HUAWEI

EchoLife

HG8247T Home Gateway

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 Tfeatures 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.

Highlights

- Plug-and-play: 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: 900 Mbit/s forwarding in the NAT scenario.
- IPv6 Capability: support IPv6/IPv4 dual stack and DS-Lite.

Product Specifications

Dimensions(W x D x H)	268mm×213mm×34mm
Network Interface	GPON(SC/APC)
User Interface	4GE+2POTS+1RF+WiFi+1USB
Average power consumption	13W
Power supply	Adapter input: 100–240 V AC, 50–60Hz Adapter output: 11–14 V DC, 2 A
Operating environment	Temperature: 0℃～+40℃ Humidity: 5%–95%, non-condensing
Weight	About 800g (including the power adapter)

Key Features

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

Voice features
- SIP or 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
- 8 WAN interfaces
- NAT function
- Internet, IPTV and VoIP services are automatically bound to ONT ports
- Virtual Server, Port Trigger
- DMZ and DDNS

Security features
- SMAC/IP/URL filter
- Anti-DOS Attack

IPv6 features(for HSI and IPTV)
- IPv6/IPv4 dual stack
- DS-Lite
- MLD snooping

Maintenance features
- Web local management
- Remote management through OMCI/TR069
- Optical power monitoring
- Loop-line test of POTS ports
- Call emulation
- PPPoE dialup emulation
- DHCP emulation

Reliability features
- Dual systems for software protection
- 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

CATV features
- Remotely enable/disable CATV port
- Remotely query of the CATV port status

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