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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 $+40^{\circ}$ 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.





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Product Details

Interface Parameters

	• Class B+
	• Receiver sensitivity: -27dBm ~ -29dBm
	• Overload optical power: -8 dBm
	• Wavelengths: US 1310nm, DS 1490nm
	• Wavelength blocking filter (WBF) of G.984.5
GPON Port	• 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-based VLAN tags and tag removal
	• 1:1 VLAN, N:1 VLAN, or VLAN transparent transmission
Education Device	• QinQ VLAN
Ethernet Port	• Limit on the number of learned MAC addresses
	• MAC address learning
	• Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s
	• Frequency Range 54 MHz to 870 MHz
	• Output resistance 75 ohms
CATV Port	• Received average optical power: -8dBm to +2dBm
CATVION	● RF output power: ≥17dBmV/Ch
	(With RF source analog channel power input = 20 dBmV/ch, and 40 analog / 63 digital channels (4.3% OMI analog,
	2.15 % digital))
	• Maximum REN: 4
	• G.711A/µ, G.729a/b, and G.722 encoding/decoding
POTS Port	• T.30/T.38/G.711 fax mode
	• DTMF
	• Emergency calls (with the SIP protocol)
USB Port	• USB2.0
	• IEEE 802.11 b/g/n
	• 2 x 2 MIMO
	• Antenna gain: 5 dBi
WLAN	• WMM
	Multiple SSIDs
	• WPS
	• Air interface rate: 300 Mbit/s





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Product Functions

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Smart Interconnection	• Smart Wi-Fi coverage
	• SIP/H.248 autonegotiation
	• Any port any service
	• Parental control
Multicast	• IGMP v2/v3 proxy/snooping
Wuriteast	• MLD v1/v2 snooping
	• IPTV video quality diagnosis
	• eMDI
Smart O&M	• Rogue ONT detection and isolation from the OLT
Smart Octivi	• Call emulation, and circuit test and loop-line test
	• PPPoE/DHCP simulation testing
	WLAN emulation
	• Scheduled Wi-Fi shutdown
	• Smart Wi-Fi sharing:
Smart Service	Portal/802.1x authentication
	SoftGRE-based sharing
	Association of one account with two POTS ports
	PPPoE/Static IP/DHCP
	• NAT/NAPT
	• Port forwarding
Layer 3 Features	• ALG, UPnP
Layer 5 Features	• DDNS/DNS server/DNS client
	• IPv6/IPv4 dual stack, and DS-Lite
	• Static/Default routes
	Multiple services on one WAN port
Power Saving	• Indicator power saving
Tower Saving	• COC V5
Security	• SPI firewall
Security	• Filtering based on MAC/IP/URL addresses
	• OMCI/Web UI/TR069
Common O&M	• Variable-length OMCI messages
	• Dual-system software backup and rollback
	• Ethernet port rate limitation
005	• 802.1p priority
QoS	• 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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Specification

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Optical Connector	SC/APC	
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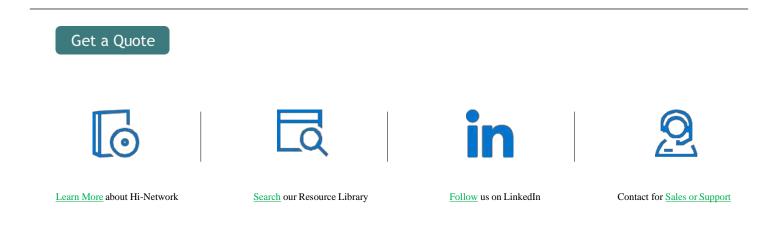


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	• Antenna gain: 5 dBi
WLAN	• WMM
	Multiple SSIDs
	• WPS
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