

Overview

The EchoLife EG8143A5 is a routing-type ONT in the Huawei all-optical access solution. It uses the GPON technology to implement ultra-broadband access for users. The high forwarding performance ensures the user experience of voice, data and HD video services, and provides customers with an ideal all-optical access solution and future-oriented service support capability.

- Smart service
- Smart interconnection
- Smart O&M

Quick Specification

Table 1 shows the Quick Specification.

Model	EchoLife EG8143A5
Dimensions (W x D x H)	34 mm × 175 mm × 115 mm (without external antenna and pads)
Weight	About 235 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	5.2 W
Maximum Power Consumption	8.2 W
NNI	GPON
UNI	1GE + 3FE + 1POTS + 2.4G Wi-Fi + 1CATV
Optical Connector	SC/APC
Indicators	Power/PON/LOS/LAN/TEL/WLAN/WPS/CATV

Figure 1 shows the appearance of EchoLife EG8143A5.



Product Details

Port Parameters

<p>GPON Port</p>	<ul style="list-style-type: none"> • Class B+ • Receiver sensitivity: -27dBm ~ -29dBm • Wavelengths: US 1310nm, DS 1490nm • 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 • Type B (single-homing & dual-homing)
<p>Ethernet Port</p>	<ul style="list-style-type: none"> • Ethernet port-based VLAN tags and tag removal • 1:1 VLAN, N:1 VLAN, or VLAN transmission • QinQ VLAN • Limit on the number of learned MAC addresses • MAC address learning
<p>POTS Port</p>	<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 (2.4G) • 2 x 2 MIMO • Antenna gain: 2 dBi • WMM • Multiple SSIDs • WPS • Air interface rate: 300 Mbit/s
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Function List

Smart Interconnection	<ul style="list-style-type: none"> • Smart Wi-Fi coverage • Any port any service • Parental control • L2/L3(IPv4) forwarding: 1G uplink, 2G downlink • SIP/H.248 auto-negotiation
Smart Service	<ul style="list-style-type: none"> • Smart Wi-Fi sharing: 802.1x authentication/Portal; SoftGRE-based sharing
Smart O&M	<ul style="list-style-type: none"> • eMDI • Variable-length OMCI messages • Active/Passive rogue ONT detection and isolation • PPPoE/DHCP simulation testing • Call emulation, and circuit test and loop-line test • 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
Security	<ul style="list-style-type: none"> • MAC/IP/URL address filtering • SPI firewall • Anti-DoS attack
Multicast	<ul style="list-style-type: none"> • IGMP v2/v3 snooping • IGMP v2/v3 proxy • MLD v1/v2 snooping
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
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 EG8143A5?

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