EPON OLT
FHL104C

PHYHOME FHL104C EPON OLT device is mainly designed for small-scale network and special network construction; It supports at most 4 PON ports, 4 uplink combo ports. It is compliant with IEEE802.3-2005, China Telecom EPON technical requirements V3.0. It is deployed for FTTB or FTTH access network infrastructure to be used with ONU and ODN.FHL104C is for 1U cassette, easy for installation and Low power consumption, help customer minimize investment for the decentralized network.

FHL104C EPON OLT

Product Appearance

Features

Items		Descriptions
System Structure	Downlink	4 PON interfaces
	Uplink	4*GE SFP interfaces
		4*GE RJ45 interfaces
	Manage	1*10/100Base RJ45 interface
System Capacity		Each PON port supports maximum 64 terminals
		Supports different network configuration of ONUs
		Supports whole device supports up to 256 ONU terminals.
Upstream Interface		Flexible design supports multiple types network interfaces, optical or electrical interfaces optional based on network conditions.
Device Dimension		1U device takes small space, low power consumption, which reduce the total cost.
Power Supply		High reliable, Industrial single power supply

Specifications

Technical Items	Descriptions
Data Interface	Provide 4* GPON Interfaces, 4* GE Combo Ethernet ,4* GE electrical Interfaces; Support MDI/MDIX Auto-adaptive function
Management Interface	1 Console port, 1 AUX port
Indicators	RUN: system is running, ALM: system alarms, PWR: power indicator
	PON1 - PON4 two indicator lights for each port show: PON port LINK status, and port protection
	GE4 two indicator lights for each port show: Gibabit uplink port link status and running status
Power Supply	220V /1A AC or DC 48V optional
Weight	< 4kg
Temperature	Storing Temperature 0-55℃
Dimension	175mm (Depth) * 442mm (Width) * 44mm (Height)
EPON Standards	Compatible with IEEE802.3ah YD/T1475-2006 and CTC2.1standard
DBA	Support fixed bandwidth, guaranteed bandwidth, peak bandwidth and weight configuration, the minimum bandwidth allocation.
Security	Support PON Network AES and Triple stir encryption, support ONU MAC address binding and filtering.
Multicast	Support IGMP Snooping and IGMP Proxy, support CTC
QoS	Support 802.1p priority queue scheduling, supporting terminal to terminal QOS configuration
ACL	Support destination IP, source IP, destination MAC, source MAC, destination protocol port number, source protocol port number, SVLAN, DSCP, TOS, Ethernet type, IP protocol type, etc
	Supports packet filtering based on above rules
	Support Cos setting, IP priority setting, mirroring, rate limiting and port redirection.
Flow Control	Support IEEE 802.3x Duplex flow control, support port rate limiting.
Alarm	Support Alarm
Performance Statistics	Support PON port and ONU UNI port 15 minutes performance statistics
Network Management	Support local and remote CLI configuration, NMS&GUI Management

Date Service Function

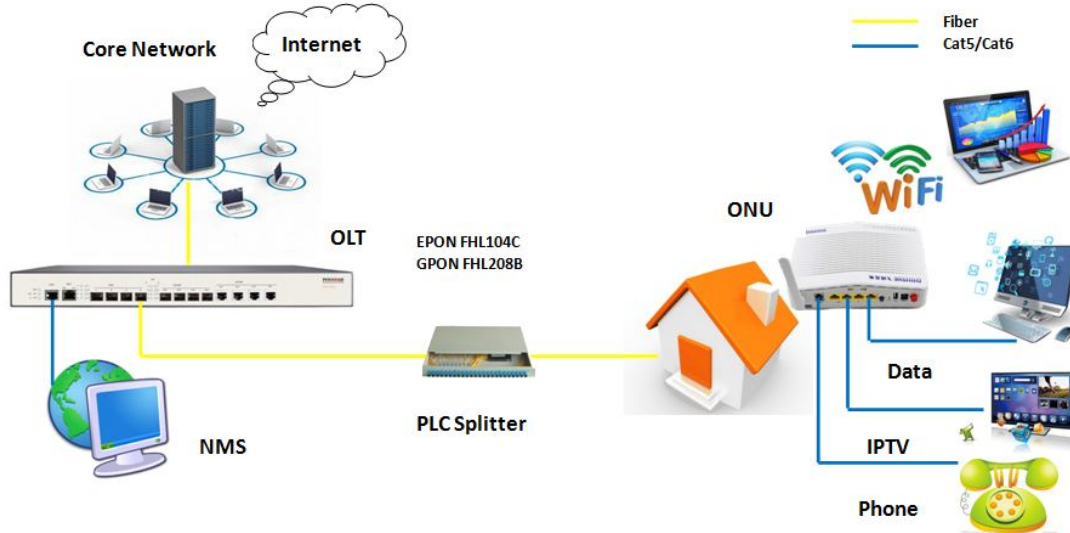- Support dynamic bandwidth allocation (DBA), granularity 64Kbps.
- Support ONT MAC automatically binding and filtering.
- Support offline service configuration and service automatic deployment.
- Support PON port isolation and AEC encryption.
- Support 4096 VLAN added, transparent transmission and conversion, support VLAN stacking (QinQ).
- Support 16K MAC wire-speed learning and address aging.
- Support IGMP v1/v2 Snooping and Proxy.
- Support priority queue scheduling; support SP, WRR and SP+WRR algorithm.
- Support port rate limiting, and packet filtering.
- Support logs, alarms, and performance statistics.
- Support SNMP v1/v2c Network management.

Operation

- Support OLT configuration save and restore.
- Support OLT online upgrade.
- Support ONT MAC automatic binding and filtering.
- Support offline service configuration and service automatic deployment.
- Support ONU remote upgrade and bulk upgrade.

Application Scenarios

Relevant product

PON Transceivers		
FHM-L1204-S33201	SFP EPON Optic Module PX20+(EPON,1310/1490nm,20km,SC)	
Uplink 1.25G SFP Transceiver		
FHM-D1203-L3320	SFP 1.25G Fiber Optic Module (Dual fiber, 1310nm,20km,LC)	
FHM-S1203-L3320	SFP 1.25G Fiber Optic Module (Single fiber, 1310nm,20km,LC)	
FHM-S1205-L3320	SFP 1.25G Fiber Optic Module (Single fiber, 1550nm,20km,LC)	
Uplink 10G SFP+ Transceiver		
FHM-D9613-L3810	SFP+ 10G LR Fiber Optic Module (Dual fiber,1310nm,10KM,LC)	

Shenzhen FH-Net Optoelectronics Co.,Ltd

Order Information

Model	Description
FHL104C-AC	4 PON interface (SC), 8 GE, standard 1U size , AC220V
FHL104C-DC	4 PON interface (SC), 8 GE, standard 1U size , DC-48V

Package Information

Accessories	
Power Supply	1Pcs
USB to 232 Serial Line	1Pcs
Network Cable (Cat5e)	1.2M 1Pcs
Package Details	
Package ways	Independent package
Package Size	550mm*325mm*100mm
Package G.W.	4.7KG
Package picture	

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