

Overview

The Huawei EchoLife EG8247H is a routing-type ONT in the Huawei all-optical access solution. It uses the GPON technology to implement ultra-broadband access for users.

It provides 4 GE+2 POTS+1 USB+1 RF+1 WiFi (4 GE ports, 2 POTS ports, 1 USB port, 1 RF port, and 1 2.4G WiFi port). The high forwarding performance ensures the user experience of voice, data, CATV and HD video services, and provides customers with an ideal all-optical access solution and future-oriented service support capability.

Quick Specification

Table 1 shows the Quick Specification.

Model	EchoLife EG8247H
Dimensions (H x W x D)	220 mm x 160 mm x 32 mm (without an external antenna)
Weight	About 420 g
Operating temperature	0°C to +40°C
Operating humidity	5% RH to 95% RH (non-condensing)
Power adapter input	100-240 V AC, 50-60 Hz
System power supply	11-14 V DC, 2 A
Static power consumption	7.5 W
Maximum power consumption	18 W
Ports	2POTS+4GE+CATV+Wi-Fi+USB
Indicators	POWER/PON/LOS/LAN/TEL/USB/WLAN/WPS/CATV

Figure 1 shows the appearance of EchoLife EG8247H.





Product Details

Interface Parameters

GPON Port	<ul style="list-style-type: none"> • Class B+ • Wavelengths: US 1310nm, DS 1490nm • WBF • Bi-directional FEC • SR-DBA and NSR-DBA
Ethernet Port	<ul style="list-style-type: none"> • Ethernet port-based VLAN tags and tag removal • 1:1 VLAN, N:1 VLAN, or VLAN transparent transmission • QinQ VLAN • Limit on the number of learned MAC addresses • MAC address learning
CATV Port	<ul style="list-style-type: none"> • Bandwidth 54 MHz to 870 MHz • Output resistance 75 ohms • Received average optical power: -8dBm to +2dBm • RF output power: $\geq 17\text{dBmV/Ch}$ <p>(With RF source analog channel power input = 20dBmV/ch, and 40 analog / 63 digital channels (4.3% OMI analog, 2.15 % digital))</p>
POTS Port	<ul style="list-style-type: none"> • Maximum REN: 4 • G.711A/μ, G.729a/b, and G.722 encoding/decoding • T.30/T.38/G.711 fax mode • DTMF • Emergency calls (with the SIP protocol)
USB Port	<ul style="list-style-type: none"> • USB2.0 • FTP-based network storage
WLAN	<ul style="list-style-type: none"> • IEEE 802.11 b/g/n • 2 x 2 MIMO • Antenna gain: 5 dBi • WMM • Multiple SSIDs • WPS

Product Functions

Smart Interconnection	<ul style="list-style-type: none"> • Smart Wi-Fi coverage • SIP/H.248 auto-negotiation • Any port any service • Parental control • L2/L3(IPv4) forwarding: 1G uplink, 2G downlink
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Smart Service	<ul style="list-style-type: none"> • Smart Wi-Fi sharing: <ul style="list-style-type: none"> Portal/802.1x authentication SoftGRE-based sharing • Association of one account with two POTS ports
Smart O&M	<ul style="list-style-type: none"> • Variable-length OMCI messages • Active/Passive rogue ONT detection and isolation • Call emulation, and circuit test and loop-line test • PPPoE/DHCP simulation testing • WLAN emulation
Layer 3 Features	<ul style="list-style-type: none"> • PPPoE/Static IP/DHCP • NAT/NAPT • Port forwarding • ALG, UPnP • DDNS/DNS server/DNS client • IPv6/IPv4 dual stack, and DS-Lite • Static/Default routes • Multiple services on one WAN port
Multicast	<ul style="list-style-type: none"> • IGMP v2/v3 proxy/snooping • MLD v1/v2 snooping
QoS	<ul style="list-style-type: none"> • Ethernet port rate limitation • 802.1p priority • SP/WRR/SP+WRR • Broadcast packet rate limitation
Security	<ul style="list-style-type: none"> • SPI firewall • Filtering based on MAC/IP/URL addresses
Common O&M	<ul style="list-style-type: none"> • OMCI/Web UI/TR069 • Dual-system software backup and rollback
Power Saving	<ul style="list-style-type: none"> • Indicator power saving • Scheduled Wi-Fi shutdown

Get More Information

Do you have any question about the EchoLife EG8247H?

Contact us now via info@hi-network.com.

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