

# EchoLife



## HG8247 Home Gateway

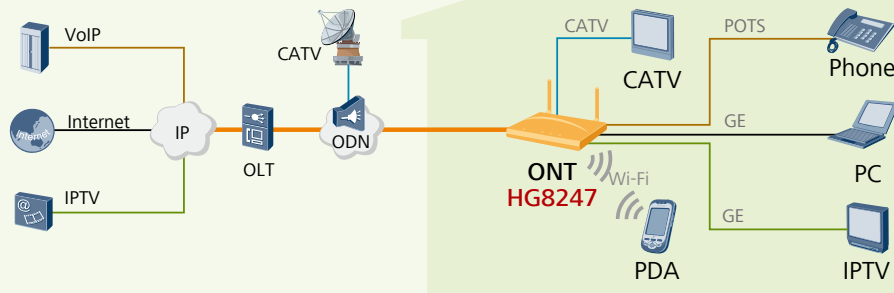
The EchoLife HG8247, an optical network terminal (ONT), is a high-end home gateway in Huawei FTTH solution. By using the GPON technology, ultra-broadband access is provided for home and SOHO users. The HG8247 provides two POTS ports, four GE/FE auto-adapting Ethernet ports, one CATV port and one Wi-Fi port. The HG8247 features high-performance forwarding capabilities to ensure excellent experience with VoIP, Internet and HD video services. Therefore, the HG8247 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, call emulation and PPPoE dialup emulation initiated by the NMS.
- **Link monitoring:** E2E link detection is achieved using 802.1ag Ethernet OAM.
- **High speed forwarding:** GE line rate forwarding in the bridge scenario and 900 Mbit/s forwarding in the NAT scenario.
- **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*

## Network Diagram



## Key Features

### GPON features

- Class B+ optical module
- Secure authentication mode: SN, password or SN+password
- Upstream/downstream FEC

### Voice features

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

### Multicast features

- IGMP V2&V3 snooping/IGMP proxy

### Wi-Fi features

- 802.11b/g/n, certified by the Wi-Fi Alliance

### CATV feature

- Remotely CATV port enabling/disabling and remotely query of the CATV port status

### Routing features

- NAT function
- Internet, IPTV and VoIP services are automatically bound to ONT ports
- Virtual server, port trigger, DMZ, and DDNS

### Maintenance features

- Local management using Web and remote management using TR069 and OMCI
- Optical power monitoring
- 802.1ag Ethernet OAM

- Loop-line test of POTS ports, call emulation and PPPoE dialup emulation

### Reliability features

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

### Green energy-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)	268 mm x 213 mm x 34 mm
Port	2POTS+4GE+1USB+1CATV+1Wi-Fi
Average power consumption	11 W
Operating environment	Temperature: 0°C ~ +40°C Humidity: 5%–95%, non-condensing
Power supply	Adapter input: 100–240 V AC, 50–60Hz Adapter output: 11–14 V DC, 2 A
Weight	About 800g (including the power adapter)

Copyright © Huawei Technologies Co., Ltd. 2011. All rights reserved.

THIS DOCUMENT IS FOR INFORMATION PURPOSE ONLY, AND DOES NOT CONSTITUTE ANY KIND OF WARRANTIES.

HUAWEI TECHNOLOGIES CO., LTD.

Huawei Industrial Base  
Bantian Longgang  
Shenzhen 518129, P.R. China  
Tel: +86-755-28780808

Version No.: M3-013030802-20110119-C-2.0

www.huawei.com