EchoLife

HG8242 GPON Terminal

The EchoLife HG8242 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 HG8242 provides two POTS ports, four GE/FE auto-adapting Ethernet ports and one CATV port. The HG8242 features high-performance forwarding capabilities to ensure excellent experience with VoIP, Internet and HD video services. Therefore, the HG8242 provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment.
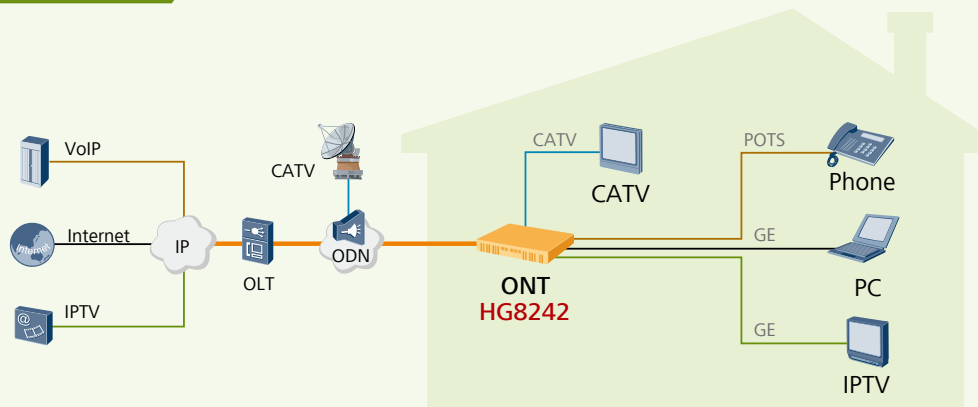
Product Highlights

- **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.

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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, physical port+ VLAN, physical port+802.1p, physical port +VLAN+ 802.1p

Voice features

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

Multicast features

- IGMP V2&V3 snooping

CATV feature

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

Ethernet features

- VLAN filtering and VLAN transparent transmission

Maintenance features

- Local management using Web and remote management using OMCI
- Optical power monitoring
- 802.1ag Ethernet OAM
- Loop-line test of POTS ports, and 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)	268 mm x 213 mm x 34 mm
Port	2POTS+4GE+1CATV
Average power consumption	10 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 800g (including the power adapter)