EchoLife

HG8110 GPON Terminal

The EchoLife HG8110 is an indoor optical network terminal (ONT) in Huawei FTTH solution. By using the GPON technology, ultra–broadband access is provided for home and SOHO users. The HG8110 provides one POTS port, and one GE/FE auto–adapting Ethernet port. The HG8110 features high–performance forwarding capabilities to ensure excellent experience with VoIP, Internet and HD video services. Therefore, the HG8110 provides a perfect terminal solution and future–oriented service supporting capabilities for FTTH deployment.
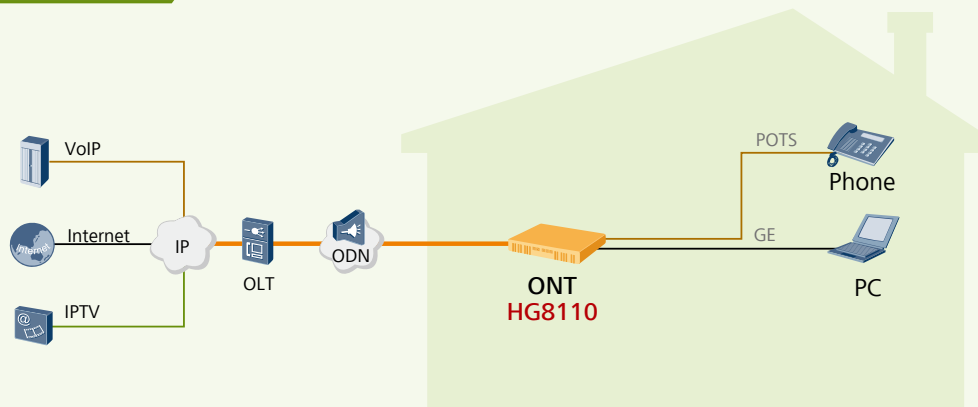
Product Highlights

- **Plug-and-play** (PnP): Internet, IPTV and VoIP services can be deployed by one click on the NMS and on–site configuration is not required.
- **Remote diagnosis**: Remote fault locating is implemented by the loop–line test of POTS ports, and call emulation initiated by the NMS.
- **Link monitoring**: E2E link detection is achieved using 802.1ag Ethernet OAM.
- **High speed forwarding**: GE line rate forwarding
- **Green energy–saving**: 25% power consumption is saved with highly integrated system on chipset (SOC) solution, in which, a single chip integrates with PON, voice, gateway and LSW modules.

Digital Home, Creative Life

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Network Diagram

Key Features

GPON features

- Class B+ optical module
- Security authentication mode: SN, password or SN+password
- Upstream/downstream FEC
- GEM port mapping mode: VLAN, 802.1p, VLAN+ 802.1p, IPToS, physical port

Voice features

- SIP and H.248 protocols
- Media stream and signaling stream separation

Multicast features

- IGMP V2&V3 snooping

Ethernet features

- VLAN filtering and VLAN transparent transmission
- VLAN N:1 aggregation and VLAN 1:1 translation

Maintenance features

- Local management using Web and remote management using OMCI
- Optical power monitoring
- 802.1ag Ethernet OAM
- Loop–line test of POTS ports, call emulation

Reliability features

- Dual systems for software Protection
- Type B protection and rogue ONT detection
- Lithium battery backup and backup battery monitoring

Green engery-saving features

- Dynamic power consumption adjustment
- With a backup battery, the guaranteed services can be selected flexibly

Product Specifications

Dimensions(W x D x H)	143 mm v 115 mm x 30 mm
Port	1POTS+1GE
Average power consumption	7 W
Operating environment	Temperature: 0℃ ~ +40℃ Humidity: 5%–95%, non–condensing
Power supply	Adapter input: 100–240 V AC, 50–60Hz Adapter output: 11 – 14 V DC, 1 A
Weight	About 400g (including the power adapter)