

Overview

The Huawei EchoLife EG8247H5 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 CATV+1 WiFi(4 GE ports, 2 POTS ports, 1 USB port, 1 CATV port and 1 2.4G WiFi port). The high forwarding performance ensures the user experience of voice, CATV, data 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 EG8247H5
Dimensions (H x W x D)	30 mm x 199 mm x 135 mm (without external antenna and pads)
Weight	About 300 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, 1 A
Static power consumption	6 W
Maximum power consumption	12 W
NNI	GPON
UNI	2POTS+4GE+1CATV+2.4G Wi-Fi+1USB
Indicators	Power/PON/LOS/LAN/TEL/USB/WLAN/WPS/CATV

Figure 1 shows the appearance of EchoLife EG8247H5.





Product Details

Interface Parameters

GPON Port	<ul style="list-style-type: none"> • Class B+ • Receiver sensitivity: -27dBm ~ -29dBm • Overload optical power: -8 dBm • Wavelengths: US 1310nm, DS 1490nm • Wavelength blocking filter (WBF) of G.984.5 • Flexible mapping between GEM Port and TCONT • GPON: consistent with the SN or password authentication defined in G.984.3 • Bi-directional FEC • SR-DBA and NSR-DBA • Type B (single-homing & dual-homing)
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 • Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s
CATV Port	<ul style="list-style-type: none"> • Frequency Range 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
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 • Air interface rate: 300 Mbit/s





Product Functions

Smart Interconnection	<ul style="list-style-type: none"> • Smart Wi-Fi coverage • SIP/H.248 autonegotiation • Any port any service • Parental control
Multicast	<ul style="list-style-type: none"> • IGMP v2/v3 proxy/snooping • MLD v1/v2 snooping
Smart O&M	<ul style="list-style-type: none"> • IPTV video quality diagnosis • eMDI • Rogue ONT detection and isolation from the OLT • Call emulation, and circuit test and loop-line test • PPPoE/DHCP simulation testing • WLAN emulation
Smart Service	<ul style="list-style-type: none"> • Scheduled Wi-Fi shutdown • Smart Wi-Fi sharing: Portal/802.1x authentication SoftGRE-based sharing • Association of one account with two POTS ports
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
Power Saving	<ul style="list-style-type: none"> • Indicator power saving • COC V5
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 • Variable-length OMCI messages • Dual-system software backup and rollback
QoS	<ul style="list-style-type: none"> • Ethernet port rate limitation • 802.1p priority • SP/WRR/SP+WRR • Broadcast packet rate limitation

Get More Information

Do you have any question about the EchoLife EG8247H5?

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





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Optical Connector	SC/APC
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	<ul style="list-style-type: none">• 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
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• Air interface rate: 300 Mbit/s

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