

## **EPON CATV ONT Serials**

EPON ONT/HGU is designed for FTTH and networking service providers. FHR1103GZB is developed by FH-net based on the Gigabit EPON technology, has a high cost performance. It is high stability and easy to maintain, has multi-service QoS quality guarantee. And It is fully compliant with IEEE802.3ah and technical requirement of EPON Equipment from China Telecom, China Unicom.

**EPON CATV ONT Serials**

**Product Appearance**



**Features**

Items	Descriptions
Main service	1GE+CATV
High light	Support Dual Fiber or Single Fiber optional
	Plug and play, integrate auto detection, auto configuration and auto firmware upgrading
	Integrate OMCI and TR-069 remote configuration and maintenance
	Support flexible QinQ VLAN,DHCP server/relay and IGMP/ MLD multicast monitoring function
	Support diagnostic monitoring and remote disabling of fiber optical
High light	Support NAT and firewall function
	WAN support networking bridge, router and bridge/router mixed mode
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Compatibility	Compatible with Huawei, ZTE and Fiberhome OLT et.

## Specifications

Technical Items	Descriptions
Fiber port	1 EPON interface, SC single-mode/single-fiber, Downstream rate 1.25Gbps, Upstream rate 1.25Gbps
Wavelength	Tx 1310nm, Rx 1490nm, RF1550nm
Fiber interface	SC/APC (Single fiber) SC/UPC& SC/APC(Dual fiber )
RX sensitivity	<-28dBm (1490nm)
LAN	1*10/100/1000Mbps adaptive Ethernet ports, full/half duplex, RJ45 interface
Throughput	Can reach 900Mbps or more
DC power	12V 0.5A, external AC-DC power adapter
Power	≤5W
Operation	Working temperature: -5~+55℃ working humidity:10~90% (non-condensation)
Storage	Storage temperature: -30℃~+60℃ storage humidity: 10~90% (non-condensation)
Dimension	110mm(L)x70mm(W)x30mm(H)
Net weight	≤0.2Kg

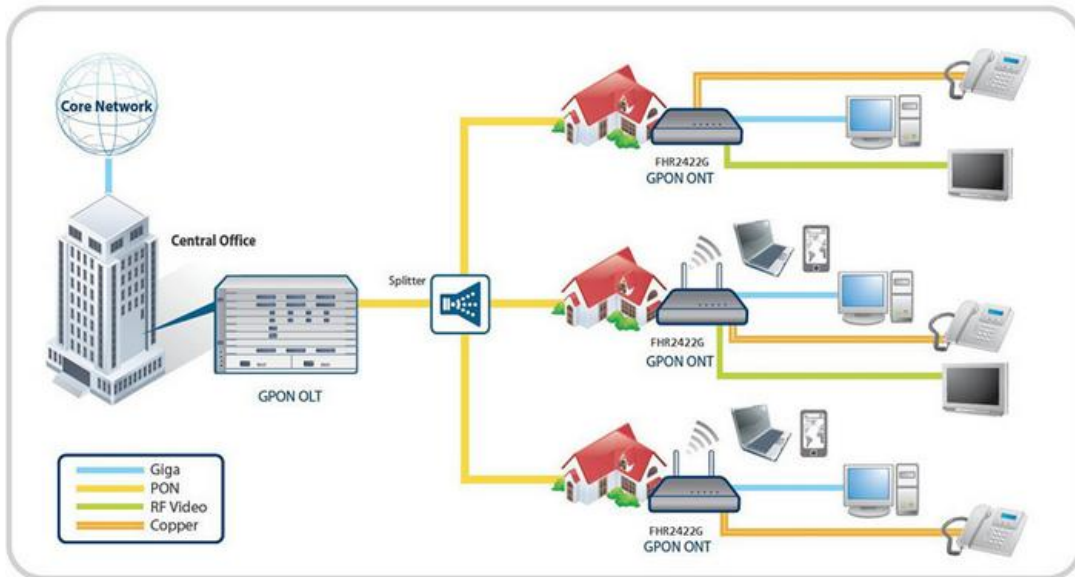
### Date Service Function

- ✚ Full speed 1G non-blocking switching
- ✚ 2048 MAC address table
- ✚ 1LAN
- ✚ Support VLAN QinQ, transparent, tag, translation, trunk, etc.
- ✚ Integrated port monitoring, port mirroring, port rate limiting, port SLA, etc
- ✚ Support auto polarity detection of Ethernet ports (AUTO MDIX)
- ✚ Integrated IEEE802.1p QoS with four level priority queues
- ✚ Support IPv4/ IPv6 IGMP snooping and MLD snooping
- ✚ Support bridge, route and bridge/route mixed mode

