

Overview

The Huawei EchoLife HG8240F is an optical network terminal (ONT) designed for home users and small and large offices. The HG8240F terminal is a high-end FTTH home solution. The device provides two POTS ports, four FE Internet ports. It has high-performance forwarding functions to provide a great experience for VoIP, Internet and HD video services.

Quick Specification

Table 1 shows the Quick Specification.

Model	EchoLife HG8240F
Dimensions (H x W x D)	176 mm x 138 mm x 28 mm
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
Network-side Ports	GPON
User-side Ports	4FE + 1POTS
Static Power Consumption	5.5 W
Maximum Power Consumption	7.5 W
Indicators	POWER/PON/LOS/LAN/TEL

Figure 1 shows the appearance of EchoLife HG8240F.



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 Interconnection	<ul style="list-style-type: none"> • SIP/H.248 auto-negotiation
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
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 HG8240F?

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Specification

EchoLife HG8240F Specification	
Dimensions (H x W x D)	176 mm x 138 mm x 28 mm
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
NNI	GPON
UNI	4FE + 1POTS
Static Power Consumption	5.5 W
Maximum Power Consumption	7.5 W
Indicators	POWER/PON/LOS/LAN/TEL
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



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	<ul style="list-style-type: none">• 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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