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Overview

The Huawei EchoLife EG8040F is a routing-type ONT in the Huawei all-optical access solution. It uses the GPON technology to implement ultra-broadband access for users.

It provides 1 GE port and 3 FE ports. 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 EG8040F
Dimensions (W x D x H)	176mm x 138.5mm x 28mm
Weight	< 500g
Operating Temperature	0°C to 40°C
Operating Humidity	5% to 95% RH (non-condensing)
Power Adapter Input	100-240V AC, 50/60 Hz
System Power Supply	11-14 V DC, 0.5 A
Static Power Consumption	4 W
Maximum Power Consumption	5.5 W
NNI	GPON
UNI	4FE
Indicators	POWER/PON/LOS/LAN

Figure 1 shows the appearance of EchoLife EG8040F.

Product Details

Interface Parameters

GPON Port	● Class B+/PX20+ ● Receiver sensitivity: -27dBm ● Wavelengths: US 1310nm, DS 1490nm ● 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	● 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 ● Local switching/isolation based on Ethernet ports ● Transparent transmission of IPv6 packets at Layer 2

Product Function

QoS	● 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	● MAC/IP/URL address filtering
Power Saving	● Indicator power saving ● Power consumption reduction of idle components in power-saving state
Smart O&M	● Variable-length OMCI messages ● Rogue ONT detection and isolation from the OLT ● PPPoE/DHCP simulation testing
Common O&M	● OMCI/Web UI ● Dual-system software backup and rollback ● 802.1ag Ethernet OAM ● Optical link measurement and diagnosis ● Loopback check
Multicast	● 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 EG8040F?

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

Specification

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