

Overview

The Huawei EchoLife EG8141A5 is a routing-type ONT in the Huawei all-optical access solution. It uses the GPON technology to implement ultra-broadband access for users, and provides 1 GE port, 3 FE ports, 1 POTS port and 1 2.4G WiFi port. The high forwarding performance ensures the user experience of 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 EG8141A5
Dimensions (W x D x H)	30 mm x 152 mm x 105 mm (without an external antenna and pads)
Weight	About 180 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	3.1 W
Maximum Power Consumption	7.15 W
NNI	GPON
UNI	1POTS + 1GE + 3 FE + 2.4G Wi-Fi
Dimensions (W x D x H)	30 mm x 152 mm x 105 mm (without an external antenna and pads)

Figure 1 shows the appearance of EchoLife EG8141A5.



Product Details

Port Parameters

GPON Port	<ul style="list-style-type: none"> • Class B+ • Receiver sensitivity: -27 dBm • Overload optical power: -8 dBm • Wavelengths: US 1310 nm, DS 1490 nm • 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
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 • GE: Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s • FE: Auto-adaptive 10 Mbit/s, 100 Mbit/s
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)
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 Mbps

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, 1.3G downlink
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 • Scheduled Wi-Fi shutdown
Smart O&M	<ul style="list-style-type: none"> • IPTV video quality diagnosis • Rogue ONT detection and isolation from the OLT • 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"> • Anti-DoS attack • 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
Power Saving	<ul style="list-style-type: none"> • Indicator power saving

Get More Information

Do you have any question about the EchoLife EG8141A5?

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

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NNI	GPON
UNI	1POTS + 1GE + 3 FE + 2.4G Wi-Fi
Optical Connector	SC/APC
Indicators	POWER/PON/LOS/LAN/TEL/WLAN/WPS
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