

## Overview

GPON ONT, 1FE + 1POTS, support QoS, Security, Power Saving, Multicast and Smart O&M.

## Quick Specification

Table 1 shows the Quick Specification.

Model	EchoLife HG8247U
Dimensions (W x D x H)	265 mm x 178 mm x 79.5 mm
Weight	About 500 g
Operating Temperature	0°C to 40°C
Operating Humidity	5% to 95% RH (non-condensing)
Power Adapter Input	90-264V AC, 50/60 Hz
System Power Supply	11-14 V DC, 2 A
Static Power Consumption	9.8 W
Maximum Power Consumption	22 W
NNI	GPON
UNI	4GE+2POTS+2.4G/5G Wi-Fi+1USB+1CATV
Indicators	POWER/PON/LOS/TEL/LAN/WLAN/WPS/USB/CATV

Figure 1 shows the appearance of EchoLife HG8247U.





## Product Details

### Interface Parameters

GPON Port	<ul style="list-style-type: none"> <li>• Class B+</li> <li>• Receiver sensitivity: -27 dBm</li> <li>• Wavelengths: US 1310 nm, DS 1490 nm</li> <li>• WBF</li> <li>• Flexible mapping between GEM Port and TCONT</li> <li>• GPON: consistent with the SN or password authentication defined in G.984.3</li> <li>• Bi-directional FEC</li> <li>• SR-DBA and NSR-DBA</li> </ul>
Ethernet Port	<ul style="list-style-type: none"> <li>• Ethernet port-based VLAN tags and tag removal</li> <li>• 1:1 VLAN, N:1 VLAN, or VLAN transparent transmission</li> <li>• QinQ VLAN</li> <li>• Limit on the number of learned MAC addresses</li> <li>• MAC address learning</li> </ul>
POTS Port	<ul style="list-style-type: none"> <li>• Maximum REN: 4</li> <li>• G.711A/μ, G.729a/b and G.722 encoding/decoding</li> <li>• T.30/T.38/G.711 fax mode</li> <li>• DTMF</li> <li>• Emergency calls (with the SIP protocol)</li> </ul>
USB Port	<ul style="list-style-type: none"> <li>• USB2.0</li> <li>• FTP-based network storage</li> <li>• File/Print sharing based on SAMBA</li> <li>• DLNA DMS/UPnP AV (media server)</li> </ul>
CATV Port	<ul style="list-style-type: none"> <li>• Bandwidth 45 MHz to 1000 MHz</li> <li>• Output resistance 75 ohms</li> </ul>
WLAN	<ul style="list-style-type: none"> <li>• IEEE 802.11 b/g/n (2.4G)</li> <li>• IEEE 802.11 a/n/ac (5G)</li> <li>• 2 × 2 MIMO (2.4G); 3 × 3 MIMO (5G)</li> <li>• Antenna gain: 2 dBi</li> <li>• WMM/Multiple SSIDs/WPS</li> <li>• 2.4G/5G concurrent</li> <li>• Air interface rate: 300 Mbit/s (2.4G) 1300 Mbit/s (5G)</li> </ul>

### Product Function

Smart Interconnection	<ul style="list-style-type: none"> <li>• Smart Wi-Fi coverage</li> <li>• SIP/H.248 auto-negotiation</li> <li>• Any port any service</li> </ul>
-----------------------	--





	<ul style="list-style-type: none"> <li>● Parental control</li> <li>● L2/L3(IPv4) forwarding: 1G uplink, 2G downlink</li> </ul>
Smart Service	<ul style="list-style-type: none"> <li>● Smart Wi-Fi sharing:</li> <li>Portal/802.1x authentication</li> <li>SoftGRE-based sharing</li> <li>Association of one account with two POTS ports</li> </ul>
Smart O&M	<ul style="list-style-type: none"> <li>● IPTV video quality diagnosis</li> <li>● Variable-length OMCI messages</li> <li>● Active/Passive rogue ONT detection and isolation</li> <li>● Call emulation, and circuit test and loop-line test</li> <li>● PPPoE/DHCP simulation testing</li> <li>● WLAN emulation</li> </ul>
Layer 3 Features	<ul style="list-style-type: none"> <li>● PPPoE/Static IP/DHCP</li> <li>● NAT/NAPT</li> <li>● Port forwarding</li> <li>● ALG, UPnP</li> <li>● DDNS/DNS server/DNS client</li> <li>● IPv6/IPv4 dual stack, DS-Lite and IPv6 SPI</li> <li>● Static/Default routes</li> <li>● Multiple services on one WAN port</li> </ul>
Multicast	<ul style="list-style-type: none"> <li>● IGMP v2/v3 proxy/snooping</li> <li>● MLD v1/v2 snooping</li> <li>● Multicast services through Wi-Fi</li> </ul>
QoS	<ul style="list-style-type: none"> <li>● Ethernet port rate limitation</li> <li>● 802.1p priority</li> <li>● SP/WRR/SP+WRR</li> <li>● Broadcast packet rate limitation</li> </ul>
Security	<ul style="list-style-type: none"> <li>● SPI firewall</li> <li>● Filtering based on MAC/IP/URL addresses</li> </ul>
Common O&M	<ul style="list-style-type: none"> <li>● OMCI/Web UI/TR069</li> <li>● Dual-system software backup and rollback</li> </ul>
Power Saving	<ul style="list-style-type: none"> <li>● Dynamic power saving</li> <li>● Indicator power saving</li> <li>● Scheduled Wi-Fi shutdown</li> <li>● COCV6</li> </ul>

