EchoLife

HG8245 Home Gateway

The EchoLife HG8245, 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 HG8245 provides two POTS ports, four GE/FE auto-adapting Ethernet ports and one Wi-Fi port. The HG8245 features high-performance forwarding capabilities to ensure excellent experience with VoIP, Internet and HD video services. Therefore, the HG8245 provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment.
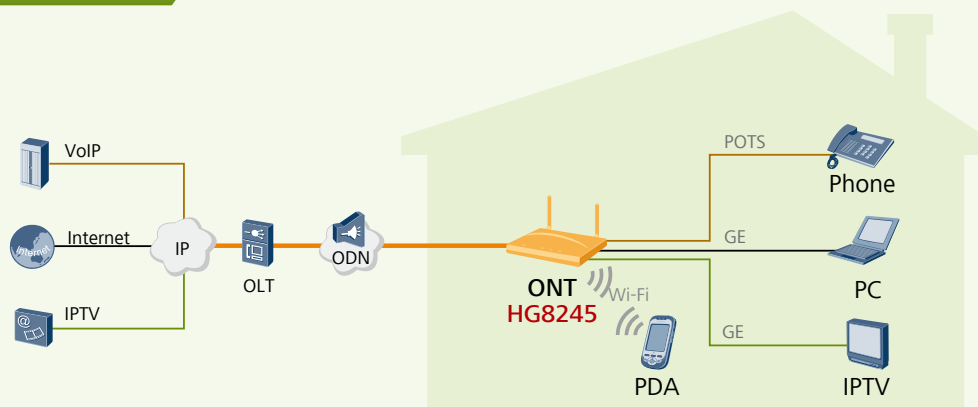
Product Highlights

- **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 bridging 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

HUAWEI TECHNOLOGIES CO., LTD.

Network Diagram

Key Features

GPON features

- Class B+ optical module
- Security 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

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 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)	195 mm x 174 mm x 34 mm
Port	2POTS+4GE+1USB+1Wi-Fi
Average power consumption	8 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, 2 A
Weight	About 550g (including the power adapter)