



XPON HGU, 1GE+CATV

Features:

- ◆ Compliance with IEEE 802.3ah(EPON) & ITU-T G.984.x(GPON) standard
- ◆ Support IPV4 & IPV6 Management and transmission
- ◆ Support Layer 3 gateway with hardware NAT
- ◆ Support Multiple WAN with Route/Bridge mode
- ◆ Support Layer 2 802.1Q VLAN, 802.1P QoS, ACL etc
- ◆ Support IGMP V2 and MLD proxy/ snooping
- ◆ Support DDNS, ALG, DMZ, Firewall and UPNP service
- ◆ Support CATV interface for video service
- ◆ Support bi-directional FEC

FWG-HGU810GC

XPON HGU, 1GE+CATV, Product introduction

FWG-HGU810GC is a residential gateway device with routing functions for XPON ONU and LAN Switch for residential and SOHO users, which is in line with ITU-T G.984 and IEEE802.3ah.

The uplink of FWG-HGU810GC provides one PON interface, while downlink provides one Ethernet and RF interface. It can realize optical access solutions such as FTTH (Fiber To The Home) and FTTB (Fiber To The Building). It fully integrates the reliability, maintainability and security design of carrier-grade equipment, and provides customers with the last kilometer of broadband access to residential and corporate customers.

Highlights:-

- ◆ Support docking compatibility with OLT of various manufacturers
- ◆ Support automatically adapt to the EPON or GPON mode used by the peer OLT
- ◆ Support multiple wan configuration
- ◆ Support WAN PPPoE/DHCP/Static IP/Bridge mode.
- ◆ Support CATV video service
- ◆ Support fast transmission of hardware NAT

Hardware Specifications:

- ◆ interface: 1* G/EPON+1*RF
- ◆ Power adapter input: 100V-240V AC, 50Hz-60Hz
- ◆ Power Supply: DC 12V/0.5A
- ◆ Indicator light: PWR/PON/LOS/LAN/ /RF
- ◆ Button: Power switch Button, Reset Button
- ◆ Power Consumption: <6W
- ◆ Working temperature: -20°C ~ +55°C
- ◆ Environment humidity: 5% ~ 95%
(non-condensing)
- ◆ Dimension: 88mm x 88mm x 28mm
(L×W×H Without antenna)
- ◆ Net Weight: 0.11Kg

CATV Interface:

- ◆ Interface type: 1*RF
- ◆ Optical receiving wavelength: 1550nm
- ◆ RF output level : 80 ± 1.5 dBuV
- ◆ Input optical power: +2~-18dBm
- ◆ AGC range: 0~-12dBm
- ◆ Optical reflection loss: >14
- ◆ MER: >31@-15dBm

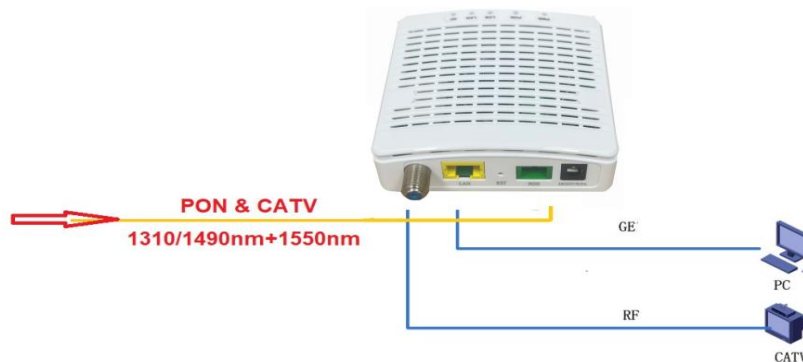
PON Interface:

- ◆ Interface Type: SC/APC, CLASS B+
- ◆ Transmission distance: 0~20km
- ◆ Working wavelength: Up 1310nm;
Down 1490nm; CATV 1550nm
- ◆ RX Optical power sensitivity: -27dBm
- ◆ Transmission rate:
GPON: Up 1.244Gbps; Down 2.488Gbps
EPON: Up 1.244Gbps; Down 1.244Gbps

Ethernet Interface :

