

Overview

The Huawei EchoLife EG8247W is a bridging-type ONT used in the Huawei all-optical access solution. It implements ultra-broadband access through the GPON technology.

It provides 4 GE+2 POTS+1 USB+1 RF+2 WiFi (4 GE ports,2 POTS ports,1 USB port,1 RF port,1 2.4G WiFi port and 1 5G WiFi port). The high-performance forwarding capability ensures the service experience of voice, data, CATV and HD video services, and provides users with ideal terminal solutions and future-oriented service support capabilities.

Quick Specification

Table 1 shows the Quick Specification.

Model	EchoLife EG8247W
Dimensions (W x D x H)	184 mm x 295 mm x 82 mm
Weight	About 690 g
Operating Temperature	-40°C to +55°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, 3 A
Static Power Consumption	8 W
Maximum Power Consumption	32 W
NNI	GPON
UNI	2POTS+4GE+USB+CATV+2.4G Wi-Fi/5G Wi-Fi
Indicators	Power/PON/LOS/TEL/LAN/CATV/WLAN/WPS/USB

Figure 1 shows the appearance of EchoLife EG8247W.





Product Details

Port Parameters

GPON Port	<ul style="list-style-type: none"> • Class B+ • Receiver sensitivity: -27 dBm • Wavelengths: US 1310 nm, DS 1490 nm • Wavelength blocking filter (WBF) • 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
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
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)
CATV Port	<ul style="list-style-type: none"> • Bandwidth 54-870 MHz • Output resistance 75 ohms
USB Port	<ul style="list-style-type: none"> • USB 3.0 • FTP-based network storage • File/Print sharing based on SAMBA • DLNA DMS/UPnP AV (media server)
WLAN	<ul style="list-style-type: none"> • IEEE 802.11 b/g/n (2.4G) • IEEE 802.11 a/n/ac (5G) • 3 x 3 MIMO (2.4G) • 4 x 4 MIMO (5G) • MU-MIMO • Antenna gain: 2 dBi • WMM • Multiple SSIDs • WPS • DFS • Beamforming • Band Steering • Air Time Fairness • Air interface rate: 450 Mbps (2.4G); 1733 Mbps (5G)





Function List

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
Smart Service	<ul style="list-style-type: none"> • Smart Wi-Fi sharing: Portal/802.1x authentication; SoftGRE-based sharing • Association of one account with two POTS ports
Smart O&M	<ul style="list-style-type: none"> • IPTV video quality diagnosis • 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 • Multicast services through Wi-Fi
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 • COC V5

Get More Information

Do you have any question about the EchoLife EG8247W?

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





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- IEEE 802.11 a/n/ac (5G)
- 3 x 3 MIMO (2.4G)
- 4 x 4 MIMO (5G)
- MU-MIMO
- Antenna gain: 2 dBi
- WMM
- Multiple SSIDs
- WPS
- DFS
- Beamforming
- Band Steering
- Air Time Fairness
- Air interface rate: 450 Mbps (2.4G); 1733 Mbps (5G)

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