

Overview

Huawei EchoLife HG8120F is an indoor Optical Network Terminal (ONT) used in Huawei's FTTH solution. By using GPON technology, ultra-broadband access is provided for home and SOHO users. It provides 2FE+1POTS ports.

Huawei EchoLife HG8120F features high-performance service forwarding capabilities to ensure excellent experience with VoIP, Internet, and HD video services.

Therefore, Huawei EchoLife HG8120F provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment.

Quick Specification

Table 1 shows the Quick Specification.

Model	EchoLife HG8120F
Dimensions (H x W x D)	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, 0.5 A
Static power consumption	3.5 W
Maximum power consumption	5.5 W
Ports	2FE+1POTS
Indicators	POWER/PON/LOS/LAN

Figure 1 shows the appearance of EchoLife HG8120F.





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 Functions

Smart Interconnection	<ul style="list-style-type: none"> • SIP/H.248 auto-negotiation
Layer 3 Features	<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
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
Power Saving	<ul style="list-style-type: none"> • Indicator power saving • Power consumption reduction of idle components in power-saving state
Security	<ul style="list-style-type: none"> • MAC address filtering
Common O&M	<ul style="list-style-type: none"> • OMCI/Web UI





	<ul style="list-style-type: none"> • Dual-system software backup and rollback • 802.1ag Ethernet OAM • Optical link measurement and diagnosis • Loopback check
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

Get More Information

Do you have any question about the EchoLife HG8120F?

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

Specification

EchoLife HG8120F Specification	
Dimensions (H x W x D)	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, 0.5 A
Static power consumption	3.5 W
Maximum power consumption	5.5 W
Ports	2FE+1POTS
Indicators	POWER/PON/LOS/LAN
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)

Want to Buy

Get a Quote



[Learn More](#) about Hi-Network



[Search](#) our Resource Library



[Follow](#) us on LinkedIn



Contact for [Sales or Support](#)

Contact HI-NETWORK.COM For Global Fast Shipping

HongKong Office Tel: +00852-66181601

HangZhou Office Tel: +0086-571-86729517

Email: info@hi-network.com

Skype: [echo.hinetwork](https://www.skype.com/add?contact=echo.hinetwork)

WhatsApp Business: +8618057156223