## Get More Information

Do you have any question about the EchoLife HG8247U?

Contact us now via [info@hi-network.com](mailto:info@hi-network.com).





## Specification

EchoLife HG8247U Specification	
Dimensions (W x D x H)	265 mm x 178 mm x 79.5 mm
Weight	About 500 g
Operating Temperature	0°C to 40°C
Operating Humidity	5% to 95% RH (non-condensing)
Power Adapter Input	90-264V AC, 50/60 Hz
System Power Supply	11-14 V DC, 2 A
Static Power Consumption	9.8 W
Maximum Power Consumption	22 W
NNI	GPON
UNI	4GE+2POTS+2.4G/5G Wi-Fi+1USB+1CATV
Indicators	POWER/PON/LOS/TEL/LAN/WLAN/WPS/USB/CATV
GPON Port	<ul style="list-style-type: none"> <li>• Class B+</li> <li>• Receiver sensitivity: -27 dBm</li> <li>• Wavelengths: US 1310 nm, DS 1490 nm</li> <li>• WBF</li> <li>• Flexible mapping between GEM Port and TCONT</li> <li>• GPON: consistent with the SN or password authentication defined in G.984.3</li> <li>• Bi-directional FEC</li> <li>• SR-DBA and NSR-DBA</li> </ul>
Ethernet Port	<ul style="list-style-type: none"> <li>• Ethernet port-based VLAN tags and tag removal</li> <li>• 1:1 VLAN, N:1 VLAN, or VLAN transparent transmission</li> <li>• QinQ VLAN</li> <li>• Limit on the number of learned MAC addresses</li> <li>• MAC address learning</li> </ul>
POTS Port	<ul style="list-style-type: none"> <li>• Maximum REN: 4</li> <li>• G.711A/μ, G.729a/b and G.722 encoding/decoding</li> <li>• T.30/T.38/G.711 fax mode</li> <li>• DTMF</li> <li>• Emergency calls (with the SIP protocol)</li> </ul>
USB Port	<ul style="list-style-type: none"> <li>• USB2.0</li> <li>• FTP-based network storage</li> <li>• File/Print sharing based on SAMBA</li> <li>• DLNA DMS/UPnP AV (media server)</li> </ul>
CATV Port	<ul style="list-style-type: none"> <li>• Bandwidth 45 MHz to 1000 MHz</li> <li>• Output resistance 75 ohms</li> </ul>
WLAN	<ul style="list-style-type: none"> <li>• IEEE 802.11 b/g/n (2.4G)</li> </ul>



Get a Quote



- IEEE 802.11 a/n/ac (5G)
- 2 × 2 MIMO (2.4G); 3 × 3 MIMO (5G)
- Antenna gain: 2 dBi
- WMM/Multiple SSIDs/WPS
- 2.4G/5G concurrent
- Air interface rate: 300 Mbit/s (2.4G) 1300 Mbit/s (5G)

## Want to Buy

Get a Quote



[Learn More](#) about Hi-Network



[Search](#) our Resource Library



[Follow](#) us on LinkedIn



Contact for [Sales or Support](#)

## Contact HI-NETWORK.COM For Global Fast Shipping

HongKong Office Tel: +00852-66181601

HangZhou Office Tel: +0086-571-86729517

Email: [info@hi-network.com](mailto:info@hi-network.com)

Skype: [echo.hinetwork](https://www.skype.com/people/echo.hinetwork)

WhatsApp Business: +8618057156223

