

PHYHOME



Making the world better.

Dual-Band GPON ONT Pro

FHR2417GK (4GE+POTS+AC1200+CATV)

Link
more



Dual-Band GPON ONT Pro FHR2417GK

Overview

FHR2417GK GPON ONT Pro supports the up-link and down-link symmetric 1Gbps transmission rate, providing users with good QoS guarantee and flexible bandwidth allocation. Ethernet business and IP integrated services. Integrated CATV optical receiver function, together with ONU to form a single-fiber FTTH solution. The fiber access provides high-speed data channels and meets FTTH requirements. one voice interfaces, four channel of 10/100/1000M self-adaption Ethernet interface are provided, which can be used by multiple users simultaneously. FHR2417GK GPON ONT Pro supports 802.11ac dual-frequency bands Wi-Fi (2.4 GHz and 5.8 GHz) interface. It supports flexible applications and plug and play, as well as provides high-quality voice, data and high-definition video services to users. It's fully meet the ITU-TG984.x and IEEE802.3ah technical standards and has good compatibility with third party manufacturers OLT.

Main Features

- * Dual mode (Can access EPON/GPON OLTs).
- * Meets FTTH requirements to provide high-speed Internet access and voice service.
- * Supports 802.11ac, Compatible with 802.11 b/g/n/a products.
- * Support downstream 2.5Gbps and upstream to 1.25Gbps with transmission distance to 20Km.(GPON mode)
- * Supports one channel of SIP/H248-Protocol-based voice services.
- * Dual band – for combined wireless speeds of up to 1200Mbps at 2.4GHz and 5GHz band concurrently.
- * Supports OMCI (ONT Management Control Interface) and OAM remote management.
- * CATV function manageable, support CATV remote shutdown.
- * Support IPv4/ IPv6 IGMP snooping and MLD snooping.

Specification

General	
Protocol Standards	ITU-T G.984.x,IEEE802.3ah
Distance	20Km Max
Data Rates	1 GPON/EPON auto-adaptive interface, SC single-mode/single-fiber Work as GPON:Upstream rate 1.25Gbps Downstream rate 2.5Gbps Work as EPON:Upstream rate 1.25Gbps Downstream rate 1.25Gbps
Wireless Standards	IEEE802.11b/g/n/a/ac
Signal Rate	5GHz:Up to 867Mbps 2.4GHz:Up to 300Mbps
Operation Frequency	2.4GHz & 5GHz
Transmit Power	5G 21.5dBm@6M 11a 19dBm@54M 11a 17dBm@MCS8 VHT20 11ac 17dBm@MCS9 VHT40 11ac 17dBm@MCS9 VHT80 11ac 2.4G 16dbm@MCS7 HT40 16dbm@MCS7 HT20 17dbm@OFDM 54M 19dbm@CCK 11M
Receive Sensitivity	5GHz 11a 6Mbps : -94.5dBm 11a 54Mbps: -77dBm 11ac VHT20: -65.5dBm

11ac VHT40: -70.5dBm
 11ac VHT80: -62.5dBm
 2.4GHz
 11g 54M: -67dBm
 11n HT20: -64dBm
 11n HT40: -62dBm

PON TX Power	1~5dBm (1310nm)
PON RX sensitivity	<-28dBm (1490nm)
Wireless Security	WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK encryption
Power	≤ 10W

CATV

Optical Receive	-15~+2 dBm
AGC range	-12~-2 dBm
Fiber return loss	>14 dB
wave length	1100~1600 nm
Connector	RF
C/N	≥ 45 dB
C/CTB	≥ 62 dB
C/CSO	≥ 61 dB
BW	40~ 1000 MHz
Output level	≤ 82 dB μ V

Hardware

Interfaces	1xSC/UPC or 1xSC/APC (optional) 4x 10/100/1000Mbps LAN Ports 1x FXS Port 1x RF Port
Buttons	WiFi Button, WPS/Reset Button
Power Supply	DC 12V 1.5A
Antenna	4*5dBi external antennas
Dimensions (W X D X H)	273*174*32.5mm(length*width*height)

Environment

Operating Temperature	-10° C~50° C
Storage Temperature	-40° C~70° C
Operating Humidity	10%~90%, non-condensing

Storage Humidity	5%~95% non-condensing
Certifications	CE, RoHS

Software

WAN Type	Dynamic IP/Static IP/PPPoE
DHCP	Server, Client, DHCP Client List, Address Reservation
Quality of Service	WMM, Bandwidth Control
Port Forwarding	Virtual Server, Port Triggering, UPnP, DMZ
VLAN	802.1Q tag VLAN, VLAN transparent mode/VLAN translation mode/VLAN trunk mode
Access Control	Parental Control, Local Management Control, Host List, Access Schedule, Rule Management
Firewall Security	DoS, SPI Firewall IP Address Filter/MAC Address Filter/Domain Filter IP and MAC Address Binding
Management	Access Control Local Management Remote Management
Internet Protocol	IPv4, IPv6

Package Contents

Package Contents	1 x GPON ONT Pro 1 x Quick Installation Guide 1 x Power Adapter
------------------	---

SHENZHEN FH-NET OPTOELECTRONICS CO., LTD.
 Tel: +86-755- 86051202 Fax: +86-755- 86051253 E-mail : sales@phyhome.com
 Web : www.phyhome.com
 Address : Building D1, TCL International E City, No.1001,Zhongshanyuan Rd, Nanshan District, Shenzhen City, China 518052