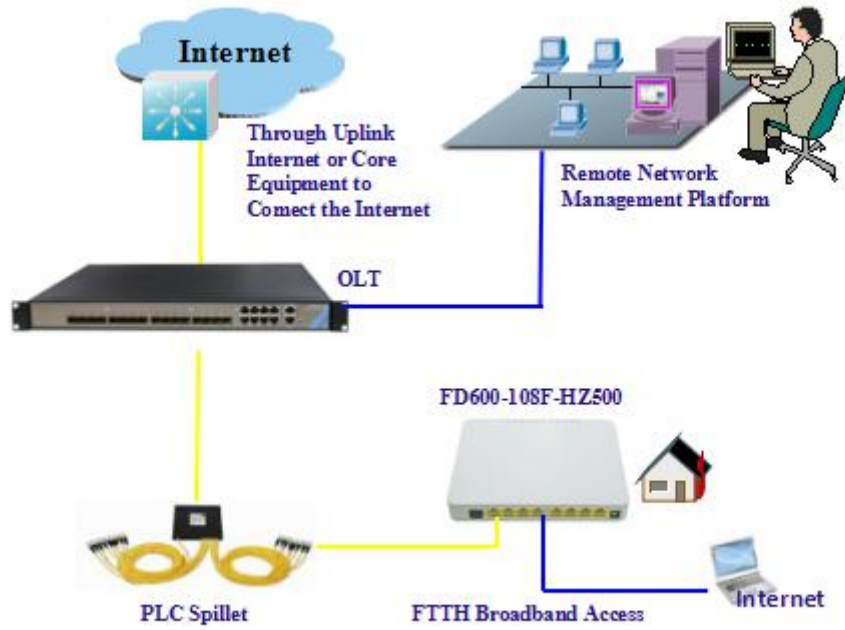
Indicator		Description	
1	LAN	LAN port status	On: Ethernet connection is normal; Blinking: Data is being transmitted through the Ethernet port; Off: Ethernet connection is not set up;
2	LOS	EPON optical signals	On: Optical power lower than receiver sensitivity ; Off: Optical in normal
3	PON	ONU Register	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	PON Port	1 EPON optical interface Meet 1000BASE-PX20+ standard Symmetric 1.25Gbps upstream/downstream SC single-mode fiber split ratio: 1:64 Transmission distance 20KM
	Ethernet Port(LAN)	4*FE Auto-negotiation RJ45 ports Full Duplex / Half-Duplex RJ45, Auto-MDI/MDI-X Transmission Distance 100 Meter
	Power Supply Port	12V DC input
Management	Network Management	Support IEEE802.3 QAM, ONU can be remotely managed by OLT Support Remote management through SNMP and Telnet Local management
	Management Function	Status monitor, Configuration management, Alarm management, Log management. (No management on each Ethernet port)
Environmental Specifications	Shell	Plastic casing
	Power	External 12V 0.5A AC/DC power supply adapter Power consumption: <5W
	Dimensions	170mm(L) x130mm(W) x30mm (H) 0.1kg
	Environment	Operating Temperature: 0~50℃ Storage Temperature: -40~85℃ Operating Humidity: 10%~90%(Non-condensing) Storage Humidity: 5%~95%(Non-condensing)

Application

- ◇ Solution: FTTO/FTTB
- ◇ Business: Broadband Internet、IPTV、VOD、IP Camera



图示 FD600-108F-HZ500 ONU 应用示意图

Ordering Information

Product Name	Product Model	Descriptions
SFU Type EPON ONU	FD600-108F-HZ500	8*FE Ethernet interface, 1 EPON interface, plastic casing, external power supply adapter, No POE PD function.
SFU Type EPON ONU	FD600-108FP-HZ500	8*FE Ethernet interface, 1 EPON interface, plastic casing, With 802.3af POE PD function.
SFU Type EPON ONU	FD600-108FDP-HZ500	8*FE Ethernet interface, 1 EPON interface, plastic casing, external power supply adapter, With 802.3af POE PD function.