



FHR2421B

GPON ONT/HGU

Introduction

GPON ONT/HGU is designed for FTTH and networking service providers. FHR2421B is developed by PGLINK optoelectronics based on the Gigabit GPON technology, has a high cost performance, it supports the 802.11n wireless networking technology(T/R), support 2 layer, 3 layer or more layer VoIP. It is high stability and easy to maintain, has multi-service QoS quality guarantee. And It is fully compliant with technical regulations such as ITU-T G. 984.x and technical requirement of GPON Equipment (V2.1 and above version) from China Telecom, China Unicom.

Characteristics

- ★ Main service: 1GE+3FE+2VOIP+1WIFI
- ★ 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
- ★ Compatible with Huawei,ZTE and Fiberhome OLT
- ★ Support 802.11n WiFi (T/R) function
- ★ Support NAT and firewall function
- ★ Support IPv4 and IPv6 dual stack
- ★ POTS integrated circuit test complies GR-909
- ★ WAN support networking bridge, router and bridge/router mixed mode

Specification

Technical items	Descriptions
Fiber port	1 GPON interface, SC single-mode/single-fiber, Downstream rate 2.5Gbps, Upstream rate 1.25Gbps
Wavelength	Tx 1310nm, Rx 1490nm
Fiber interface	SC/PC
RX sensitivity	<-28dBm (1490nm)
WLAN	IEEE802.11b/g/n, 300Mbps, a built-in antenna
LAN	1*10/100/1000Mbps+3*10/100Mbps adaptive Ethernet ports, full/half duplex, RJ45 interface
Throughput	Throughput can reach 900Mbps or more
POTS	2*FXS, RJ11 connector
DC power	12V 1.5A, external AC-DC power adapter
Button	Reset, power, WIFI
Power	≤10W
Operation	Working temperature: -5~+55°C working humidity:10~90%(non-condensation)
Storage	Storage temperature: -30°C ~+60°C storage humidity: 10~90%(non-condensation)
Dimension	185*145*50mm(length*width*height)
Net weight	≤0.4Kg



Data Service Functions

- ★ Full speed 1G non-blocking switching
- ★ 2048 MAC address table
- ★ 16 LAN
- ★ 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 IGMP snooping and IPv6 MLD snooping
- ★ Support bridging, router and bridging/router mixed mode

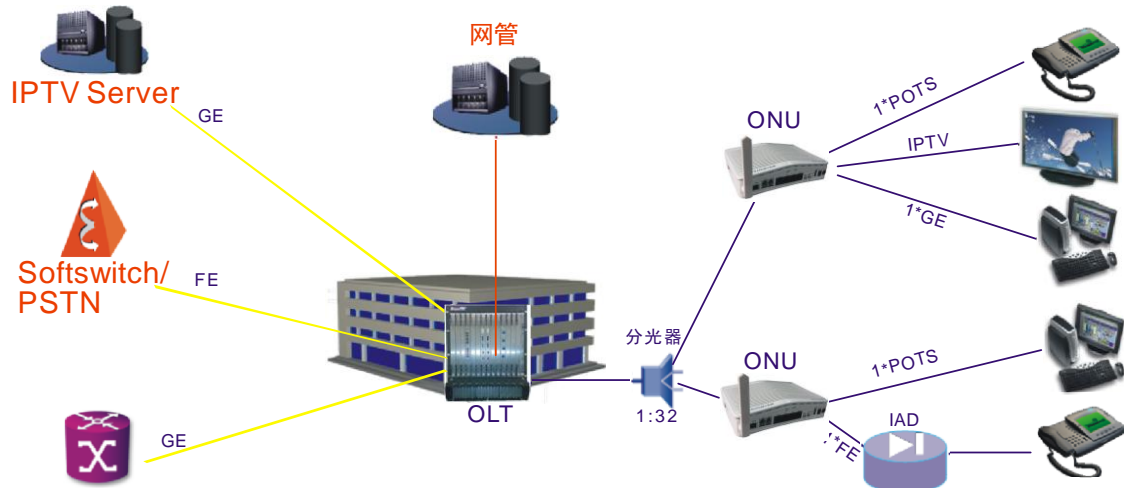
POTS service function

- ★ support SIP voice protocol
- ★ support H.248 voice protocol
- ★ SIP protocol: ISP provide the port number of the main SIP proxy server and terminal VOIP
- ★ Value range is 1-65535, system default value is 5060
- ★ H.248 protocol: ISP provide port number of the spare MGC server and VOIP terminal
- ★ Value range is 1~65535, system default value is 2944
- ★ Port ringing current voltage: 50 ± 10 VAC, 30 ± 10 H
- ★ Port type POTS(VOIP)
- ★ Support G.711 A-Law/u-Law,G729A/B,G.723.1-5.3/6.3,G.726.etc.voice coding/compressed technology
- ★ Support auto switch in main interface and standby interface by the software

Wi-Fi service

- ★ Support Integrated 802.11b/g/n, 300Mbps
- ★ Support 64 connections
- ★ Support WEP and WPA/WPA2 security protocols.

Application chart



Ordering Information

Model	Description
FHR2420B	1GE+3FE, 2POTS
FHR2421B	1GE+3FE, 2POTS, WIFI