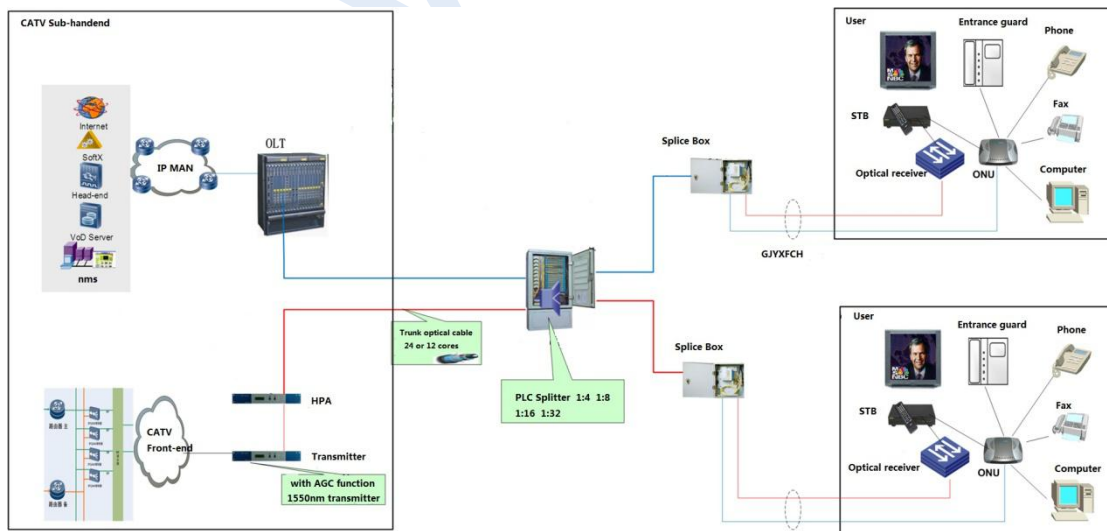
### CATV Parameters

Technical Items	Descriptions	
Optical Receive	dBm	-15 ~ +2
AGC range	dBm	-8~+2
Fiber return loss	dB	>50
wave length	nm	1100 ~ 1600
Connector	SC/APC	
C/N	dB	≥ 50
C/CTB	dB	≥ 62
C/CSO	dB	≥ 61
BW	MHz	40~ 1000
Output level	dBμV	≥ 82

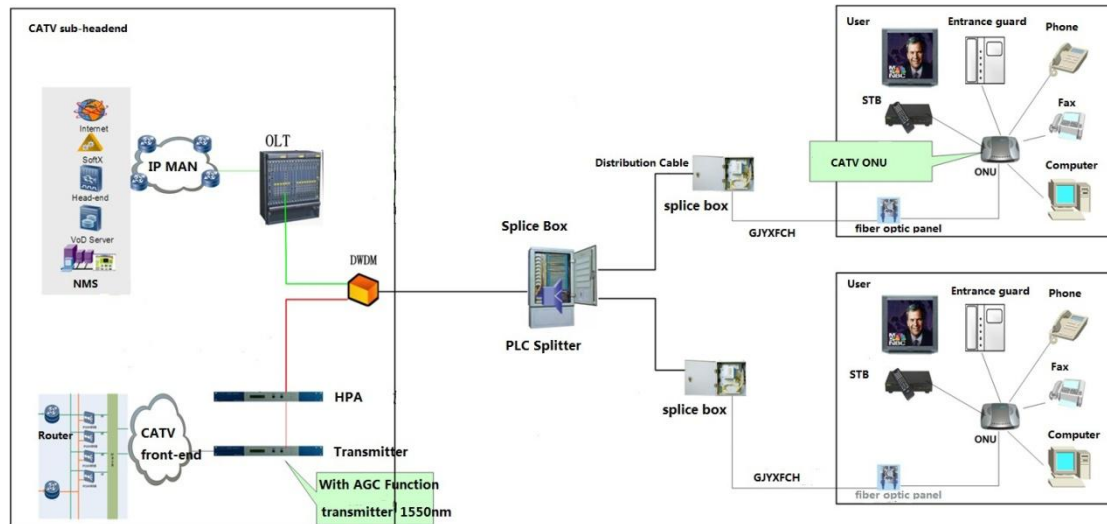
## Application Scenarios



## Dual Fiber solution



## Single Fiber solution



## Order Information

Model	Description
FHR1103GZB	1*GEAPON(1490/1310nm,20Km,SC), 1*10/100/1000Base-T+ 1*CATV(Dual fiber) AC Power Supply (Europe or US standard optional)
FHR1105GZB	1*GEAPON(1490/1310nm,20Km,SC), 1*10/100/1000Base-T+1*CATV (Single fiber) AC Power Supply (Europe or US standard optional)