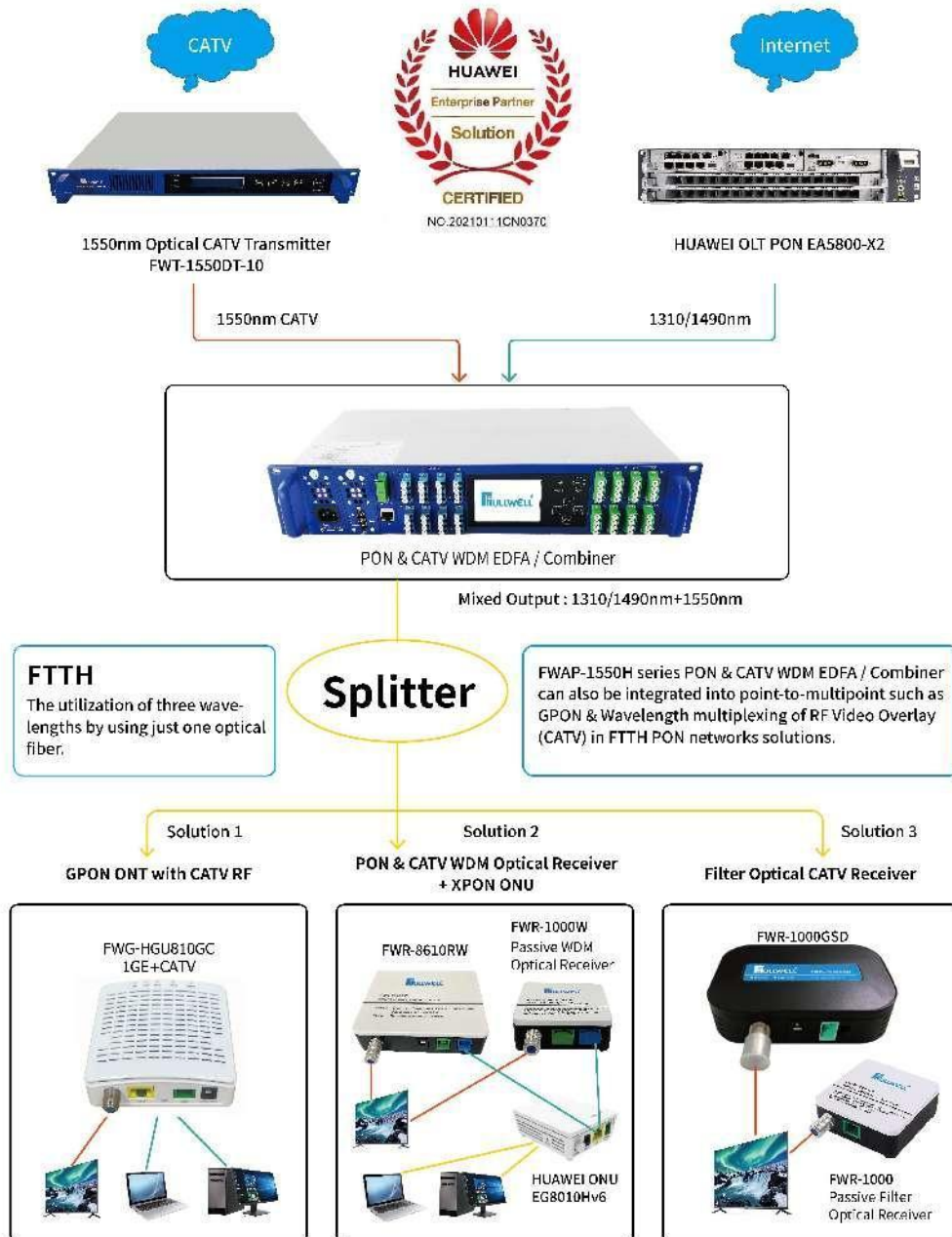
- ◆ Interface type: 1* RJ45
- ◆ Interface parameters:
10/100/1000BASE-T

Interface and Button:



Application Scenario:

PON & CATV WDM EDFA / Combiner for RF Video Overlay and PON Networks Solutions



Company Introduction:

Hangzhou Fullwell Optoelectronic Equipment Co., Ltd. was established in 2005 and is suited in Qimeng Science & Innovation Park, Liangzhu Street, Yuhang District, Hangzhou City. The company is committed to the R&D, manufacturing and sales of triple play integrated optoelectronic equipment. We have a number of software copyrights have been certified by the National Copyright Administration. At the same time, the National Intellectual Property Office has issued a number of utility model patents, and won the title of Zhejiang Province Small and Medium-sized Technology Company. Fullwell has been recognized as the Yuhang District Science and Technology Enterprise R&D Center by Hangzhou Yuhang District Science and Technology Bureau.

Hangzhou Fullwell continues to increase the investment of the R&D, enhance the innovation ability of the company's own brand products, the technical content of high-tech products, and the market competitiveness of R&D core products. Our products are mainly exported to Europe, South America and other countries and regions, and serving for global partners and other internationally renowned telecommunications and television operating network companies (ISP). In order to keep up with the home and aboard markets, as well as the needs of optical communication equipment from new and existing customers, our company has designed, developed and manufactured the following "FULLWELL" brand series products in recent years, and also provided OEM and customized services to professional operators and distributors.

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