

Overview

Huawei EchoLife HG8110F ONT is an indoor optical network terminal (ONT) in Huawei FTTH solution. By using the GPON technology, ultra-broadband access is provided for home and SOHO users. The HG8110 provides one POTS port and one FE Ethernet port. The HG8110F features high-performance forwarding capabilities to ensure excellent experience with VoIP, Internet and HD video services.

Quick Specification

Table 1 shows the Quick Specification.

Model	EchoLife HG8110F
Dimensions (W x D x H)	134 mm x 115 mm x 27 mm (V3R015C00 and before); 115 mm x 94 mm x 27 mm (after V3R015C00)
Weight	< 500 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 W
Maximum Power Consumption	5 W mm (V3R015C00 and before); 4 W (after V3R015C00)
NNI	GPON
UNI	1 FE+1POTS (V3R015C00 and before) 1 GE+1POTS (after V3R015C00)
Indicators	POWER/PON/LOS/LAN/TEL

Figure 1 shows the appearance of EchoLife HG8110F.





Product Details

Interface Parameters

GPON Port	<ul style="list-style-type: none"> • Class B+ • Receiver sensitivity: -27dBm • 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 • Transparent transmission of IPv6 packets at Layer 2
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)

Product Function

Smart O&M	<ul style="list-style-type: none"> • Variable-length OMCI messages • Active/Passive rogue ONT detection and isolation • PPPoE/DHCP simulation testing • Call emulation, and circuit test and loop-line test
Multicast	<ul style="list-style-type: none"> • IGMP v2/v3 snooping • MLD v1/v2 snooping • Fast leave • VLAN tag translation, transparent transmission, and removal for downstream multicast packets • IGMP/MLD protocol packet rate limitation
QoS	<ul style="list-style-type: none"> • Ethernet port rate limitation • 802.1p priority • SP/WRR/SP+WRR • Broadcast packet rate limitation • Flow mapping based on the VLAN ID, port ID, or/and 802.1p
Security	<ul style="list-style-type: none"> • MAC address filtering





Common O&M	<ul style="list-style-type: none"> ● OMCI/Web UI ● Dual-system software backup and rollback ● 802.1ag Ethernet OAM ● Optical link measurement and diagnosis ● Loopback check
Power Saving	<ul style="list-style-type: none"> ● Indicator power saving ● Power consumption reduction of idle components in power-saving state

Get More Information

Do you have any question about the EchoLife HG8110F?

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

Specification

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GPON Port	<ul style="list-style-type: none"> ● Class B+ ● Receiver sensitivity: -27dBm ● 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



Get a Quote



	<ul style="list-style-type: none">• 1:1 VLAN, N:1 VLAN, or VLAN transparent transmission• QinQ VLAN• Limit on the number of learned MAC addresses• MAC address learning• Transparent transmission of IPv6 packets at Layer 2
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)

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